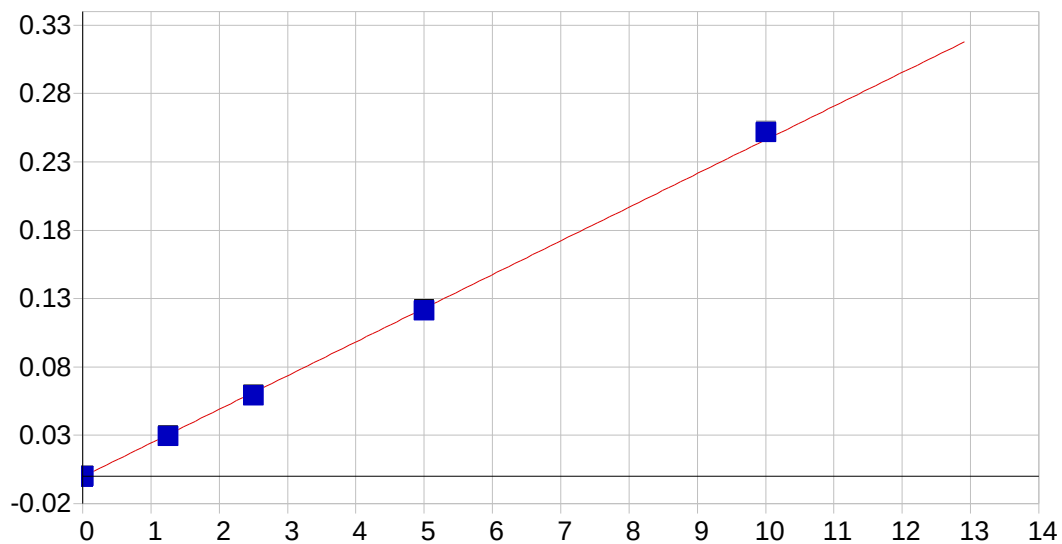




As 189.042 {479}

Date of Fit: 8/9/2018 13:36:06

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000254

Re-Slope: 1.000000

A1 (Gain): 0.024642

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999667

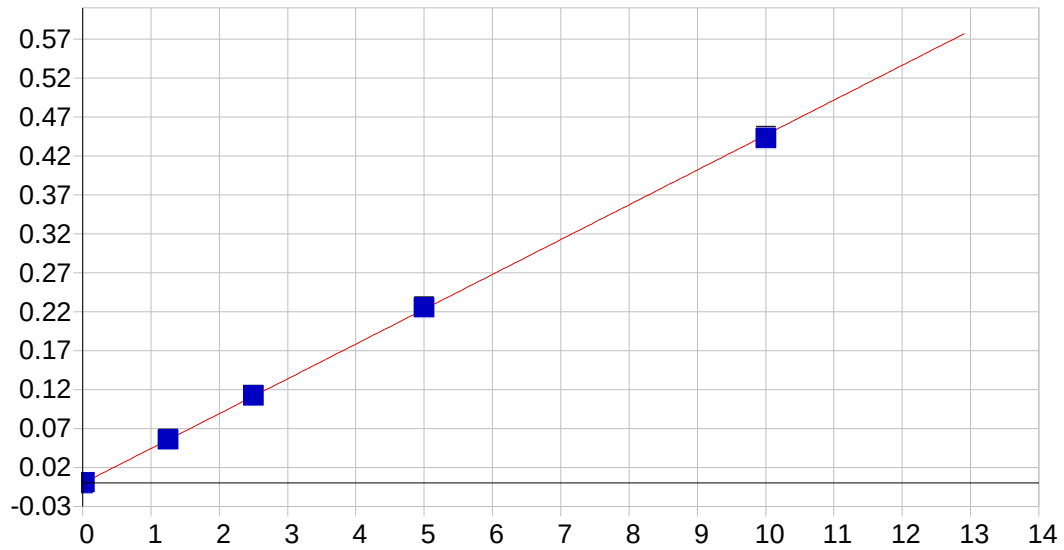
Status: OK.

Std Error of Est: 0.000011

Predicted MDL: 0.004499

Predicted MQL: 0.014998

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00025 | .000    | 1        |
| S1        | .01000       | .01237      | .002       | 23.7    | .00005  | .000    | 1        |
| S2        | 1.2500       | 1.1973      | -.053      | -4.21   | .02932  | .000    | 1        |
| S3        | 2.5000       | 2.4033      | -.097      | -3.87   | .05911  | .000    | 1        |
| S4        | 5.0000       | 4.9253      | -.075      | -1.49   | .12141  | .001    | 1        |
| S5        | 10.000       | 10.222      | .222       | 2.22    | .25221  | .000    | 1        |



TI 190.856 {477}

Date of Fit: 8/9/2018 13:36:06

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000366

Re-Slope: 1.000000

A1 (Gain): 0.044711

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999964

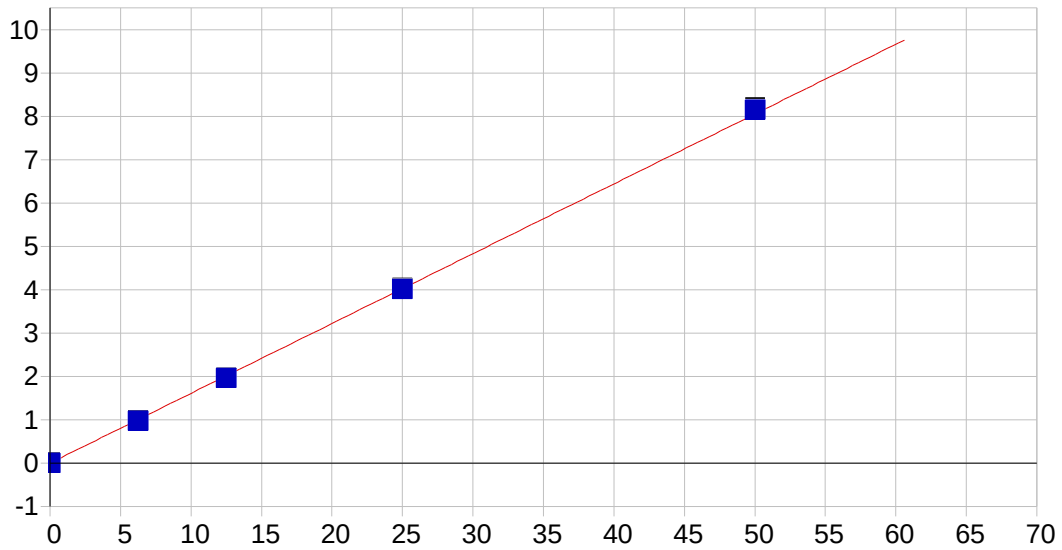
Status: OK.

Std Error of Est: 0.000010

Predicted MDL: 0.002793

Predicted MQL: 0.009309

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00037 | .000    | 1        |
| S1        | .02500       | .02337      | -.002      | -6.51   | .00066  | .000    | 1        |
| S2        | 1.2500       | 1.2609      | .011       | .871    | .05567  | .000    | 1        |
| S3        | 2.5000       | 2.5176      | .018       | .705    | .11152  | .000    | 1        |
| S4        | 5.0000       | 5.0473      | .047       | .946    | .22395  | .001    | 1        |
| S5        | 10.000       | 9.9258      | -.074      | -.742   | .44072  | .002    | 1        |

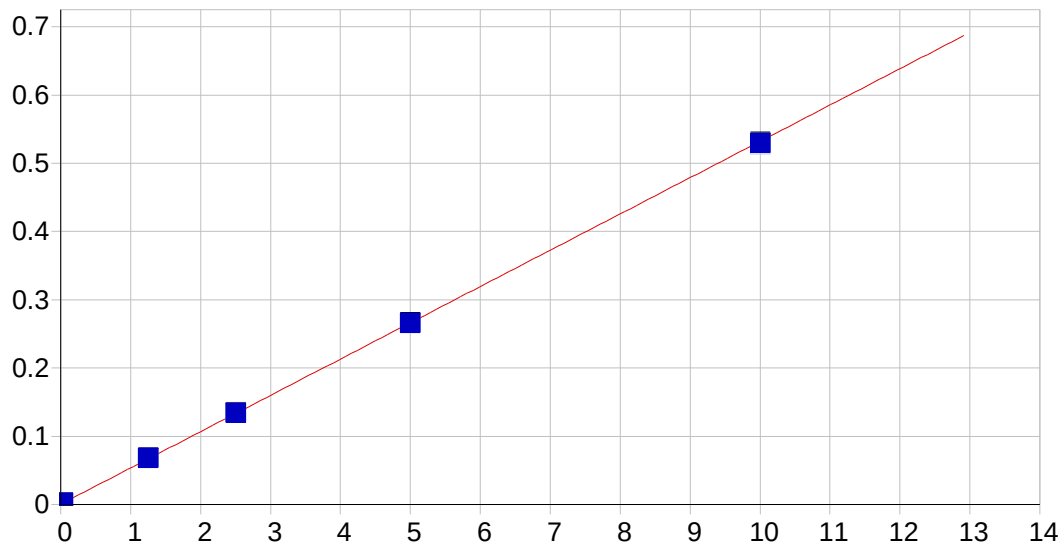


Pb 220.353 {453}

Date of Fit: 8/9/2018 13:36:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000313 Re-Slope: 1.000000  
 A1 (Gain): 0.161022 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999874 Status: OK.  
 Std Error of Est: 0.000096  
 Predicted MDL: 0.002029  
 Predicted MQL: 0.006763

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00031 | .000    | 1        |
| S1        | .01000       | .00992      | .000       | -.778   | .00129  | .000    | 1        |
| S2        | 6.2500       | 6.0672      | -.183      | -2.92   | .97804  | .004    | 1        |
| S3        | 12.500       | 12.142      | -.358      | -2.86   | 1.9576  | .007    | 1        |
| S4        | 25.000       | 24.914      | -.086      | -.342   | 4.0171  | .019    | 1        |
| S5        | 50.000       | 50.626      | .626       | 1.25    | 8.1628  | .031    | 1        |

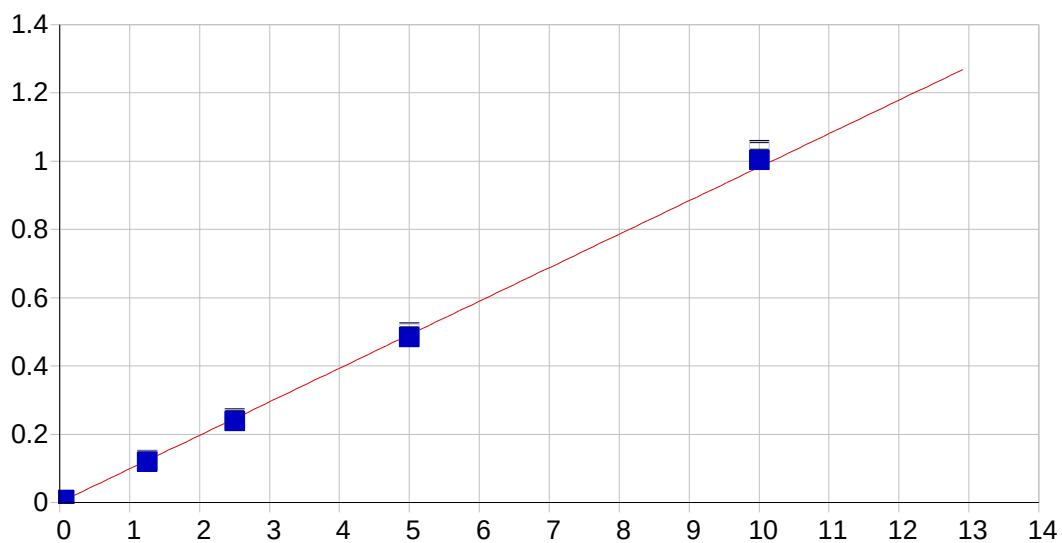


Se 196.090 {472}

Date of Fit: 8/9/2018 13:36:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000356 Re-Slope: 1.000000  
 A1 (Gain): 0.053176 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999966 Status: OK.  
 Std Error of Est: 0.000014  
 Predicted MDL: 0.003349  
 Predicted MQL: 0.011164

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00036 | .000    | 1        |
| S1        | .03500       | .03884      | .004       | 11.0    | .00242 | .000    | 1        |
| S2        | 1.2500       | 1.2712      | .021       | 1.70    | .06764 | .000    | 1        |
| S3        | 2.5000       | 2.5245      | .025       | .981    | .13398 | .001    | 1        |
| S4        | 5.0000       | 5.0013      | .001       | .026    | .26506 | .001    | 1        |
| S5        | 10.000       | 9.9491      | -.051      | -.509   | .52692 | .002    | 1        |

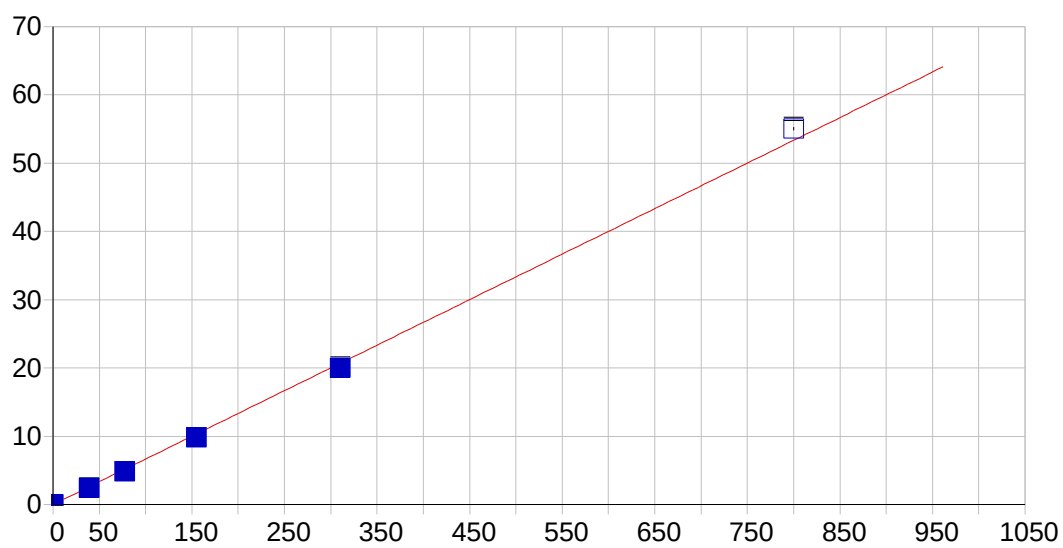


Sb 206.833 {463}

Date of Fit: 8/9/2018 13:36:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000469 Re-Slope: 1.000000  
 A1 (Gain): 0.098202 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999755 Status: OK.  
 Std Error of Est: 0.000092  
 Predicted MDL: 0.002062  
 Predicted MQL: 0.006872

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00047 | .000    | 1        |
| S1        | .06000       | .06386      | .004       | 6.44    | .00674 | .000    | 1        |
| S2        | 1.2500       | 1.2094      | -.041      | -3.24   | .12258 | .000    | 1        |
| S3        | 2.5000       | 2.4162      | -.084      | -3.35   | .24443 | .001    | 1        |
| S4        | 5.0000       | 4.9192      | -.081      | -1.62   | .49692 | .001    | 1        |
| S5        | 10.000       | 10.201      | .201       | 2.01    | 1.0290 | .003    | 1        |



AI 396.152 { 85}

Date of Fit: 8/9/2018 13:36:06

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.002037

Re-Slope: 1.000000

A1 (Gain): 0.066686

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999243

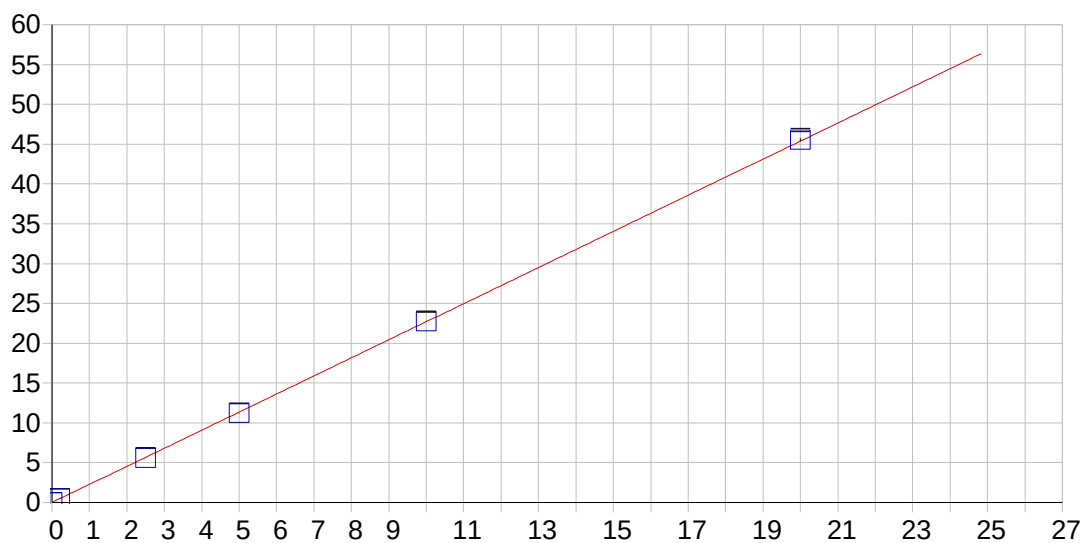
Status: OK.

Std Error of Est: 0.001615

Predicted MDL: 0.016795

Predicted MQL: 0.055982

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00002      | .000       | .000    | .00204 | .000    | 1        |
| S1        | .20000       | .21419      | .014       | 7.09    | .01634 | .001    | 1        |
| S2        | 38.750       | 35.979      | -2.77      | -7.15   | 2.4037 | .014    | 1        |
| S3        | 77.500       | 72.070      | -5.43      | -7.01   | 4.8129 | .002    | 1        |
| S4        | 155.00       | 147.04      | -7.96      | -5.13   | 9.8173 | .014    | 1        |
| S5        | 310.00       | 300.55      | -9.45      | -3.05   | 20.064 | .069    | 1        |
| S6        | 800.00       | 825.61      | 25.6       | 3.20    | 55.059 | .243    | 1        |



Ba 493.409 { 68}

Date of Fit: 8/9/2018 13:36:06

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.005436

Re-Slope: 1.000000

A1 (Gain): 2.269292

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999962

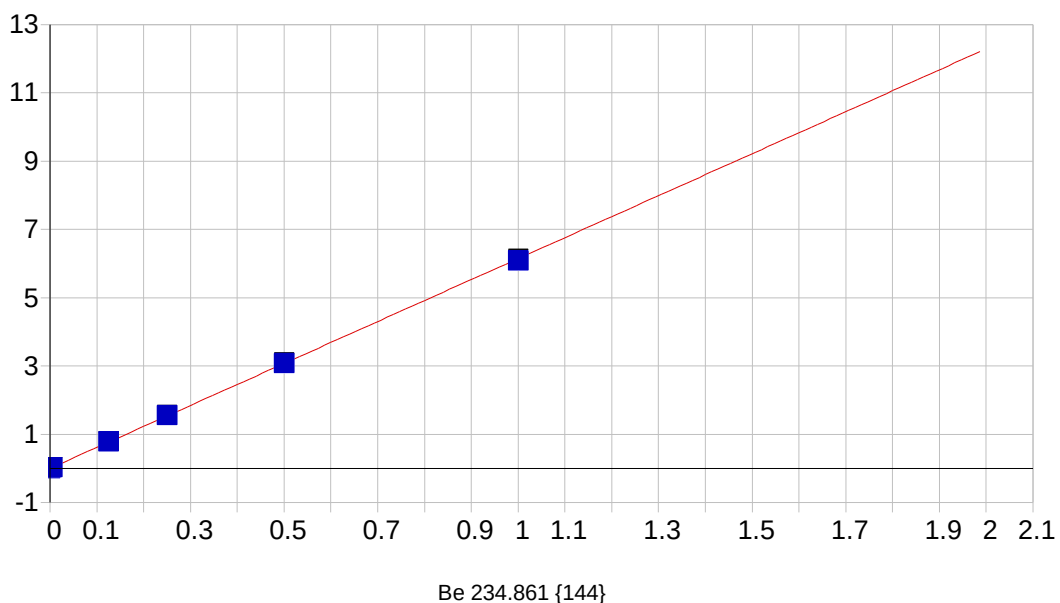
Status: OK.

Std Error of Est: 0.002105

Predicted MDL: 0.000990

Predicted MQL: 0.003299

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | .000       | .000    | .00541 | .003    | 1        |
| S1        | .20000       | .21741      | .017       | 8.70    | .49879 | .000    | 1        |
| S2        | 2.5000       | 2.4706      | -.029      | -1.17   | 5.6120 | .019    | 1        |
| S3        | 5.0000       | 4.9377      | -.062      | -1.25   | 11.210 | .017    | 1        |
| S4        | 10.000       | 10.006      | .006       | .064    | 22.713 | .067    | 1        |
| S5        | 20.000       | 20.068      | .068       | .340    | 45.545 | .210    | 1        |



Date of Fit: 8/9/2018 13:36:06

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000926

Re-Slope: 1.000000

A1 (Gain): 6.147043

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999907

Status: OK.

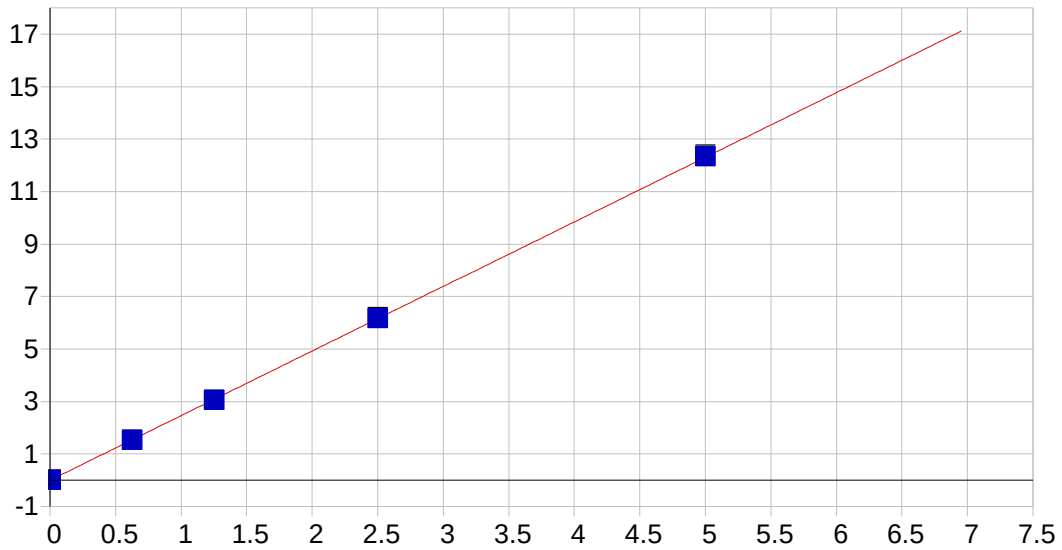
Std Error of Est: 0.000314

Predicted MDL: 0.000078

Predicted MQL: 0.000259

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00093 | .001    | 1        |
| S1        | .00500       | .00591      | .001       | 18.2    | .03536  | .001    | 1        |
| S2        | .12500       | .12791      | .003       | 2.33    | .78201  | .006    | 1        |
| S3        | .25000       | .25312      | .003       | 1.25    | 1.5483  | .006    | 1        |
| S4        | .50000       | .50148      | .001       | .295    | 3.0682  | .011    | 1        |
| S5        | 1.0000       | .99157      | -.008      | -.843   | 6.0674  | .046    | 1        |





Cd 214.438 {457}

Date of Fit: 8/9/2018 13:36:06

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000160

Re-Slope: 1.000000

A1 (Gain): 2.461193

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999987

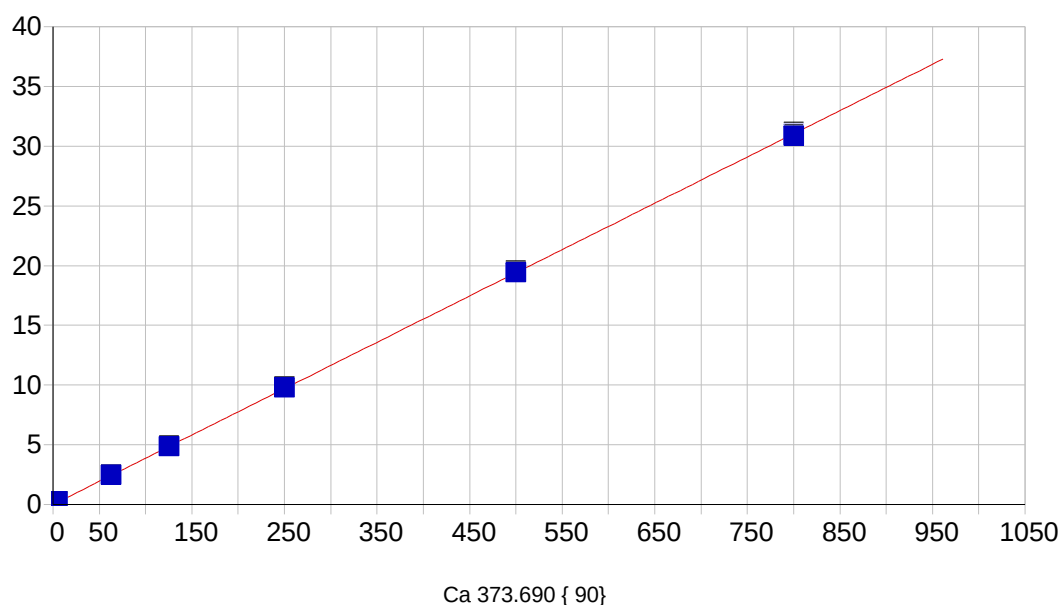
Status: OK.

Std Error of Est: 0.000106

Predicted MDL: 0.000093

Predicted MQL: 0.000312

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00016 | .000    | 1        |
| S1        | .00500       | .00562      | .001       | 12.3    | .01367  | .000    | 1        |
| S2        | .62500       | .62190      | -.003      | -.496   | 1.5336  | .005    | 1        |
| S3        | 1.2500       | 1.2374      | -.013      | -1.01   | 3.0516  | .012    | 1        |
| S4        | 2.5000       | 2.5057      | .006       | .229    | 6.1796  | .028    | 1        |
| S5        | 5.0000       | 5.0094      | .009       | .187    | 12.354  | .050    | 1        |



Date of Fit: 8/9/2018 13:36:06

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.002909

Re-Slope: 1.000000

A1 (Gain): 0.038790

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999973

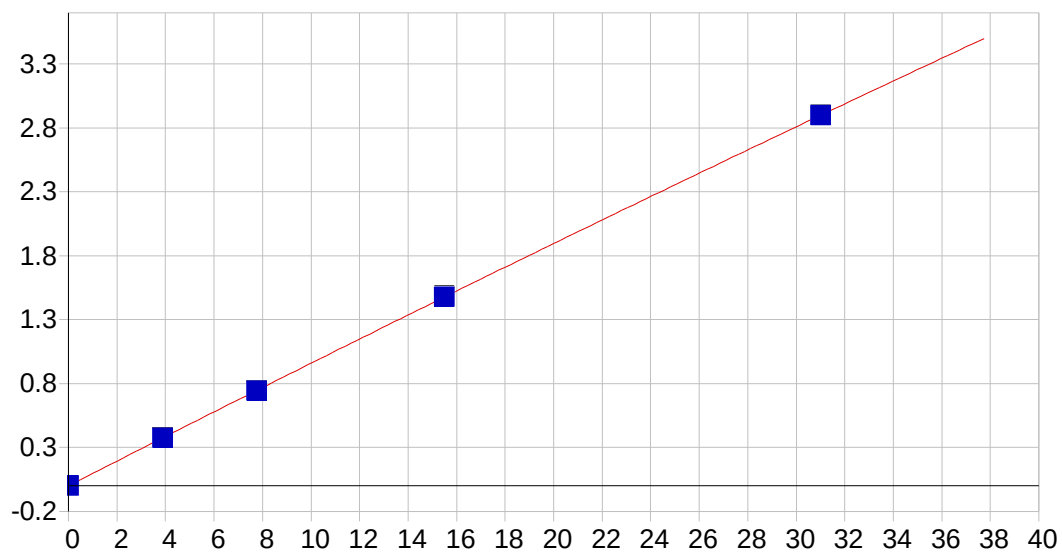
Status: OK.

Std Error of Est: 0.000993

Predicted MDL: 0.024538

Predicted MQL: 0.081793

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00052     | -.001      | .000    | .00289 | .000    | 1        |
| S1        | 5.0000       | 5.4005      | .400       | 8.01    | .21242 | .002    | 1        |
| S2        | 62.500       | 63.598      | 1.10       | 1.76    | 2.4785 | .010    | 1        |
| S3        | 125.00       | 125.34      | .337       | .269    | 4.8820 | .013    | 1        |
| S4        | 250.00       | 252.02      | 2.02       | .810    | 9.8135 | .041    | 1        |
| S5        | 500.00       | 500.56      | .565       | .113    | 19.489 | .095    | 1        |
| S6        | 800.00       | 795.59      | -4.41      | -.552   | 31.048 | .112    | 1        |

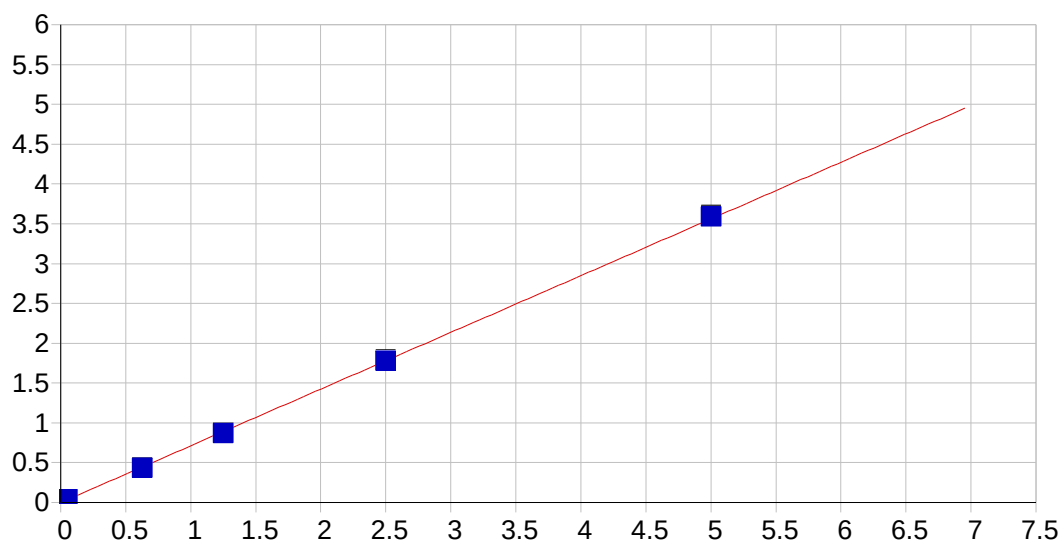


Cr 267.716 {126}

Date of Fit: 8/9/2018 13:36:06 Type of Fit: Curvilinear Weighting: 1/Conc

A0 (Offset): -0.000007 Re-Slope: 1.000000  
 A1 (Gain): 0.097150 Y-int: 0.000000  
 A2 (Curvature): -0.000118  
 n (Exponent): 1.000000  
 Correlation: 0.999994 Status: OK.  
 Std Error of Est: 0.000011  
 Predicted MDL: 0.000763  
 Predicted MQL: 0.002542

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00001 | .000    | 1        |
| S1        | .01000       | .01204      | .002       | 20.4    | .00117  | .000    | 1        |
| S2        | 3.8750       | 3.8926      | .018       | .455    | .37704  | .001    | 1        |
| S3        | 7.7500       | 7.7123      | -.038      | -.486   | .74356  | .000    | 1        |
| S4        | 15.500       | 15.522      | .022       | .140    | 1.4822  | .005    | 1        |
| S5        | 31.000       | 30.996      | -.004      | -.012   | 2.9034  | .000    | 1        |

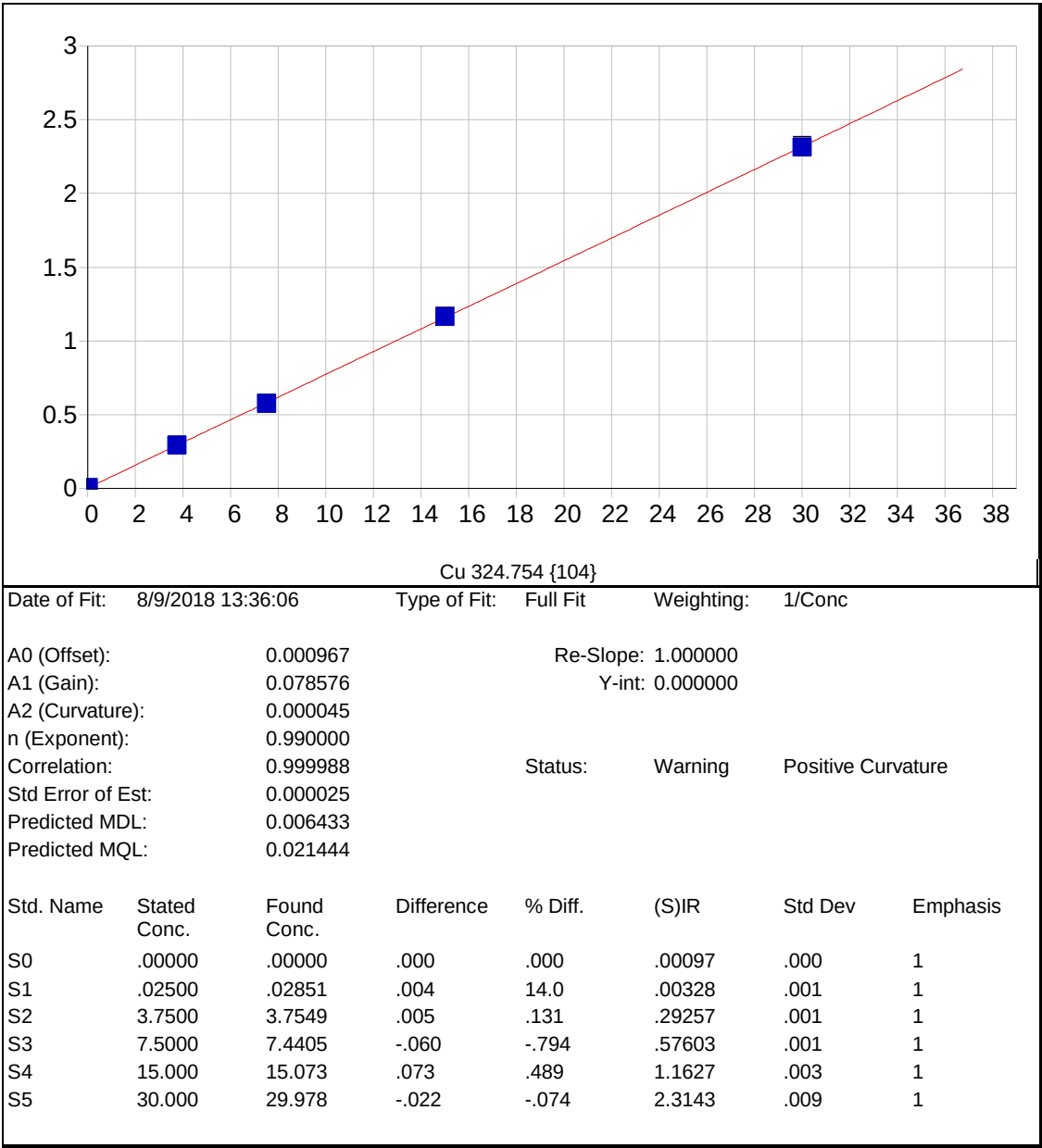


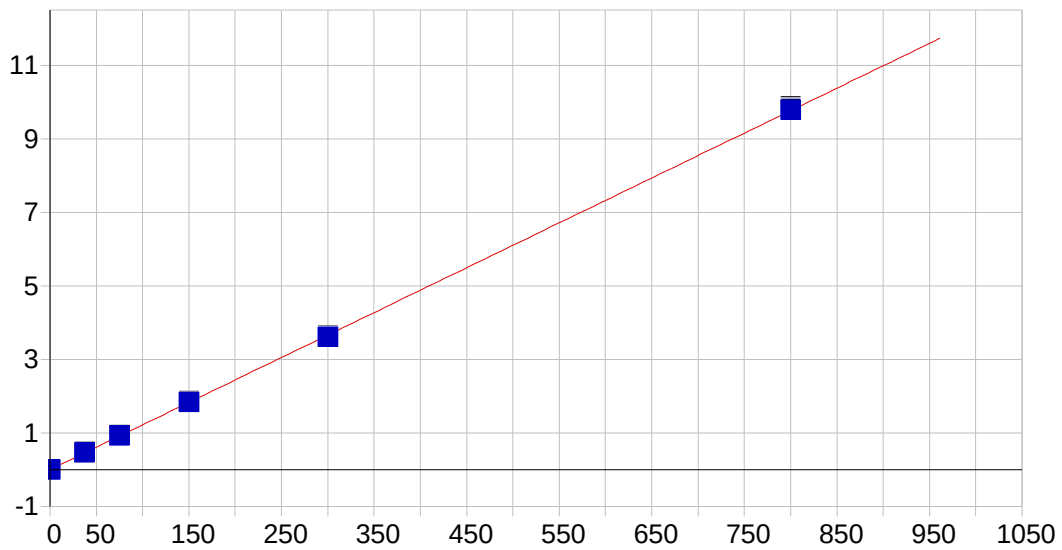
Co 228.616 {448}

Date of Fit: 8/9/2018 13:36:06 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000136 Re-Slope: 1.000000  
 A1 (Gain): 0.712032 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999929 Status: OK.  
 Std Error of Est: 0.000226  
 Predicted MDL: 0.000315  
 Predicted MQL: 0.001050

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00014 | .000    | 1        |
| S1        | .05000       | .05195      | .002       | 3.89    | .03726 | .000    | 1        |
| S2        | .62500       | .61061      | -.014      | -2.30   | .43579 | .002    | 1        |
| S3        | 1.2500       | 1.2227      | -.027      | -2.19   | .87248 | .003    | 1        |
| S4        | 2.5000       | 2.4986      | -.001      | -.055   | 1.7828 | .009    | 1        |
| S5        | 5.0000       | 5.0411      | .041       | .823    | 3.5966 | .015    | 1        |





Fe 259.837 {130}

Date of Fit: 8/9/2018 13:36:06

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000055

Re-Slope: 1.000000

A1 (Gain): 0.012205

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999959

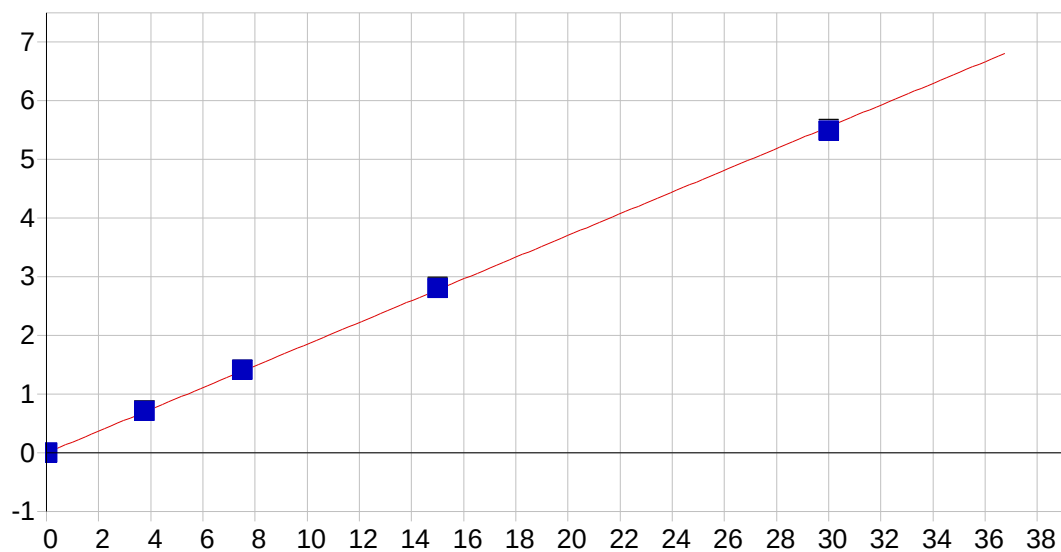
Status: OK.

Std Error of Est: 0.000048

Predicted MDL: 0.022383

Predicted MQL: 0.074610

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00003     | .000       | .000    | -.00005 | .000    | 1        |
| S1        | .10000       | .12948      | .029       | 29.5    | .00155  | .000    | 1        |
| S2        | 37.500       | 38.376      | .876       | 2.34    | .47075  | .002    | 1        |
| S3        | 75.000       | 75.772      | .772       | 1.03    | .92960  | .003    | 1        |
| S4        | 150.00       | 150.87      | .869       | .579    | 1.8510  | .006    | 1        |
| S5        | 300.00       | 295.59      | -4.41      | -1.47   | 3.6270  | .012    | 1        |
| S6        | 800.00       | 801.87      | 1.87       | .234    | 9.8307  | .038    | 1        |



Mn 257.610 {131}

Date of Fit: 8/9/2018 13:36:06

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000009

Re-Slope: 1.000000

A1 (Gain): 0.185239

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999904

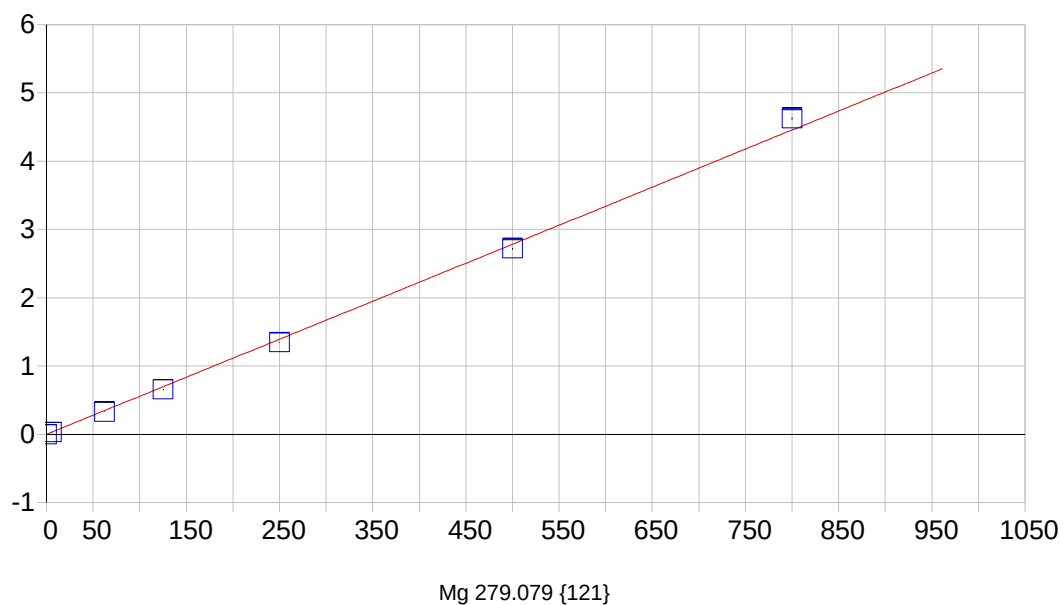
Status: OK.

Std Error of Est: 0.000091

Predicted MDL: 0.001456

Predicted MQL: 0.004852

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00001 | .000    | 1        |
| S1        | .01500       | .01653      | .002       | 10.2    | .00307 | .000    | 1        |
| S2        | 3.7500       | 3.8602      | .110       | 2.94    | .71522 | .005    | 1        |
| S3        | 7.5000       | 7.6065      | .106       | 1.42    | 1.4093 | .006    | 1        |
| S4        | 15.000       | 15.146      | .146       | .976    | 2.8063 | .018    | 1        |
| S5        | 30.000       | 29.635      | -.365      | -1.22   | 5.4909 | .022    | 1        |



Date of Fit: 8/9/2018 13:36:06

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000271

Re-Slope: 1.000000

A1 (Gain): 0.005570

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999347

Status: OK.

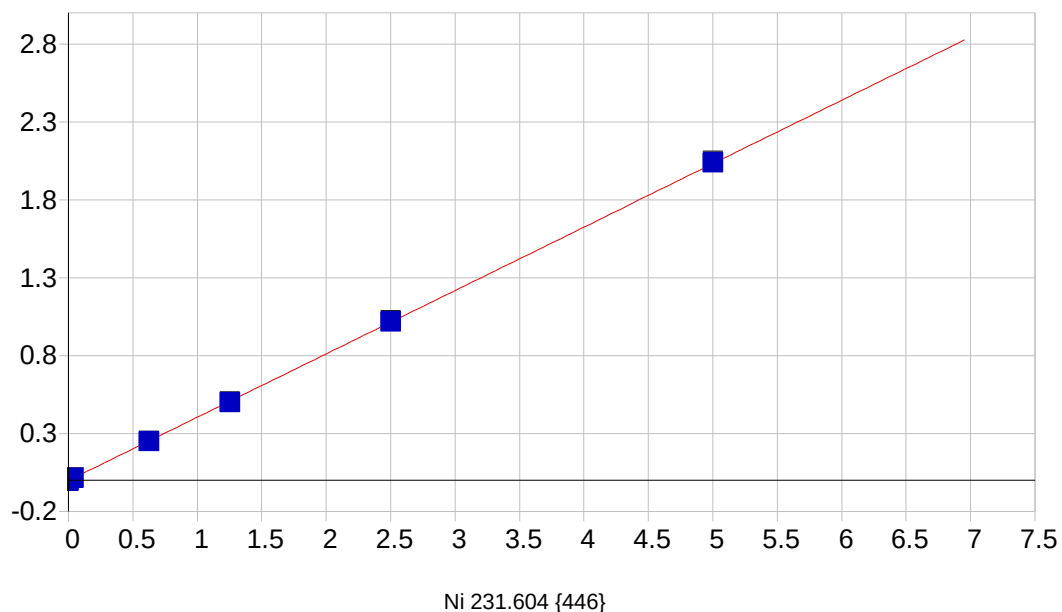
Std Error of Est: 0.000703

Predicted MDL: 0.061331

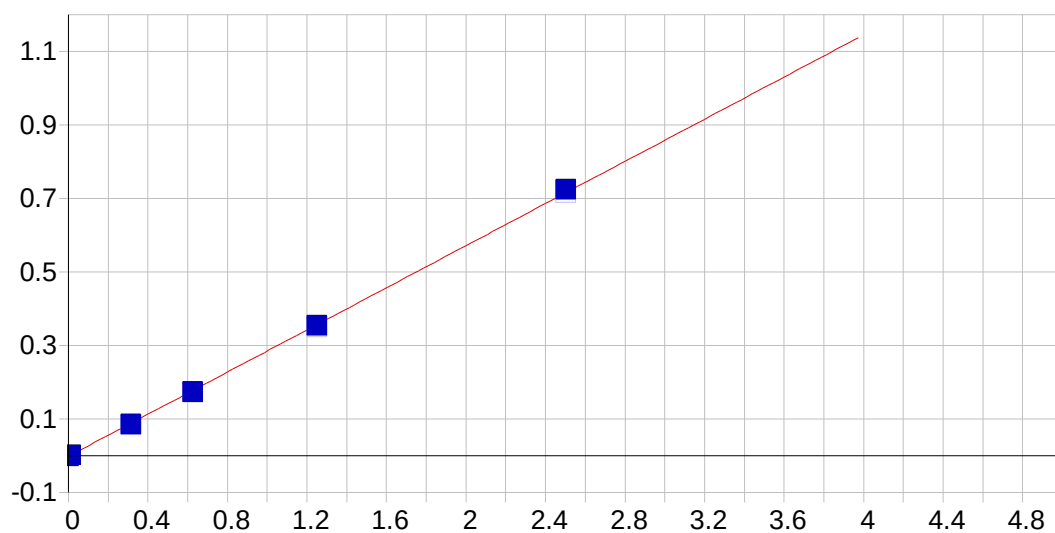
Predicted MQL: 0.204438

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00041      | .000       | .000    | -.00027 | .000    | 1        |
| S1        | 5.0000       | 5.2198      | .220       | 4.40    | .02880  | .001    | 1        |
| S2        | 62.500       | 59.281      | -3.22      | -5.15   | .32992  | .001    | 1        |
| S3        | 125.00       | 118.19      | -6.81      | -5.45   | .65805  | .001    | 1        |
| S4        | 250.00       | 241.35      | -8.65      | -3.46   | 1.3440  | .002    | 1        |
| S5        | 500.00       | 488.14      | -11.9      | -2.37   | 2.7186  | .013    | 1        |
| S6        | 800.00       | 830.32      | 30.3       | 3.79    | 4.6246  | .016    | 1        |





|                   |                   |              |            |            |          |         |          |
|-------------------|-------------------|--------------|------------|------------|----------|---------|----------|
| Date of Fit:      | 8/9/2018 13:36:06 | Type of Fit: | Linear     | Weighting: | 1/Conc   |         |          |
| A0 (Offset):      | -0.001432         |              |            | Re-Slope:  | 1.000000 |         |          |
| A1 (Gain):        | 0.406638          |              |            | Y-int:     | 0.000000 |         |          |
| A2 (Curvature):   | 0.000000          |              |            |            |          |         |          |
| n (Exponent):     | 1.000000          |              |            |            |          |         |          |
| Correlation:      | 0.999961          | Status:      |            | OK.        |          |         |          |
| Std Error of Est: | 0.000085          |              |            |            |          |         |          |
| Predicted MDL:    | 0.000562          |              |            |            |          |         |          |
| Predicted MQL:    | 0.001873          |              |            |            |          |         |          |
|                   |                   |              |            |            |          |         |          |
| Std. Name         | Stated Conc.      | Found Conc.  | Difference | % Diff.    | (S)IR    | Std Dev | Emphasis |
| S0                | .00000            | .00000       | .000       | .000       | -.00143  | .000    | 1        |
| S1                | .04000            | .04383       | .004       | 9.57       | .01640   | .000    | 1        |
| S2                | .62500            | .61820       | -.007      | -1.09      | .25047   | .001    | 1        |
| S3                | 1.2500            | 1.2330       | -.017      | -1.36      | .50100   | .002    | 1        |
| S4                | 2.5000            | 2.5036       | .004       | .145       | 1.0187   | .006    | 1        |
| S5                | 5.0000            | 5.0163       | .016       | .327       | 2.0426   | .007    | 1        |



Ag 328.068 {103}

Date of Fit: 8/9/2018 13:36:06

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.001617

Re-Slope: 1.000000

A1 (Gain): 0.286639

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999883

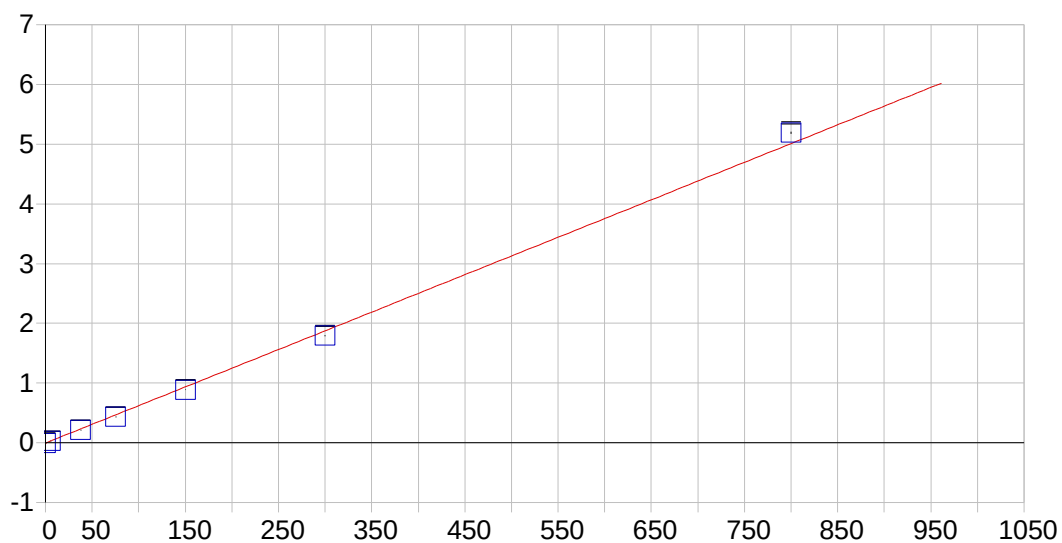
Status: OK.

Std Error of Est: 0.000036

Predicted MDL: 0.000551

Predicted MQL: 0.001838

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00162 | .000    | 1        |
| S1        | .01000       | .01082      | .001       | 8.24    | .00146  | .000    | 1        |
| S2        | .31250       | .30361      | -.009      | -2.84   | .08426  | .001    | 1        |
| S3        | .62500       | .61189      | -.013      | -2.10   | .17148  | .001    | 1        |
| S4        | 1.2500       | 1.2399      | -.010      | -.808   | .34919  | .001    | 1        |
| S5        | 2.5000       | 2.5313      | .031       | 1.25    | .71475  | .002    | 1        |



Na 818.326 { 41}

Date of Fit: 8/9/2018 13:36:06

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.004978

Re-Slope: 1.000000

A1 (Gain): 0.006266

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999034

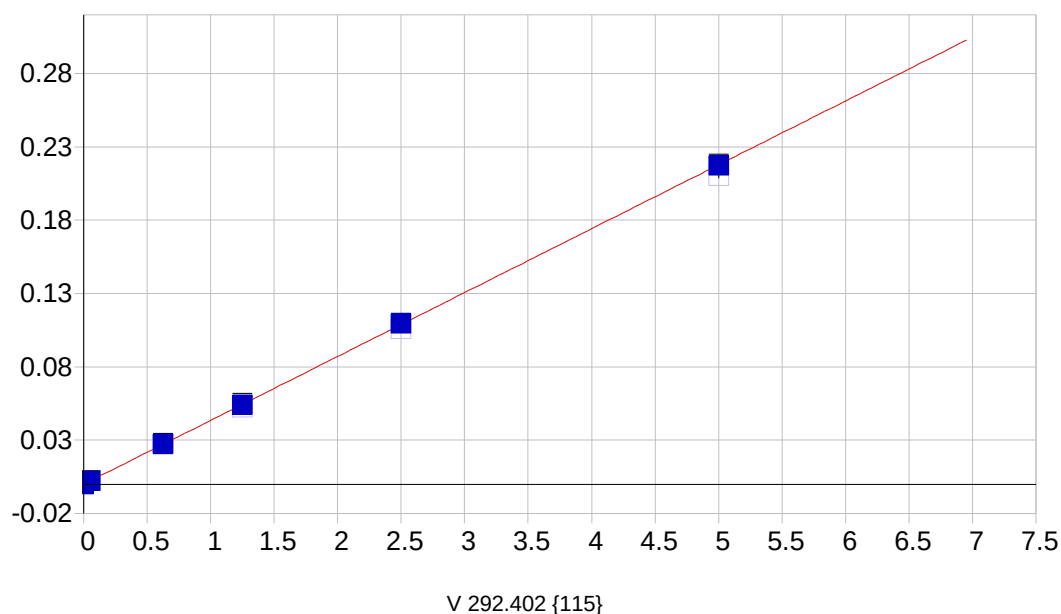
Status: OK.

Std Error of Est: 0.000852

Predicted MDL: 0.361171

Predicted MQL: 1.203905

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00064      | .001       | .000    | -.00497 | .002    | 1        |
| S1        | 5.0000       | 5.3631      | .363       | 7.26    | .02863  | .002    | 1        |
| S2        | 37.500       | 34.926      | -2.57      | -6.86   | .21388  | .002    | 1        |
| S3        | 75.000       | 69.878      | -5.12      | -6.83   | .43291  | .003    | 1        |
| S4        | 150.00       | 141.85      | -8.15      | -5.43   | .88392  | .004    | 1        |
| S5        | 300.00       | 286.54      | -13.5      | -4.49   | 1.7906  | .007    | 1        |
| S6        | 800.00       | 828.94      | 28.9       | 3.62    | 5.1895  | .018    | 1        |



Date of Fit: 8/9/2018 13:36:06

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000088

Re-Slope: 1.000000

A1 (Gain): 0.043561

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999973

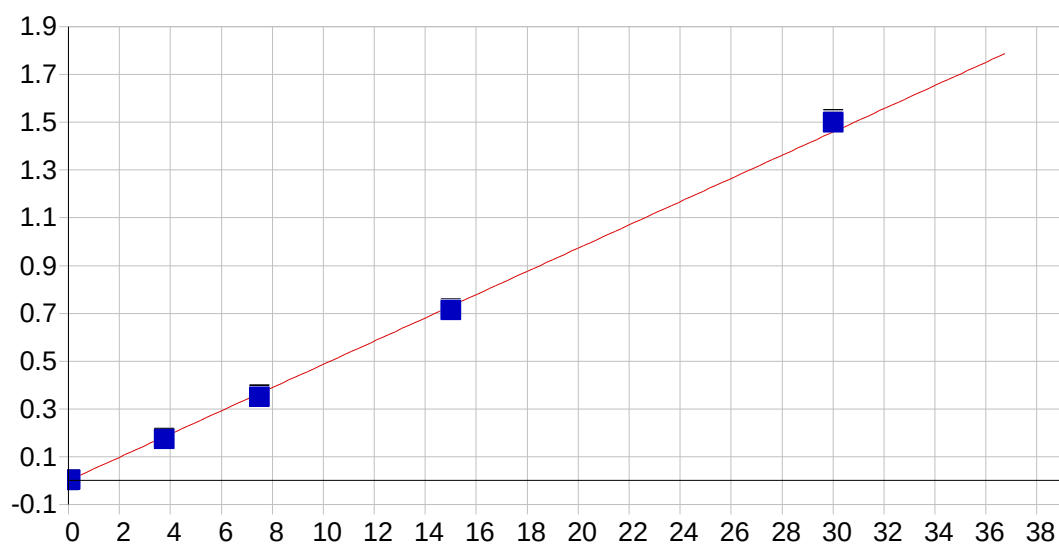
Status: OK.

Std Error of Est: 0.000008

Predicted MDL: 0.008324

Predicted MQL: 0.027746

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00009 | .000    | 1        |
| S1        | .05000       | .05277      | .003       | 5.54    | .00221  | .000    | 1        |
| S2        | .62500       | .63551      | .011       | 1.68    | .02670  | .000    | 1        |
| S3        | 1.2500       | 1.2416      | -.008      | -.675   | .05220  | .001    | 1        |
| S4        | 2.5000       | 2.5108      | .011       | .434    | .10570  | .000    | 1        |
| S5        | 5.0000       | 4.9842      | -.016      | -.315   | .20985  | .001    | 1        |



Zn 213.856 {158}

Date of Fit: 8/9/2018 13:36:06

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000297

Re-Slope: 1.000000

A1 (Gain): 0.048630

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999560

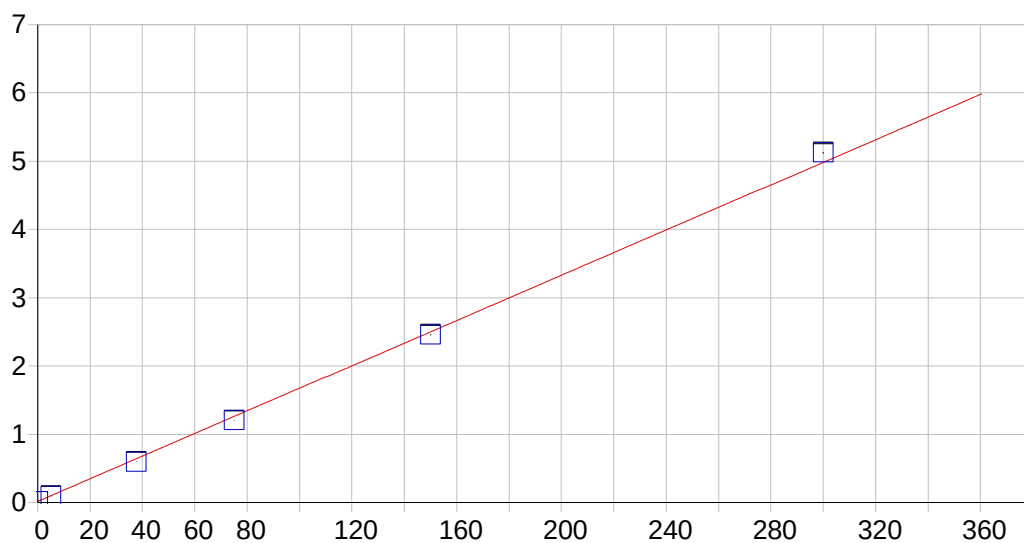
Status: OK.

Std Error of Est: 0.000103

Predicted MDL: 0.009728

Predicted MQL: 0.032428

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00030 | .000    | 1        |
| S1        | .06000       | .06341      | .003       | 5.68    | .00339 | .000    | 1        |
| S2        | 3.7500       | 3.5591      | -.191      | -5.09   | .17424 | .003    | 1        |
| S3        | 7.5000       | 7.2077      | -.292      | -3.90   | .35252 | .006    | 1        |
| S4        | 15.000       | 14.674      | -.326      | -2.17   | .71731 | .002    | 1        |
| S5        | 30.000       | 30.806      | .806       | 2.69    | 1.5053 | .006    | 1        |



K 769.896 { 44}

Date of Fit: 8/9/2018 13:36:06

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.017356

Re-Slope: 1.000000

A1 (Gain): 0.016557

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999474

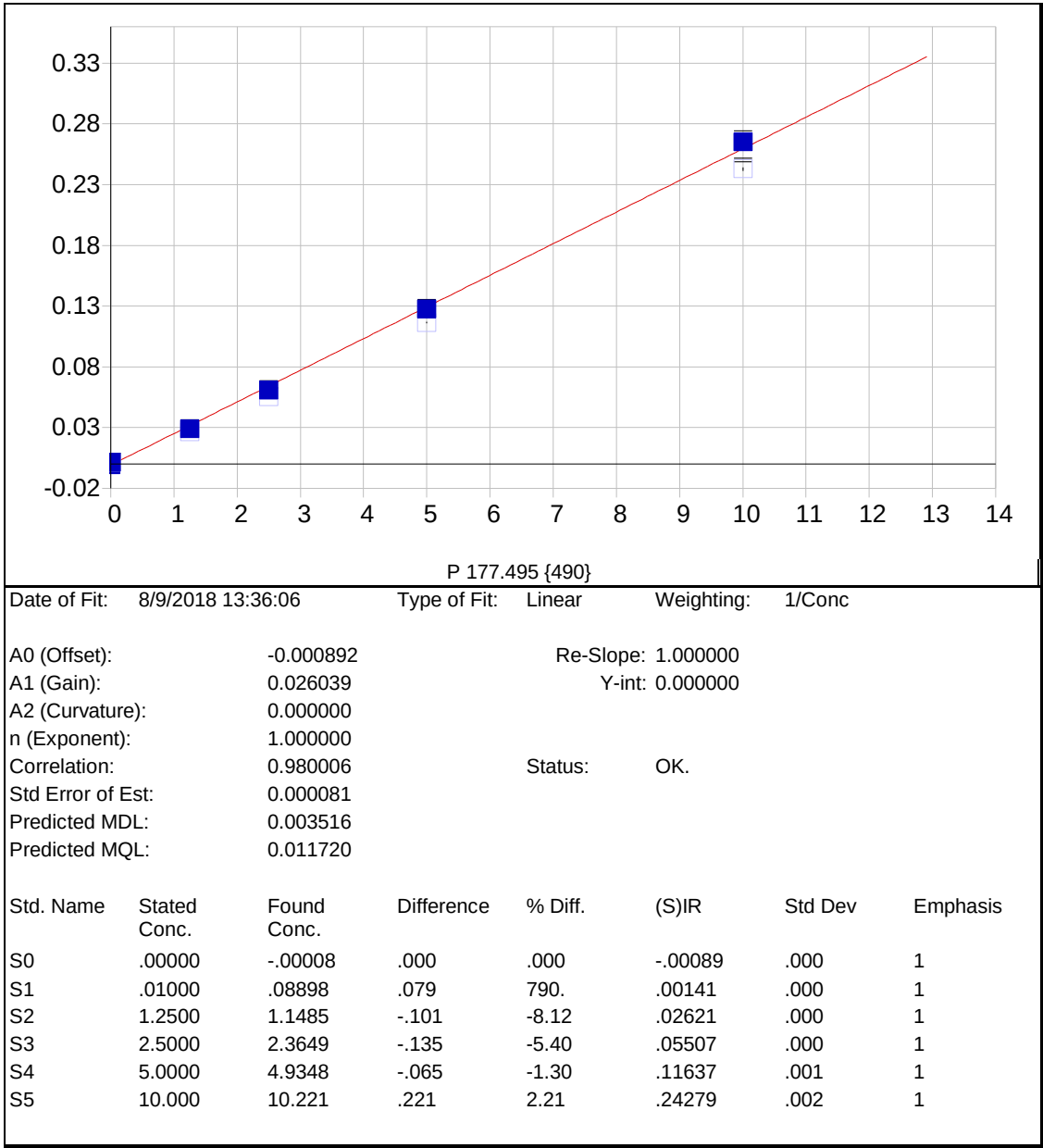
Status: OK.

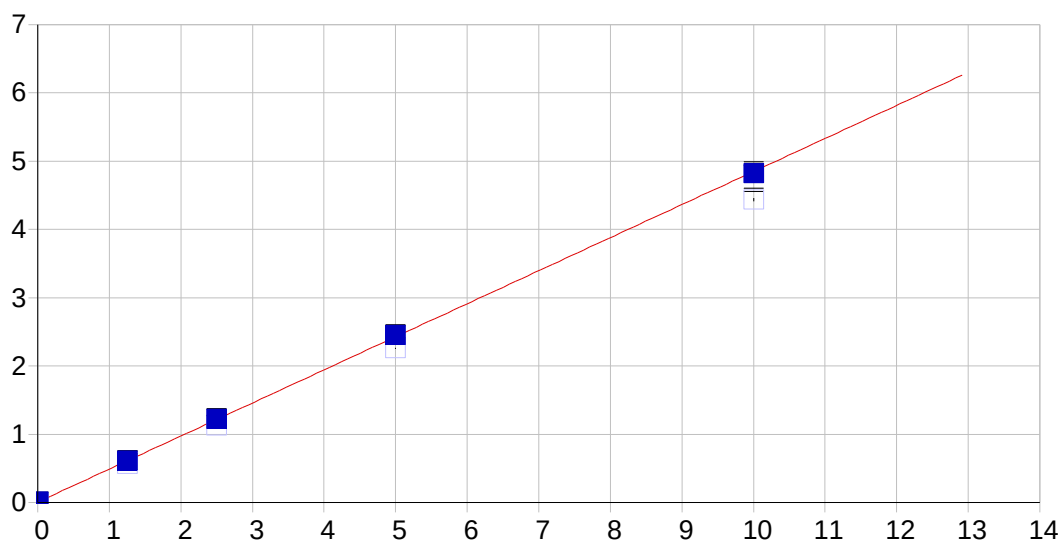
Std Error of Est: 0.001108

Predicted MDL: 0.114941

Predicted MQL: 0.383138

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00060      | .001       | .000    | .01737 | .001    | 1        |
| S1        | 5.0000       | 4.8901      | -.110      | -2.20   | .09832 | .001    | 1        |
| S2        | 37.500       | 35.103      | -2.40      | -6.39   | .59855 | .007    | 1        |
| S3        | 75.000       | 71.550      | -3.45      | -4.60   | 1.2020 | .002    | 1        |
| S4        | 150.00       | 147.47      | -2.53      | -1.69   | 2.4589 | .006    | 1        |
| S5        | 300.00       | 308.49      | 8.49       | 2.83    | 5.1249 | .012    | 1        |





B 249.678 {135}

Date of Fit: 8/9/2018 13:36:06

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.005563

Re-Slope: 1.000000

A1 (Gain): 0.484328

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999962

Status: OK.

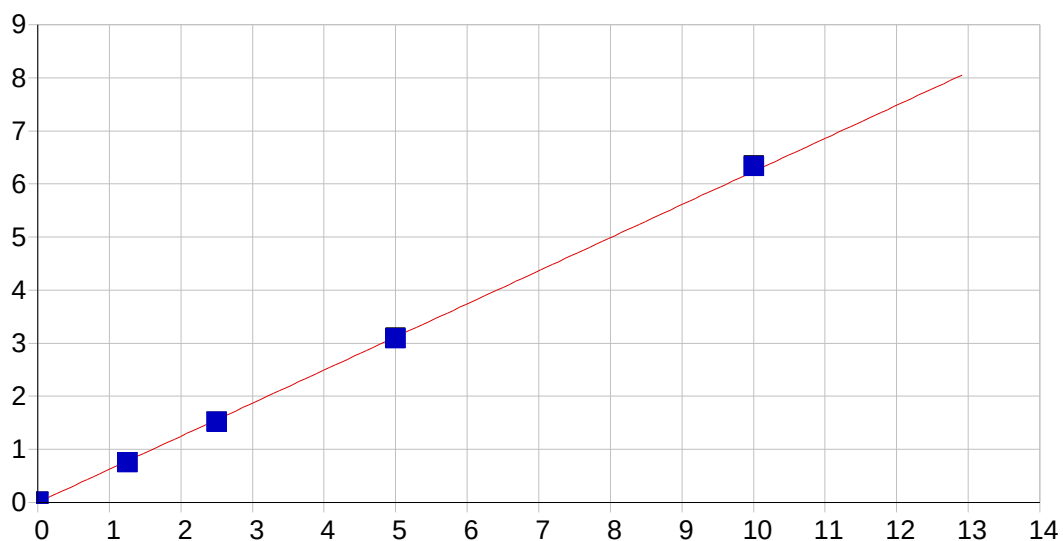
Std Error of Est: 0.000066

Predicted MDL: 0.001204

Predicted MQL: 0.004012

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00556 | .000    | 1        |
| S1        | .01000       | .00812      | -.002      | -18.8   | .00940 | .001    | 1        |
| S2        | 1.2500       | 1.2524      | .002       | .188    | .56416 | .003    | 1        |
| S3        | 2.5000       | 2.5150      | .015       | .602    | 1.1278 | .004    | 1        |
| S4        | 5.0000       | 5.0451      | .045       | .902    | 2.2572 | .010    | 1        |
| S5        | 10.000       | 9.9395      | -.060      | -.605   | 4.4359 | .027    | 1        |





Mo 202.030 {467}

Date of Fit: 8/9/2018 13:36:06

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000546

Re-Slope: 1.000000

A1 (Gain): 0.623417

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999842

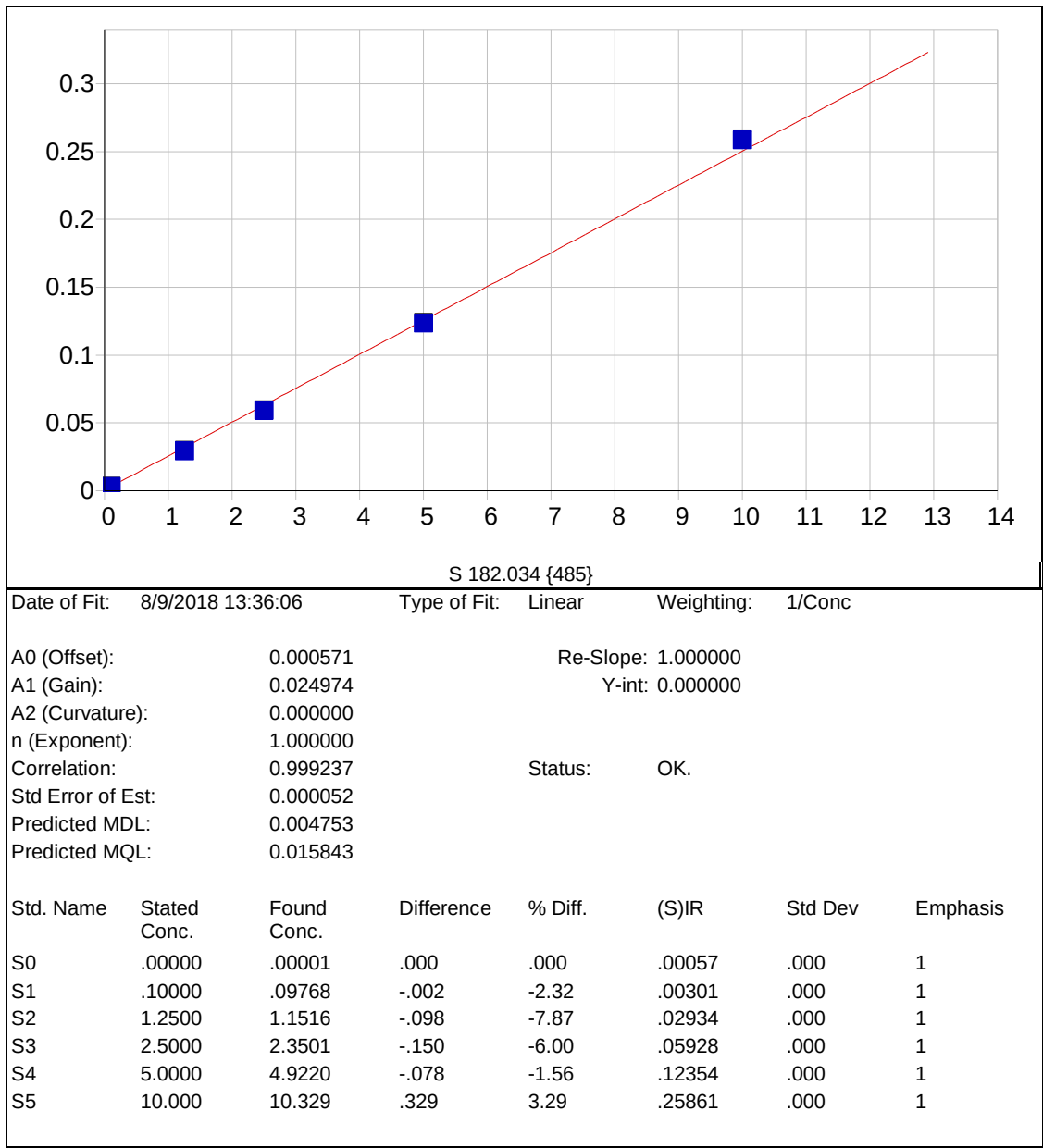
Status: OK.

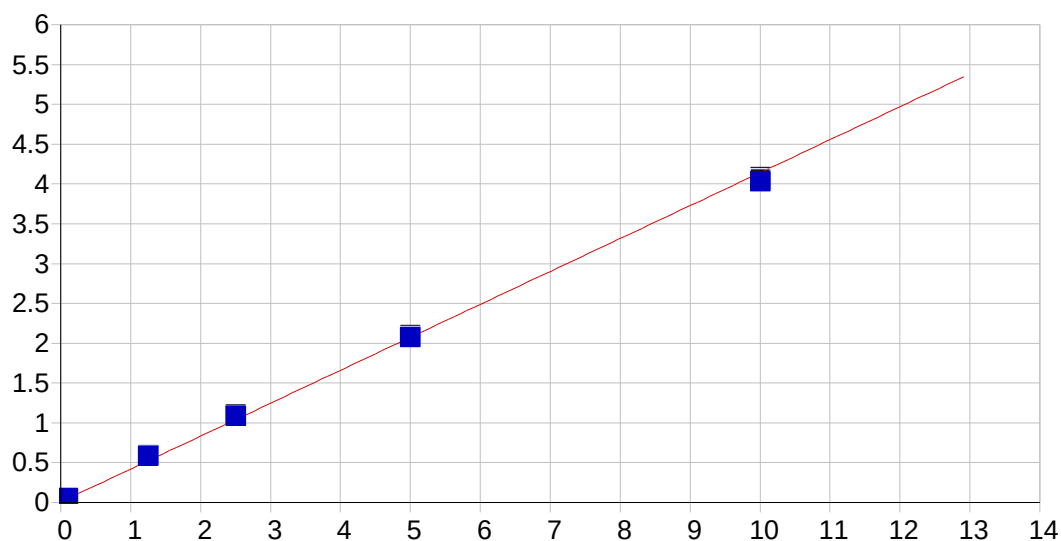
Std Error of Est: 0.000186

Predicted MDL: 0.000325

Predicted MQL: 0.001083

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00055 | .000    | 1        |
| S1        | .01000       | .01038      | .000       | 3.78    | .00701 | .000    | 1        |
| S2        | 1.2500       | 1.2125      | -.038      | -3.00   | .75638 | .002    | 1        |
| S3        | 2.5000       | 2.4291      | -.071      | -2.84   | 1.5148 | .005    | 1        |
| S4        | 5.0000       | 4.9543      | -.046      | -.913   | 3.0890 | .008    | 1        |
| S5        | 10.000       | 10.154      | .154       | 1.54    | 6.3303 | .016    | 1        |





Si 251.611 {134}

Date of Fit: 8/9/2018 13:36:06

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.006230

Re-Slope: 1.000000

A1 (Gain): 0.413572

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999168

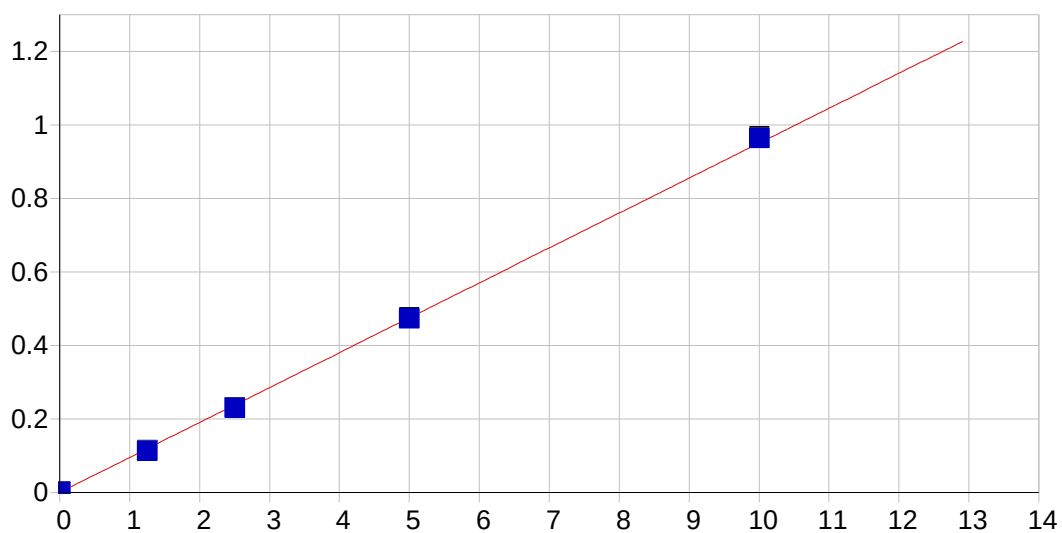
Status: OK.

Std Error of Est: 0.000904

Predicted MDL: 0.001419

Predicted MQL: 0.004728

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00002     | .000       | .000    | .00622 | .000    | 1        |
| S1        | .10000       | .10628      | .006       | 6.28    | .05033 | .001    | 1        |
| S2        | 1.2500       | 1.4039      | .154       | 12.3    | .59107 | .003    | 1        |
| S3        | 2.5000       | 2.6155      | .116       | 4.62    | 1.0964 | .004    | 1        |
| S4        | 5.0000       | 4.9931      | -.007      | -.137   | 2.0882 | .010    | 1        |
| S5        | 10.000       | 9.7312      | -.269      | -2.69   | 4.0647 | .023    | 1        |



Sn 189.989 {478}

Date of Fit: 8/9/2018 13:36:06

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000292

Re-Slope: 1.000000

A1 (Gain): 0.095016

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999807

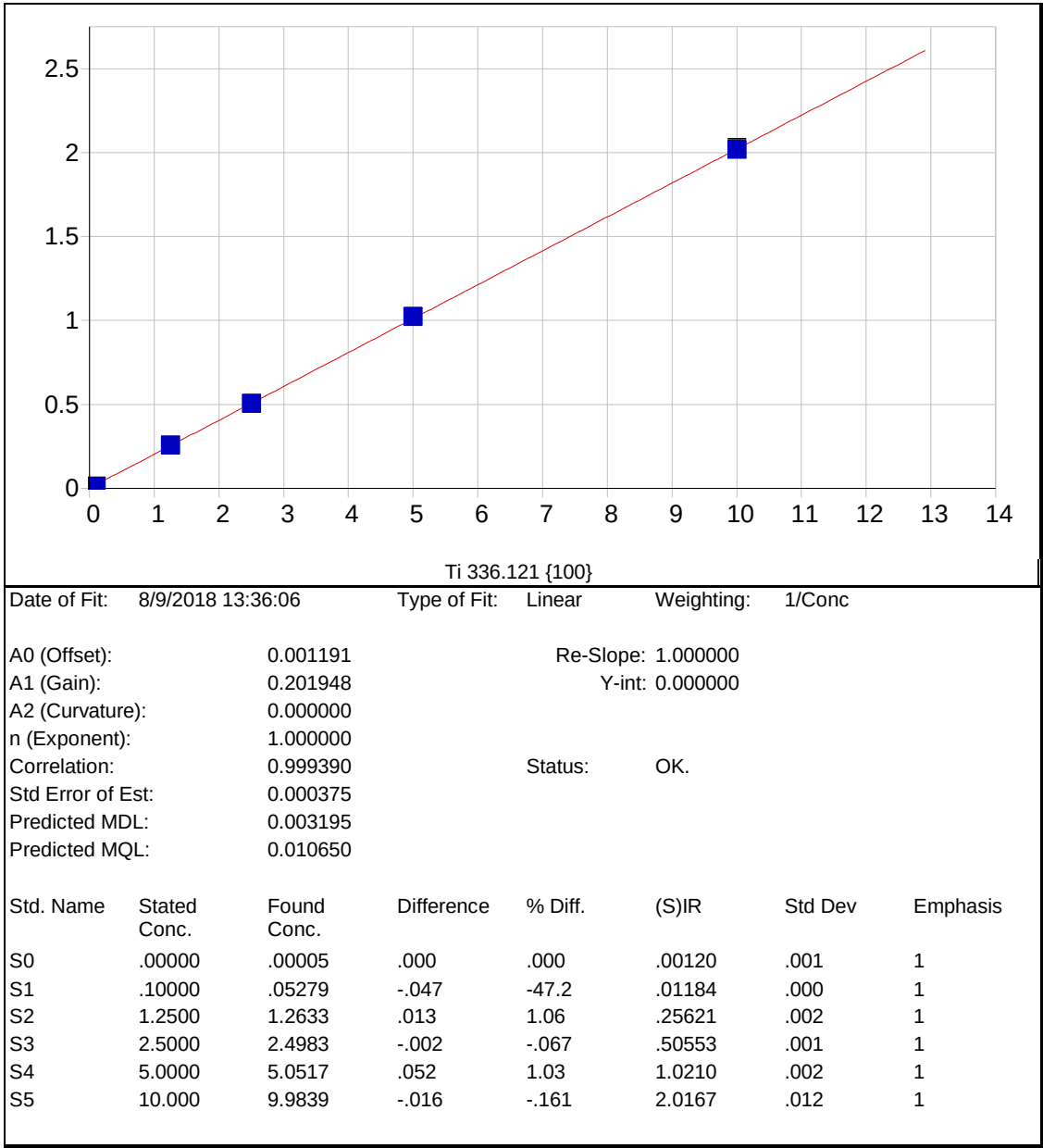
Status: OK.

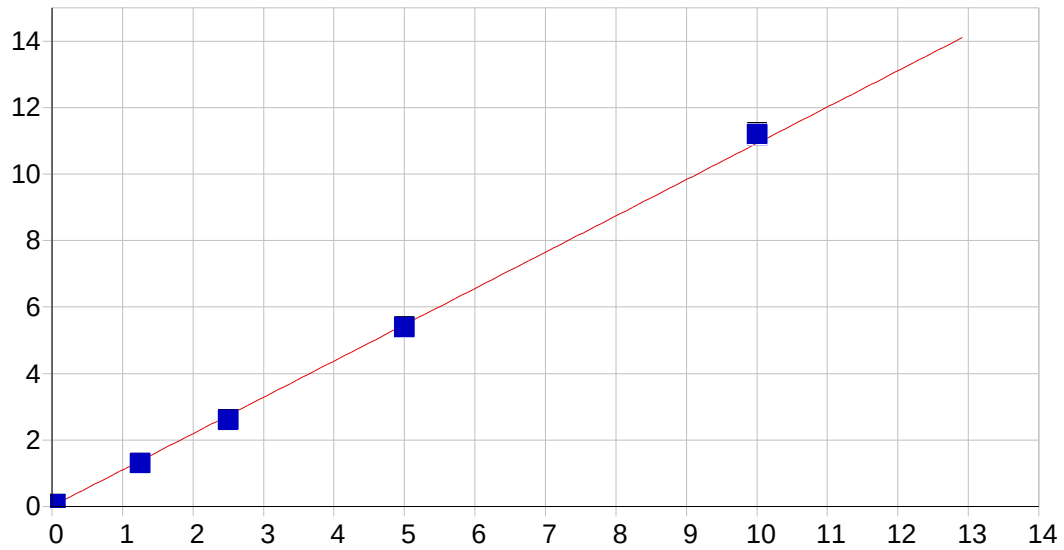
Std Error of Est: 0.000026

Predicted MDL: 0.001246

Predicted MQL: 0.004154

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00029 | .000    | 1        |
| S1        | .00700       | .00710      | .000       | 1.48    | .00094 | .000    | 1        |
| S2        | 1.2500       | 1.1974      | -.053      | -4.21   | .11380 | .001    | 1        |
| S3        | 2.5000       | 2.4191      | -.081      | -3.24   | .22962 | .001    | 1        |
| S4        | 5.0000       | 4.9816      | -.018      | -.368   | .47257 | .002    | 1        |
| S5        | 10.000       | 10.152      | .152       | 1.52    | .96278 | .004    | 1        |





Li 670.784 { 50}

Date of Fit: 8/9/2018 13:36:06

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.010388

Re-Slope: 1.000000

A1 (Gain): 1.091331

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999549

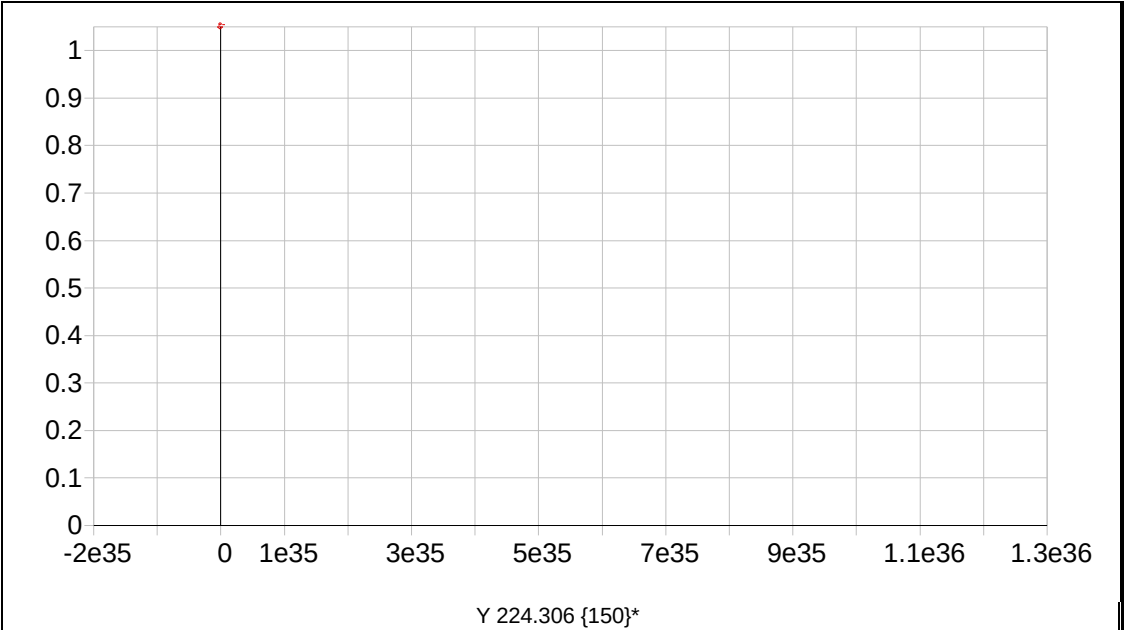
Status: OK.

Std Error of Est: 0.001224

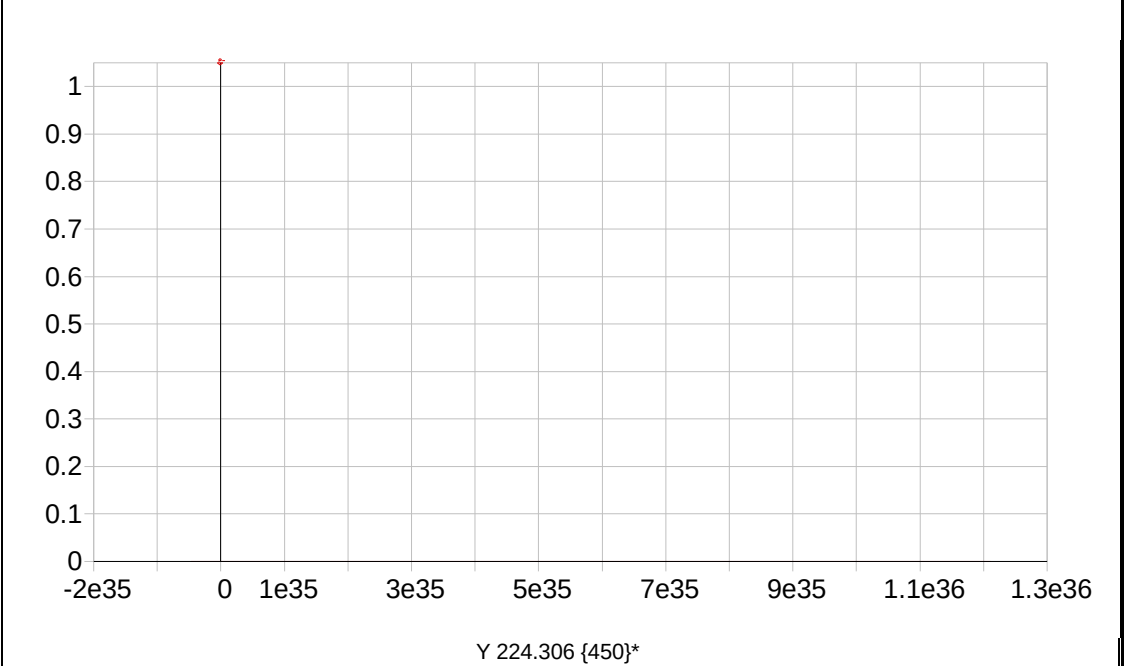
Predicted MDL: 0.002185

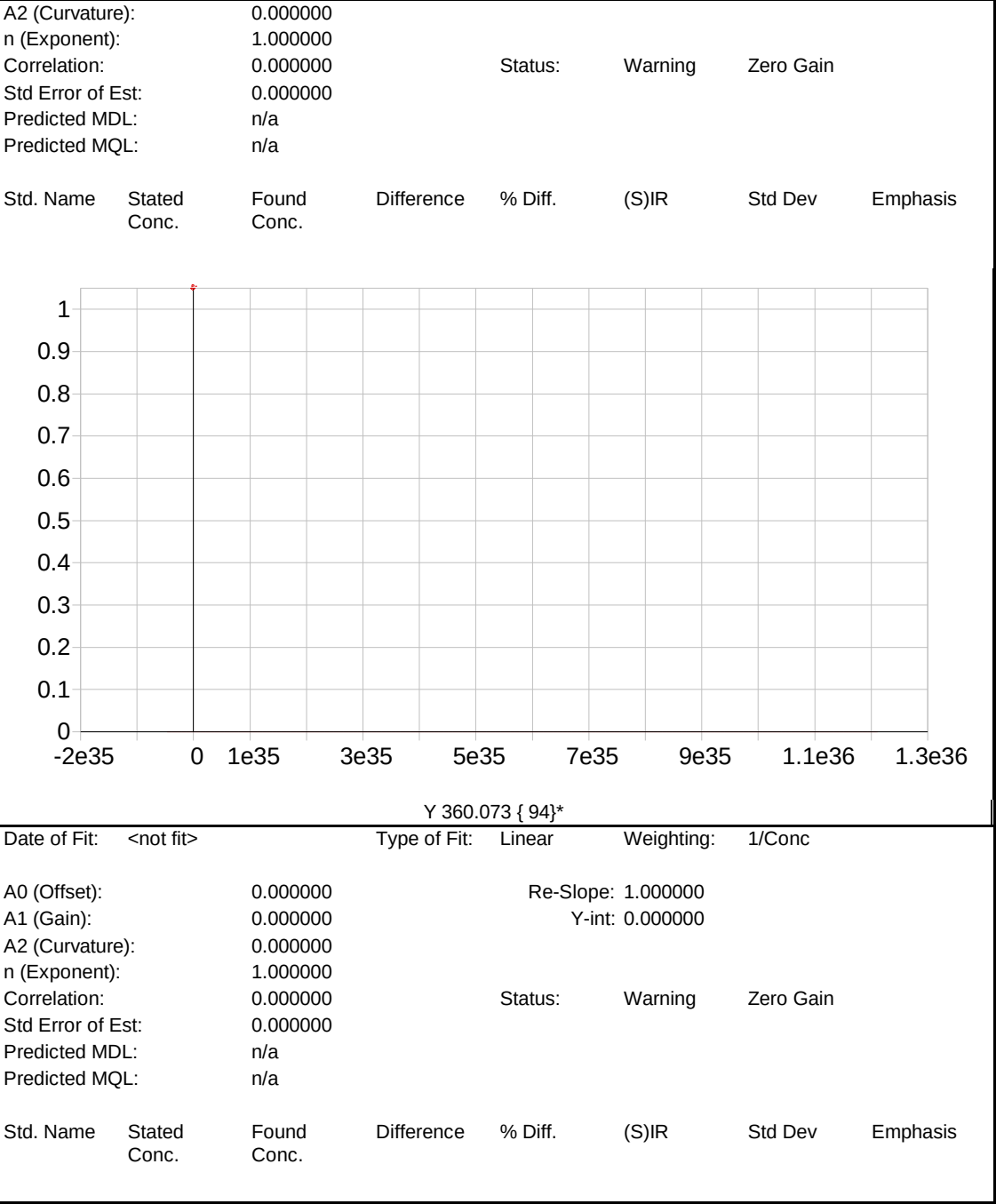
Predicted MQL: 0.007285

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | .01040 | .001    | 1        |
| S5        | 10.000       | 10.252      | .252       | 2.52    | 11.137 | .053    | 1        |
| S4        | 5.0000       | 4.9392      | -.061      | -1.22   | 5.3700 | .013    | 1        |
| S3        | 2.5000       | 2.3835      | -.116      | -4.66   | 2.5963 | .004    | 1        |
| S2        | 1.2500       | 1.1781      | -.072      | -5.75   | 1.2884 | .003    | 1        |
| S1        | .05000       | .04732      | -.003      | -5.35   | .06192 | .003    | 1        |

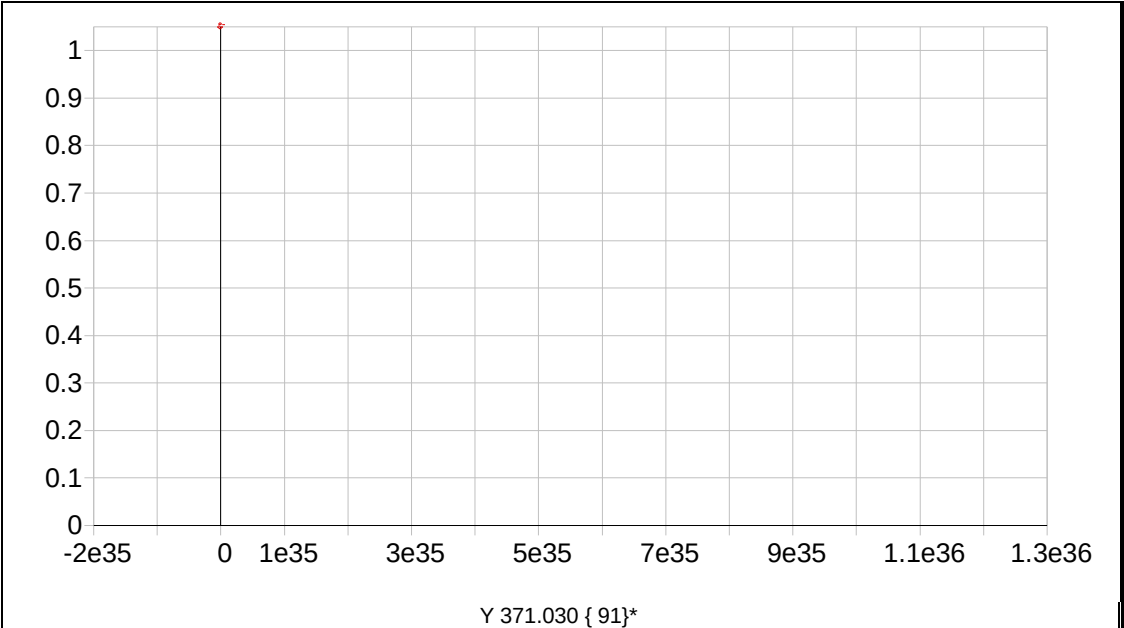


| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|-------|---------|----------|
|-----------|--------------|-------------|------------|---------|-------|---------|----------|





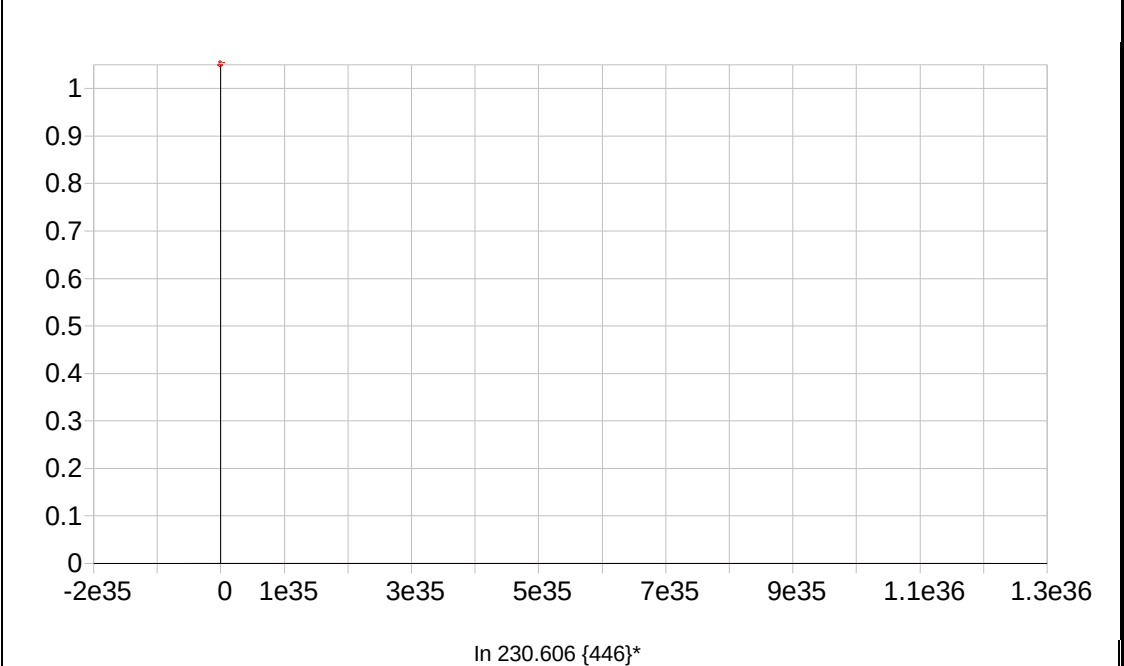




Date of Fit: <not fit>      Type of Fit: Linear      Weighting: 1/Conc

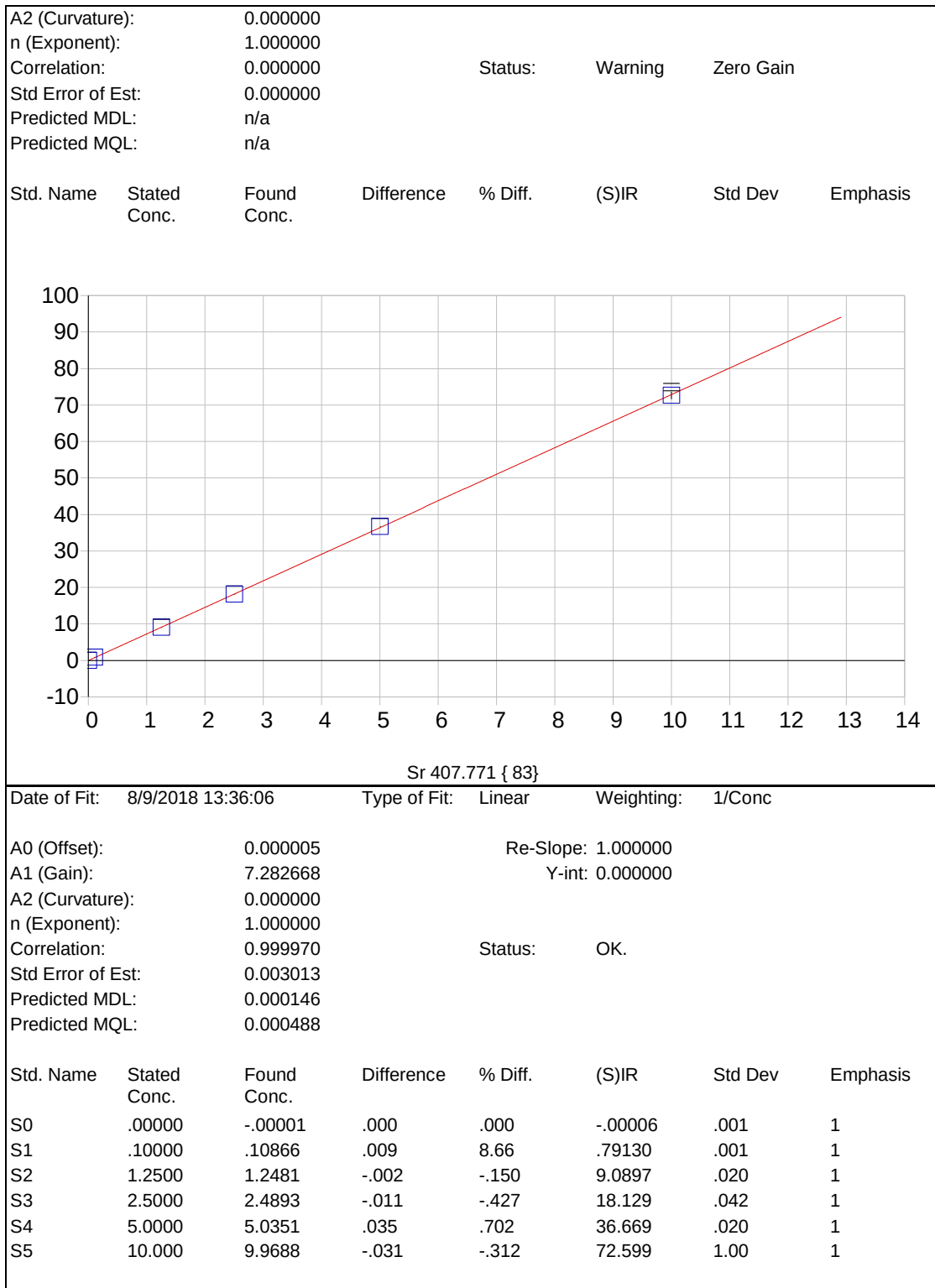
A0 (Offset): 0.000000      Re-Slope: 1.000000  
A1 (Gain): 0.000000      Y-int: 0.000000  
A2 (Curvature): 0.000000  
n (Exponent): 1.000000  
Correlation: 0.000000      Status: Warning      Zero Gain  
Std Error of Est: 0.000000  
Predicted MDL: n/a  
Predicted MQL: n/a

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



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: 8/9/2018 12:37:30      Type: Cal  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: IR      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: S00      Custom ID2:      Custom ID3:  
 Comment:

|        |         |         |         |        |        |        |        |         |
|--------|---------|---------|---------|--------|--------|--------|--------|---------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348  |
| Units  | Cts/S   | Cts/S   | Cts/S   | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S   |
| Avg    | -.00025 | -.00037 | -.00031 | .00036 | .00047 | .00204 | .00541 | -.00093 |
| Stddev | .00007  | .00009  | .00025  | .00015 | .00009 | .00015 | .00268 | .00061  |
| %RSD   | 27.718  | 23.500  | 79.077  | 41.573 | 19.319 | 7.5928 | 49.558 | 65.898  |

|    |         |         |         |        |        |        |        |         |
|----|---------|---------|---------|--------|--------|--------|--------|---------|
| #1 | -.00019 | -.00039 | -.00003 | .00022 | .00057 | .00186 | .00246 | -.00156 |
| #2 | -.00025 | -.00027 | -.00044 | .00033 | .00043 | .00209 | .00769 | -.00091 |
| #3 | -.00033 | -.00044 | -.00047 | .00051 | .00040 | .00216 | .00607 | -.00033 |

|        |         |        |         |        |        |         |        |         |
|--------|---------|--------|---------|--------|--------|---------|--------|---------|
| 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    | -.00016 | .00289 | -.00001 | .00014 | .00097 | -.00005 | .00001 | -.00027 |
| Stddev | .00024  | .00022 | .00006  | .00007 | .00008 | .00014  | .00009 | .00027  |
| %RSD   | 150.57  | 7.5009 | 857.66  | 55.327 | 7.9608 | 252.45  | 1066.9 | 101.42  |

|    |         |        |         |        |        |         |         |         |
|----|---------|--------|---------|--------|--------|---------|---------|---------|
| #1 | -.00044 | .00313 | -.00007 | .00005 | .00088 | -.00020 | .00007  | .00005  |
| #2 | -.00007 | .00282 | .00005  | .00015 | .00100 | .00008  | -.00009 | -.00044 |
| #3 | .00002  | .00272 | .00000  | .00020 | .00102 | -.00005 | .00005  | -.00041 |

|        |         |         |         |         |        |        |         |        |
|--------|---------|---------|---------|---------|--------|--------|---------|--------|
| 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    | -.00143 | -.00162 | -.00497 | -.00009 | .00030 | .01737 | -.00089 | .00556 |
| Stddev | .00016  | .00008  | .00180  | .00021  | .00037 | .00069 | .00005  | .00037 |
| %RSD   | 11.349  | 4.7149  | 36.221  | 240.57  | 124.87 | 3.9541 | 5.1472  | 6.6494 |

|    |         |         |         |         |         |        |         |        |
|----|---------|---------|---------|---------|---------|--------|---------|--------|
| #1 | -.00127 | -.00165 | -.00705 | .00006  | .00067  | .01665 | -.00088 | .00571 |
| #2 | -.00160 | -.00153 | -.00392 | -.00033 | .00028  | .01742 | -.00086 | .00514 |
| #3 | -.00143 | -.00167 | -.00395 | .00001  | -.00007 | .01802 | -.00095 | .00584 |

|        |        |        |        |        |        |        |         |  |
|--------|--------|--------|--------|--------|--------|--------|---------|--|
| 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    | .00055 | .00057 | .00622 | .00029 | .00120 | .01040 | -.00006 |  |
| Stddev | .00022 | .00013 | .00014 | .00015 | .00053 | .00093 | .00056  |  |
| %RSD   | 40.686 | 22.434 | 2.2780 | 51.247 | 44.172 | 8.9708 | 984.68  |  |

|    |        |        |        |        |        |        |         |  |
|----|--------|--------|--------|--------|--------|--------|---------|--|
| #1 | .00039 | .00043 | .00607 | .00036 | .00181 | .01136 | .00007  |  |
| #2 | .00080 | .00068 | .00636 | .00039 | .00082 | .00950 | .00043  |  |
| #3 | .00045 | .00061 | .00623 | .00012 | .00097 | .01032 | -.00067 |  |

Sample Name: S0      Acquired: 8/9/2018 12:37:30      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S00      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 1928.1 | 3287.5 | 44981. | 5489.7 | 3833.8 |
| Stddev    | 3.5    | 13.9   | 109.   | 33.9   | 11.1   |
| %RSD      | .18057 | .42220 | .24289 | .61740 | .28888 |
| #1        | 1928.1 | 3299.9 | 45089. | 5486.4 | 3843.0 |
| #2        | 1931.6 | 3290.0 | 44982. | 5525.1 | 3836.9 |
| #3        | 1924.6 | 3272.5 | 44871. | 5457.5 | 3821.5 |

Sample Name: S1      Acquired: 8/9/2018 12:41:36      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .00005 | .00066 | .00129 | .00242 | .00674 | .01634 | .49879 | .03536 |
| Stddev | .00011 | .00018 | .00013 | .00009 | .00011 | .00079 | .00039 | .00061 |
| %RSD   | 204.73 | 27.788 | 10.294 | 3.6261 | 1.6715 | 4.8572 | .07841 | 1.7360 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | -.00004 | .00075 | .00140 | .00232 | .00662 | .01630 | .49859 | .03523 |
| #2 | .00017  | .00045 | .00134 | .00247 | .00685 | .01556 | .49925 | .03482 |
| #3 | .00003  | .00079 | .00114 | .00247 | .00675 | .01715 | .49855 | .03603 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .01367 | .21242 | .00117 | .03726 | .00328 | .00155 | .00307 | .02880 |
| Stddev | .00017 | .00183 | .00003 | .00008 | .00067 | .00031 | .00028 | .00055 |
| %RSD   | 1.2163 | .86010 | 2.4861 | .20145 | 20.251 | 19.921 | 9.0830 | 1.9029 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01350 | .21101 | .00114 | .03734 | .00404 | .00144 | .00289 | .02840 |
| #2 | .01369 | .21448 | .00120 | .03724 | .00278 | .00190 | .00339 | .02943 |
| #3 | .01383 | .21176 | .00116 | .03719 | .00303 | .00132 | .00293 | .02858 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .01640 | .00146 | .02863 | .00221 | .00339 | .09832 | .00141 | .00940 |
| Stddev | .00014 | .00010 | .00151 | .00025 | .00050 | .00121 | .00005 | .00088 |
| %RSD   | .84178 | 6.6705 | 5.2758 | 11.368 | 14.621 | 1.2287 | 3.7661 | 9.4143 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01624 | .00135 | .03007 | .00211 | .00388 | .09735 | .00140 | .01033 |
| #2 | .01648 | .00151 | .02706 | .00202 | .00340 | .09967 | .00146 | .00930 |
| #3 | .01647 | .00154 | .02876 | .00249 | .00289 | .09794 | .00136 | .00857 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| 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    | .00701 | .00301 | .05033 | .00094 | .01184 | .06192 | .79130 |  |
| Stddev | .00009 | .00006 | .00138 | .00005 | .00040 | .00275 | .00120 |  |
| %RSD   | 1.3263 | 1.9131 | 2.7481 | 5.8038 | 3.3680 | 4.4426 | .15217 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | .00712 | .00308 | .04904 | .00095 | .01187 | .06233 | .79015 |  |
| #2 | .00696 | .00298 | .05179 | .00099 | .01223 | .06445 | .79255 |  |
| #3 | .00696 | .00297 | .05016 | .00088 | .01144 | .05899 | .79121 |  |

Sample Name: S1      Acquired: 8/9/2018 12:41:36      Type: Cal  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: IR      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: S01      Custom ID2:      Custom ID3:  
 Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 1951.9 | 3224.2 | 45298. | 5489.8 | 3806.5 |
| Stddev    | 14.0   | 5.3    | 107.   | 6.8    | 5.1    |
| %RSD      | .71579 | .16440 | .23721 | .12297 | .13449 |
| #1        | 1968.0 | 3227.4 | 45421. | 5483.1 | 3808.1 |
| #2        | 1943.4 | 3227.1 | 45249. | 5496.6 | 3810.6 |
| #3        | 1944.3 | 3218.1 | 45223. | 5489.7 | 3800.8 |

Sample Name: S2      Acquired: 8/9/2018 12:45:44      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S02      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .02932 | .05567 | .97804 | .06764 | .12258 | 2.4037 | 5.6120 | .78201 |
| Stddev | .00025 | .00027 | .00354 | .00013 | .00049 | .0143  | .0193  | .00598 |
| %RSD   | .85931 | .48962 | .36201 | .19783 | .39787 | .59653 | .34435 | .76450 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02951 | .05579 | .97578 | .06779 | .12225 | 2.3888 | 5.5899 | .77514 |
| #2 | .02904 | .05536 | .97622 | .06752 | .12236 | 2.4174 | 5.6257 | .78487 |
| #3 | .02942 | .05586 | .98212 | .06762 | .12314 | 2.4050 | 5.6205 | .78602 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 1.5336 | 2.4785 | .37704 | .43579 | .29257 | .47075 | .71522 | .32992 |
| Stddev | .0053  | .0099  | .00072 | .00157 | .00124 | .00234 | .00518 | .00068 |
| %RSD   | .34619 | .40049 | .19013 | .35980 | .42385 | .49753 | .72486 | .20475 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.5314 | 2.4676 | .37758 | .43484 | .29130 | .46831 | .70988 | .32917 |
| #2 | 1.5298 | 2.4870 | .37623 | .43494 | .29378 | .47297 | .72024 | .33013 |
| #3 | 1.5397 | 2.4810 | .37732 | .43760 | .29264 | .47098 | .71554 | .33047 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .25047 | .08426 | .21388 | .02670 | .17424 | .59855 | .02621 | .56416 |
| Stddev | .00062 | .00053 | .00189 | .00028 | .00323 | .00750 | .00009 | .00269 |
| %RSD   | .24601 | .62313 | .88237 | 1.0406 | 1.8528 | 1.2525 | .33114 | .47653 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .25004 | .08374 | .21179 | .02638 | .17124 | .59019 | .02617 | .56107 |
| #2 | .25021 | .08426 | .21439 | .02684 | .17765 | .60467 | .02615 | .56548 |
| #3 | .25118 | .08479 | .21547 | .02687 | .17381 | .60080 | .02631 | .56593 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| 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    | .75638 | .02934 | .59107 | .11380 | .25621 | 1.2884 | 9.0897 |  |
| Stddev | .00218 | .00011 | .00334 | .00065 | .00155 | .0031  | .0202  |  |
| %RSD   | .28761 | .36531 | .56527 | .57505 | .60661 | .24009 | .22271 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | .75568 | .02936 | .58818 | .11376 | .25598 | 1.2864 | 9.0663 |  |
| #2 | .75464 | .02923 | .59030 | .11316 | .25478 | 1.2868 | 9.1006 |  |
| #3 | .75882 | .02944 | .59473 | .11447 | .25787 | 1.2920 | 9.1022 |  |

Sample Name: S2      Acquired: 8/9/2018 12:45:44      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S02      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 1875.2 | 3112.4 | 44139. | 5460.2 | 3587.4 |
| Stddev    | 8.2    | 5.9    | 233.   | 27.2   | 7.6    |
| %RSD      | .43730 | .18950 | .52683 | .49882 | .21267 |
| #1        | 1883.6 | 3113.3 | 44402. | 5488.7 | 3592.3 |
| #2        | 1874.6 | 3117.8 | 44052. | 5457.2 | 3591.4 |
| #3        | 1867.3 | 3106.1 | 43962. | 5434.5 | 3578.6 |



Sample Name: S3      Acquired: 8/9/2018 12:49:40      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S03      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .05911 | .11152 | 1.9576 | .13398 | .24443 | 4.8129 | 11.210 | 1.5483 |
| Stddev | .00033 | .00047 | .0074  | .00053 | .00105 | .0024  | .017   | .0062  |
| %RSD   | .55205 | .42056 | .37835 | .39769 | .42799 | .05097 | .14964 | .39858 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .05875 | .11102 | 1.9537 | .13368 | .24334 | 4.8104 | 11.192 | 1.5539 |
| #2 | .05921 | .11160 | 1.9529 | .13366 | .24452 | 4.8130 | 11.216 | 1.5417 |
| #3 | .05938 | .11195 | 1.9661 | .13459 | .24543 | 4.8153 | 11.224 | 1.5494 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 3.0516 | 4.8820 | .74356 | .87248 | .57603 | .92960 | 1.4093 | .65805 |
| Stddev | .0116  | .0134  | .00009 | .00324 | .00096 | .00251 | .0059  | .00122 |
| %RSD   | .38021 | .27508 | .01242 | .37166 | .16679 | .27007 | .42061 | .18605 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.0430 | 4.8787 | .74349 | .87139 | .57714 | .93085 | 1.4095 | .65691 |
| #2 | 3.0471 | 4.8968 | .74366 | .86992 | .57542 | .93124 | 1.4152 | .65934 |
| #3 | 3.0648 | 4.8706 | .74354 | .87612 | .57555 | .92671 | 1.4034 | .65789 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .50100 | .17148 | .43291 | .05220 | .35252 | 1.2020 | .05507 | 1.1278 |
| Stddev | .00193 | .00062 | .00330 | .00112 | .00609 | .0020  | .00029 | .0045  |
| %RSD   | .38447 | .36048 | .76301 | 2.1433 | 1.7290 | .16287 | .52590 | .39432 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .49980 | .17195 | .43010 | .05093 | .34861 | 1.2009 | .05501 | 1.1327 |
| #2 | .49999 | .17170 | .43208 | .05264 | .35954 | 1.2042 | .05539 | 1.1240 |
| #3 | .50322 | .17078 | .43655 | .05304 | .34941 | 1.2008 | .05482 | 1.1266 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| 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    | 1.5148 | .05928 | 1.0964 | .22962 | .50553 | 2.5963 | 18.129 |  |
| Stddev | .0050  | .00023 | .0038  | .00128 | .00078 | .0036  | .042   |  |
| %RSD   | .33227 | .38615 | .34367 | .55711 | .15488 | .13748 | .23273 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | 1.5118 | .05933 | 1.0987 | .22868 | .50619 | 2.5944 | 18.177 |  |
| #2 | 1.5121 | .05904 | 1.0921 | .22910 | .50574 | 2.5941 | 18.108 |  |
| #3 | 1.5206 | .05949 | 1.0985 | .23107 | .50467 | 2.6004 | 18.101 |  |

Sample Name: S3      Acquired: 8/9/2018 12:49:40      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S03      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 1833.0 | 3019.2 | 43593. | 5471.4 | 3441.0 |
| Stddev    | 20.3   | 6.7    | 213.   | 19.2   | 8.6    |
| %RSD      | 1.1051 | .22067 | .48852 | .35048 | .25079 |
| #1        | 1829.8 | 3021.7 | 43496. | 5449.6 | 3443.5 |
| #2        | 1814.6 | 3024.3 | 43447. | 5485.6 | 3448.1 |
| #3        | 1854.7 | 3011.7 | 43838. | 5478.9 | 3431.4 |

Sample Name: S4      Acquired: 8/9/2018 12:53:32      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S04      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .12141 | .22395 | 4.0171 | .26506 | .49692 | 9.8173 | 22.713 | 3.0682 |
| Stddev | .00068 | .00112 | .0190  | .00086 | .00128 | .0136  | .067   | .0114  |
| %RSD   | .55914 | .50181 | .47171 | .32492 | .25793 | .13806 | .29375 | .37070 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .12133 | .22363 | 4.0091 | .26467 | .49626 | 9.8308 | 22.783 | 3.0720 |
| #2 | .12077 | .22302 | 4.0034 | .26446 | .49611 | 9.8175 | 22.707 | 3.0772 |
| #3 | .12212 | .22520 | 4.0387 | .26605 | .49840 | 9.8037 | 22.650 | 3.0554 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 6.1796 | 9.8135 | 1.4822 | 1.7828 | 1.1627 | 1.8510 | 2.8063 | 1.3440 |
| Stddev | .0278  | .0410  | .0050  | .0089  | .0031  | .0060  | .0181  | .0024  |
| %RSD   | .45039 | .41743 | .33712 | .50205 | .26682 | .32290 | .64395 | .17842 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 6.1654 | 9.8462 | 1.4805 | 1.7790 | 1.1632 | 1.8551 | 2.8170 | 1.3448 |
| #2 | 6.1616 | 9.8269 | 1.4782 | 1.7763 | 1.1594 | 1.8538 | 2.8166 | 1.3459 |
| #3 | 6.2116 | 9.7676 | 1.4878 | 1.7930 | 1.1655 | 1.8442 | 2.7855 | 1.3413 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 1.0187 | .34919 | .88392 | .10570 | .71731 | 2.4589 | .11637 | 2.2572 |
| Stddev | .0065  | .00075 | .00381 | .00044 | .00205 | .0061  | .00059 | .0095  |
| %RSD   | .63311 | .21340 | .43108 | .41253 | .28575 | .24925 | .50419 | .42191 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.0151 | .34852 | .88821 | .10575 | .71874 | 2.4643 | .11588 | 2.2616 |
| #2 | 1.0149 | .34907 | .88094 | .10611 | .71496 | 2.4602 | .11622 | 2.2638 |
| #3 | 1.0262 | .34999 | .88260 | .10524 | .71823 | 2.4523 | .11702 | 2.2463 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| 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    | 3.0890 | .12354 | 2.0882 | .47257 | 1.0210 | 5.3700 | 36.669 |  |
| Stddev | .0082  | .00042 | .0104  | .00190 | .0020  | .0128  | .020   |  |
| %RSD   | .26622 | .34297 | .49961 | .40178 | .19968 | .23797 | .05543 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | 3.0848 | .12358 | 2.0945 | .47220 | 1.0230 | 5.3760 | 36.663 |  |
| #2 | 3.0838 | .12309 | 2.0940 | .47089 | 1.0211 | 5.3554 | 36.653 |  |
| #3 | 3.0985 | .12394 | 2.0762 | .47463 | 1.0189 | 5.3787 | 36.692 |  |

Sample Name: S4      Acquired: 8/9/2018 12:53:32      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S04      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 1746.7 | 2857.2 | 42355. | 5338.3 | 3212.3 |
| Stddev    | 6.1    | 5.4    | 165.   | 4.1    | 9.7    |
| %RSD      | .35072 | .19050 | .38924 | .07607 | .30297 |
| #1        | 1751.0 | 2854.1 | 42436. | 5341.0 | 3210.6 |
| #2        | 1749.4 | 2863.5 | 42464. | 5333.7 | 3222.7 |
| #3        | 1739.7 | 2854.1 | 42165. | 5340.4 | 3203.5 |

Sample Name: S5      Acquired: 8/9/2018 12:57:23      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S05      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .25221 | .44072 | 8.1628 | .52692 | 1.0290 | 20.064 | 45.545 | 6.0674 |
| Stddev | .00034 | .00204 | .0306  | .00192 | .0032  | .069   | .210   | .0461  |
| %RSD   | .13514 | .46175 | .37514 | .36426 | .30734 | .34272 | .46209 | .76059 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .25244 | .44036 | 8.1568 | .52818 | 1.0291 | 20.135 | 45.781 | 6.1206 |
| #2 | .25182 | .43889 | 8.1357 | .52471 | 1.0258 | 19.997 | 45.375 | 6.0441 |
| #3 | .25236 | .44291 | 8.1960 | .52786 | 1.0321 | 20.060 | 45.480 | 6.0376 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 12.354 | 19.489 | 2.9034 | 3.5966 | 2.3143 | 3.6270 | 5.4909 | 2.7186 |
| Stddev | .050   | .095   | .0002  | .0151  | .0086  | .0115  | .0220  | .0132  |
| %RSD   | .40820 | .48986 | .00598 | .41914 | .37317 | .31746 | .40135 | .48354 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 12.358 | 19.599 | 2.9033 | 3.5931 | 2.3242 | 3.6388 | 5.5163 | 2.7329 |
| #2 | 12.302 | 19.425 | 2.9033 | 3.5837 | 2.3084 | 3.6157 | 5.4776 | 2.7071 |
| #3 | 12.403 | 19.444 | 2.9036 | 3.6132 | 2.3102 | 3.6265 | 5.4788 | 2.7158 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 2.0426 | .71475 | 1.7906 | .20985 | 1.5053 | 5.1249 | .24279 | 4.4359 |
| Stddev | .0072  | .00207 | .0069  | .00117 | .0062  | .0125  | .00151 | .0272  |
| %RSD   | .35240 | .28968 | .38824 | .55798 | .41148 | .24367 | .62178 | .61412 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.0396 | .71709 | 1.7986 | .21104 | 1.5082 | 5.1389 | .24237 | 4.4674 |
| #2 | 2.0374 | .71401 | 1.7877 | .20870 | 1.5094 | 5.1210 | .24154 | 4.4195 |
| #3 | 2.0508 | .71316 | 1.7856 | .20980 | 1.4981 | 5.1149 | .24447 | 4.4209 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| 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    | 6.3303 | .25861 | 4.0647 | .96278 | 2.0167 | 11.137 | 72.599 |  |
| Stddev | .0160  | .00046 | .0233  | .00435 | .0117  | .053   | 1.001  |  |
| %RSD   | .25261 | .17971 | .57298 | .45203 | .57857 | .47567 | 1.3783 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | 6.3349 | .25871 | 4.0914 | .96472 | 2.0291 | 11.190 | 72.953 |  |
| #2 | 6.3125 | .25810 | 4.0537 | .95780 | 2.0060 | 11.084 | 73.375 |  |
| #3 | 6.3434 | .25901 | 4.0489 | .96583 | 2.0149 | 11.138 | 71.470 |  |

Sample Name: S5      Acquired: 8/9/2018 12:57:23      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S05      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 1607.7 | 2632.1 | 40767. | 5236.8 | 2961.8 |
| Stddev    | 13.2   | 8.2    | 177.   | 25.1   | 11.4   |
| %RSD      | .81851 | .31296 | .43384 | .47862 | .38402 |
| #1        | 1603.2 | 2625.3 | 40715. | 5210.1 | 2956.3 |
| #2        | 1597.4 | 2641.2 | 40621. | 5240.2 | 2974.9 |
| #3        | 1622.5 | 2629.6 | 40964. | 5259.9 | 2954.3 |

Sample Name: S6      Acquired: 8/9/2018 13:01:20      Type: Cal  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: IR      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: S06      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|
| Elem   | Al3961 | Ca3736 | Fe2598 | Mg2790 | Na8183 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 55.059 | 31.048 | 9.8307 | 4.6246 | 5.1895 |
| Stddev | .243   | .112   | .0376  | .0160  | .0176  |
| %RSD   | .44065 | .36065 | .38254 | .34716 | .33985 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 54.924 | 30.982 | 9.7990 | 4.6109 | 5.1828 |
| #2 | 55.339 | 31.177 | 9.8722 | 4.6422 | 5.2095 |
| #3 | 54.914 | 30.985 | 9.8208 | 4.6205 | 5.1762 |

|           |        |
|-----------|--------|
| Int. Std. | Y_3710 |
| Units     | Cts/S  |
| Avg       | 5165.6 |
| Stddev    | 22.0   |
| %RSD      | .42531 |

|    |        |
|----|--------|
| #1 | 5174.5 |
| #2 | 5140.6 |
| #3 | 5181.7 |

Sample Name: ICV      Acquired: 8/9/2018 13:05:27      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: ICV      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.040742 | 1.084392 | 1.033408 | 1.088478 | .9800668 | 2.405178 |
| Stddev | .012688  | .005170  | .003814  | .005390  | .0033576 | .025673  |
| %RSD   | 1.219093 | .4767923 | .3690378 | .4951894 | .3425879 | 1.067393 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.027119 | 1.087834 | 1.030928 | 1.085920 | .9774688 | 2.434452 |
| #2 | 1.042884 | 1.078446 | 1.031498 | 1.084844 | .9788736 | 2.386496 |
| #3 | 1.052221 | 1.086895 | 1.037800 | 1.094671 | .9838580 | 2.394587 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5277712 | .5288014 | .5297616 | 10.36461 | .5336108 | .5206940 |
| Stddev | .0013444 | .0035882 | .0008209 | .02756   | .0021899 | .0006687 |
| %RSD   | .2547223 | .6785606 | .1549614 | .2658870 | .4103985 | .1284163 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5293189 | .5329441 | .5293046 | 10.37252 | .5345772 | .5202138 |
| #2 | .5271012 | .5266648 | .5292710 | 10.33397 | .5351512 | .5204106 |
| #3 | .5268935 | .5267955 | .5307094 | 10.38735 | .5311039 | .5214577 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5411624 | 5.485023 | .5449250 | 5.883026 | .5344558 | .4602484 |
| Stddev | .0037151 | .037731  | .0064186 | .003084  | .0003587 | .0005636 |
| %RSD   | .6864946 | .6878871 | 1.177889 | .0524159 | .0671232 | .1224465 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5415231 | 5.488848 | .5486677 | 5.880948 | .5345033 | .4608736 |
| #2 | .5372801 | 5.520695 | .5375135 | 5.886569 | .5340757 | .4597795 |
| #3 | .5446839 | 5.445525 | .5485937 | 5.881560 | .5347885 | .4600921 |

|        |          |          |          |          |            |            |
|--------|----------|----------|----------|----------|------------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm        |
| Avg    | 10.05047 | .5311930 | .9851890 | 9.503052 | F .0137464 | F 2.612838 |
| Stddev | .35627   | .0046289 | .0084095 | .133767  | .0024173   | .019782    |
| %RSD   | 3.544814 | .8714135 | .8535932 | 1.407617 | 17.58468   | .7570990   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.66502  | .5320239 | .9936037 | 9.621809 | .0118824 | 2.635665 |
| #2 | 10.36769 | .5262050 | .9851784 | 9.529207 | .0128792 | 2.602159 |
| #3 | 10.11870 | .5353502 | .9767847 | 9.358140 | .0164777 | 2.600691 |



Sample Name: ICV      Acquired: 8/9/2018 13:05:27      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: ICV      Custom ID2:      Custom ID3:  
Comment:

|        |            |          |          |            |          |          |
|--------|------------|----------|----------|------------|----------|----------|
| Elem   | Mo2020     | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707   |
| Units  | ppm        | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | F 2.624652 | .0050292 | 2.544609 | F 2.596688 | 2.760053 | .0047410 |
| Stddev | .012050    | .0009248 | .016726  | .013472    | .006927  | .0000814 |
| %RSD   | .4590941   | 18.38921 | .6573153 | .5188262   | .2509835 | 1.716438 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.611215 | .0044282 | 2.563814 | 2.584017 | 2.752611 | .0047849 |
| #2 | 2.628243 | .0060942 | 2.536780 | 2.595208 | 2.761235 | .0046471 |
| #3 | 2.634498 | .0045653 | 2.533234 | 2.610840 | 2.766313 | .0047910 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .0123075 |
| Stddev | .0000623 |
| %RSD   | .5059037 |

|    |          |
|----|----------|
| #1 | .0123041 |
| #2 | .0122471 |
| #3 | .0123714 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1970.619 | 3193.320 | 46116.95 | 5617.710 | 3782.466 |
| Stddev    | 6.602    | 7.560    | 87.44    | 26.466   | 9.659    |
| %RSD      | .3350099 | .2367549 | .1896077 | .4711127 | .2553498 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1970.477 | 3199.233 | 46137.52 | 5592.154 | 3782.312 |
| #2 | 1977.291 | 3195.925 | 46021.06 | 5615.975 | 3792.200 |
| #3 | 1964.090 | 3184.801 | 46192.28 | 5645.000 | 3772.885 |

Sample Name: ICB      Acquired: 8/9/2018 13:09:23      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: ICB      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.002044 | -.003132 | -.001200 | .0012667 | -.001499 | .0064148 | .0000991 |
| Stddev | .005396  | .002180  | .001987  | .0015149 | .001440  | .0136771 | .0001920 |
| %RSD   | 263.9420 | 69.62099 | 165.5450 | 119.5947 | 96.04832 | 213.2134 | 193.6728 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .001767  | -.000615 | -.003449 | .0026731 | -.000275 | .0178143 | .0003204 |
| #2 | -.008219 | -.004445 | -.000469 | -.000337 | -.001137 | -.008751 | -.000023 |
| #3 | .000318  | -.004335 | .000317  | .001464  | -.003085 | .010181  | -.000000 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000471 | -.000028 | -.022891 | .0000185 | -.000172 | .0048772 | .0179643 |
| Stddev | .0000090 | .000074  | .016598  | .0001448 | .000252  | .0029067 | .0113811 |
| %RSD   | 19.14708 | 261.6243 | 72.50938 | 784.6349 | 146.2608 | 59.59721 | 63.35423 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000374 | -.000024 | -.036543 | .0001168 | -.000096 | .0066083 | .0255823 |
| #2 | .0000551 | .000043  | -.027716 | -.000148 | -.000454 | .0015214 | .0048814 |
| #3 | .0000488 | -.000105 | -.004415 | .000086  | .000033  | .0065018 | .0234291 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0012072 | -.026461 | .0003156 | .0005348 | -.264968 | -.001017 | -.014357 |
| Stddev | .0010108 | .033810  | .0003573 | .0001338 | .155574  | .000958  | .005473  |
| %RSD   | 83.73102 | 127.7751 | 113.2124 | 25.02126 | 58.71420 | 94.17029 | 38.12097 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000711 | .011163  | -.000050 | .0006888 | -.421466 | -.000988 | -.010302 |
| #2 | .0015437 | -.036246 | .000332  | .0004696 | -.110335 | -.001990 | -.020582 |
| #3 | .0020069 | -.054299 | .000665  | .0004461 | -.263104 | -.000074 | -.012187 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.131056 | .0004796 | .0095166 | .0001943 | -.000120 | .0001801 | .0022885 |
| Stddev | .134502  | .0012739 | .0009724 | .0002588 | .004228  | .0017322 | .0003870 |
| %RSD   | 102.6296 | 265.6377 | 10.21842 | 133.2227 | 3510.032 | 961.6101 | 16.91241 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.149063 | .0018453 | .0090658 | .0000039 | .003495  | .0017225 | .0019558 |
| #2 | .011543  | .0002700 | .0088513 | .0004890 | -.004770 | .0005119 | .0021965 |
| #3 | -.255647 | -.000677 | .0106326 | .0000900 | .000913  | -.001694 | .0027133 |

Sample Name: ICB      Acquired: 8/9/2018 13:09:23      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: ICB      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.003482 | -.000611 | -.000007 |
| Stddev | .001594  | .001629  | .000061  |
| %RSD   | 45.76962 | 266.5396 | 863.6151 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.005135 | .000968  | -.000044 |
| #2 | -.001955 | -.002287 | .000064  |
| #3 | -.003357 | -.000515 | -.000041 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1954.515 | 3101.608 | 45270.18 | 5502.067 | 3676.032 |
| Stddev    | 18.246   | 9.498    | 147.66   | 8.531    | 5.051    |
| %RSD      | .9335538 | .3062230 | .3261840 | .1550452 | .1373926 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1968.426 | 3107.038 | 45384.50 | 5511.425 | 3676.171 |
| #2 | 1961.264 | 3107.146 | 45322.56 | 5500.050 | 3681.012 |
| #3 | 1933.856 | 3090.641 | 45103.46 | 5494.725 | 3670.914 |

Sample Name: ICSA      Acquired: 8/9/2018 13:13:32      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: ICSA      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.001575 | .0010719 | -.001723 | .0022920 | .0012596 | 248.6996 |
| Stddev | .002875  | .0068136 | .003712  | .0046755 | .0065796 | .4696    |
| %RSD   | 182.4990 | 635.6404 | 215.3804 | 203.9937 | 522.3710 | .1888181 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.002002 | -.006207 | -.006010 | .0051121 | -.006170 | 249.2159 |
| #2 | .001489  | .007298  | .000399  | -.003105 | .003598  | 248.5848 |
| #3 | -.004213 | .002124  | .000440  | .004869  | .006350  | 248.2980 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0060408 | .0010892 | -.000348 | 253.6507 | .0571743 | -.000233 |
| Stddev | .0005297 | .0000728 | .000098  | .7237    | .0007415 | .000315  |
| %RSD   | 8.769027 | 6.679626 | 28.26910 | .2853317 | 1.296888 | 135.2526 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0059674 | .0010519 | -.000405 | 253.9219 | .0577126 | -.000500 |
| #2 | .0066034 | .0010428 | -.000404 | 254.1996 | .0574816 | -.000314 |
| #3 | .0055516 | .0011731 | -.000234 | 252.8305 | .0563285 | .000115  |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.003212 | 106.8661 | .0125710 | 259.2236 | .0045757 | -.000168 |
| Stddev | .010345  | .2936    | .0005933 | .3481    | .0007788 | .000310  |
| %RSD   | 322.0843 | .2747694 | 4.719607 | .1342901 | 17.01967 | 185.2110 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.012836 | 107.0035 | .0122386 | 259.2686 | .0039849 | -.000104 |
| #2 | -.004528 | 107.0660 | .0132560 | 259.5470 | .0042840 | .000106  |
| #3 | .007728  | 106.5290 | .0122184 | 258.8551 | .0054582 | -.000505 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | .0115348 | .0160254 | -.022263 | -.176978 | .0005685 | F .1446236 |
| Stddev | .2152893 | .0037073 | .006901  | .026810  | .0083819 | .0014209   |
| %RSD   | 1866.426 | 23.13410 | 30.99665 | 15.14863 | 1474.479 | .9824703   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2597739 | .0179447 | -.025332 | -.186163 | -.004064 | .1448078 |
| #2 | -.101073 | .0183795 | -.014360 | -.197989 | -.004475 | .1459435 |
| #3 | -.124096 | .0117519 | -.027096 | -.146783 | .010244  | .1431197 |

Sample Name: ICSA      Acquired: 8/9/2018 13:13:32      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: ICSA      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0012961 | .0009705 | -.000041 | -.001343 | -.002079 | .0007173 |
| Stddev | .0006313 | .0039709 | .001023  | .000920  | .001937  | .0007456 |
| %RSD   | 48.71268 | 409.1418 | 2494.102 | 68.51648 | 93.16693 | 103.9321 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0019436 | .0007186 | .000203  | -.001966 | -.003380 | .0015703 |
| #2 | .0006823 | .0050614 | .000838  | -.001776 | .000147  | .0003923 |
| #3 | .0012622 | -.002868 | -.001164 | -.000286 | -.003003 | .0001895 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1090931 |
| Stddev | .0003416 |
| %RSD   | .3131520 |

|    |          |
|----|----------|
| #1 | .1093406 |
| #2 | .1087034 |
| #3 | .1092354 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1827.850 | 2882.202 | 42736.48 | 5365.661 | 3240.628 |
| Stddev    | 12.182   | 4.318    | 36.46    | 11.175   | 6.132    |
| %RSD      | .6664787 | .1498057 | .0853090 | .2082753 | .1892366 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1816.049 | 2886.241 | 42721.41 | 5355.575 | 3247.478 |
| #2 | 1840.380 | 2882.716 | 42778.06 | 5363.734 | 3238.761 |
| #3 | 1827.122 | 2877.651 | 42709.97 | 5377.675 | 3235.647 |

Sample Name: ICSAB      Acquired: 8/9/2018 13:17:37      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: ICSAB      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1044471 | .1119742 | .0500261 | .0563719 | .6326094 | 245.1090 |
| Stddev | .0018636 | .0027976 | .0012287 | .0046485 | .0032947 | .4409    |
| %RSD   | 1.784297 | 2.498423 | 2.456202 | 8.246198 | .5208183 | .1798827 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1030359 | .1134868 | .0508236 | .0613055 | .6289353 | 245.6019 |
| #2 | .1037457 | .1087459 | .0506436 | .0557365 | .6353015 | 244.7520 |
| #3 | .1065597 | .1136898 | .0486111 | .0520738 | .6335915 | 244.9731 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5483856 | .5449784 | 1.084228 | 250.9704 | .6038839 | .5375460 |
| Stddev | .0019601 | .0023158 | .003451  | .9144    | .0010702 | .0008819 |
| %RSD   | .3574245 | .4249358 | .3183287 | .3643548 | .1772133 | .1640582 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5497824 | .5475797 | 1.081711 | 251.9679 | .6040938 | .5366962 |
| #2 | .5461450 | .5431413 | 1.082811 | 250.1719 | .6048335 | .5374849 |
| #3 | .5492296 | .5442141 | 1.088163 | 250.7714 | .6027243 | .5384568 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5359399 | 105.5114 | .5621067 | 256.7210 | 1.094082 | .1747162 |
| Stddev | .0034494 | .4584    | .0079311 | .5705    | .002759  | .0012921 |
| %RSD   | .6436192 | .4344546 | 1.410965 | .2222196 | .2521763 | .7395639 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5393518 | 106.0407 | .5625492 | 257.1973 | 1.091973 | .1734365 |
| #2 | .5324542 | 105.2474 | .5539636 | 256.0888 | 1.093068 | .1746917 |
| #3 | .5360135 | 105.2460 | .5698074 | 256.8770 | 1.097205 | .1760204 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | -.059337 | .5448801 | 1.006433 | -.265231 | .0101723 | F .1411351 |
| Stddev | .190361  | .0106636 | .036729  | .077710  | .0024253 | .0008107   |
| %RSD   | 320.8101 | 1.957046 | 3.649416 | 29.29912 | 23.84240 | .5743808   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .158287  | .5468558 | .970141  | -.326031 | .0124704 | .1410406 |
| #2 | -.141379 | .5333668 | 1.005575 | -.177678 | .0104093 | .1403758 |
| #3 | -.194921 | .5544176 | 1.043584 | -.291983 | .0076372 | .1419888 |

Sample Name: ICSAB      Acquired: 8/9/2018 13:17:37      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: ICSAB      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0028873 | -.003276 | .0001708 | -.005357 | -.002222 | .0017640 |
| Stddev | .0004681 | .003631  | .0010269 | .000467  | .000951  | .0010632 |
| %RSD   | 16.21262 | 110.8248 | 601.2144 | 8.708949 | 42.79494 | 60.27533 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0034056 | .000560  | .0012457 | -.005624 | -.002081 | .0012062 |
| #2 | .0027612 | -.003728 | -.000800 | -.005628 | -.001350 | .0010957 |
| #3 | .0024952 | -.006660 | .000067  | -.004818 | -.003236 | .0029900 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1078698 |
| Stddev | .0000559 |
| %RSD   | .0518465 |

|    |          |
|----|----------|
| #1 | .1078168 |
| #2 | .1078644 |
| #3 | .1079283 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1832.759 | 2895.529 | 42831.03 | 5373.109 | 3265.722 |
| Stddev    | 19.048   | 6.396    | 230.83   | 42.166   | 3.835    |
| %RSD      | 1.039298 | .2209005 | .5389425 | .7847653 | .1174382 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1854.021 | 2899.174 | 43092.23 | 5327.934 | 3266.060 |
| #2 | 1827.006 | 2899.268 | 42654.44 | 5379.968 | 3269.377 |
| #3 | 1817.252 | 2888.143 | 42746.43 | 5411.426 | 3261.729 |

Sample Name: CCV084      Acquired: 8/9/2018 13:21:36      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCV084      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.090515 | 5.040628 | 25.23088 | 4.980925 | 5.079137 | 412.3802 | 10.12192 |
| Stddev | .026836  | .005428  | .06223   | .008580  | .020841  | .4487    | .00538   |
| %RSD   | .5271817 | .1076762 | .2466552 | .1722590 | .4103246 | .1088146 | .0531676 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.075869 | 5.035846 | 25.18335 | 4.971057 | 5.063987 | 411.8705 | 10.11729 |
| #2 | 5.074188 | 5.039510 | 25.20797 | 4.985092 | 5.070520 | 412.5542 | 10.12782 |
| #3 | 5.121488 | 5.046527 | 25.30132 | 4.986626 | 5.102905 | 412.7158 | 10.12065 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4994348 | 2.539910 | 411.4208 | 15.39633 | 2.565664 | 15.39650 | 417.8259 |
| Stddev | .0005267 | .007727  | .4185    | .01898   | .009896  | .01289   | .8504    |
| %RSD   | .1054515 | .3042399 | .1017169 | .1232532 | .3857083 | .0837197 | .2035305 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4991908 | 2.535862 | 411.4715 | 15.41495 | 2.557382 | 15.40317 | 417.3739 |
| #2 | .5000392 | 2.535049 | 411.8117 | 15.39703 | 2.562987 | 15.40470 | 418.8069 |
| #3 | .4990743 | 2.548821 | 410.9793 | 15.37701 | 2.576623 | 15.38165 | 417.2971 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 14.93967 | 412.0702 | 2.575761 | 1.262779 | 408.2810 | 2.499813 | 14.82573 |
| Stddev | .03601   | .3120    | .009881  | .004455  | .4456    | .000308  | .15447   |
| %RSD   | .2410222 | .0757264 | .3836090 | .3527705 | .1091506 | .0123240 | 1.041922 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 14.94399 | 412.0843 | 2.567305 | 1.267780 | 407.7693 | 2.499769 | 14.89393 |
| #2 | 14.97332 | 412.3749 | 2.573356 | 1.261319 | 408.5837 | 2.500141 | 14.93437 |
| #3 | 14.90170 | 411.7513 | 2.586623 | 1.259237 | 408.4901 | 2.499529 | 14.64890 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 152.8053 | 5.300228 | 5.272674 | 5.094258 | 5.254945 | 4.832514 | 5.195573 |
| Stddev | .1628    | .008930  | .013500  | .022049  | .011549  | .019177  | .024560  |
| %RSD   | .1065232 | .1684820 | .2560348 | .4328302 | .2197709 | .3968351 | .4727074 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 152.6210 | 5.291630 | 5.283605 | 5.076921 | 5.242895 | 4.852255 | 5.177729 |
| #2 | 152.9293 | 5.299597 | 5.276833 | 5.086778 | 5.256022 | 4.831332 | 5.185405 |
| #3 | 152.8657 | 5.309456 | 5.257584 | 5.119074 | 5.265917 | 4.813955 | 5.223584 |



Sample Name: CCV084      Acquired: 8/9/2018 13:21:36      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: CCV084      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 5.099163 | 5.224013 | 5.134373 |
| Stddev | .001969  | .012841  | .009919  |
| %RSD   | .0386164 | .2458118 | .1931926 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 5.100494 | 5.209201 | 5.141058 |
| #2 | 5.100093 | 5.232013 | 5.139085 |
| #3 | 5.096901 | 5.230826 | 5.122976 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1724.721 | 2731.629 | 42223.26 | 5395.820 | 3024.383 |
| Stddev    | 6.886    | 7.035    | 62.46    | 7.832    | 5.596    |
| %RSD      | .3992585 | .2575514 | .1479383 | .1451548 | .1850429 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1719.566 | 2735.987 | 42151.20 | 5388.100 | 3027.336 |
| #2 | 1722.056 | 2735.387 | 42262.00 | 5403.760 | 3027.885 |
| #3 | 1732.541 | 2723.513 | 42256.58 | 5395.600 | 3017.929 |

Sample Name: CCB084      Acquired: 8/9/2018 13:25:25      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCB084      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0015235 | -.000951 | -.000114 | .0050555 | -.001455 | .0006932 | -.000781 |
| Stddev | .0028113 | .000191  | .001071  | .0022580 | .000986  | .0058925 | .000274  |
| %RSD   | 184.5237 | 20.10580 | 942.4805 | 44.66383 | 67.74319 | 849.9935 | 35.09739 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.001722 | -.001040 | .001088  | .0031036 | -.001911 | -.004613 | -.000612 |
| #2 | .003188  | -.000732 | -.000464 | .0075284 | -.002131 | -.000342 | -.000633 |
| #3 | .003105  | -.001082 | -.000965 | .0045343 | -.000324 | .007035  | -.001097 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000040 | -.000033 | -.004241 | .0000677 | -.000329 | .0016050 | .0220115 |
| Stddev | .000084  | .000093  | .018237  | .0006999 | .000218  | .0015434 | .0253929 |
| %RSD   | 211.2378 | 279.5839 | 430.0250 | 1034.357 | 66.29896 | 96.16605 | 115.3619 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .000001  | -.000066 | -.017032 | -.000690 | -.000418 | .0018264 | -.001264 |
| #2 | -.000136 | -.000106 | .016641  | .000690  | -.000487 | -.000037 | .049092  |
| #3 | .000016  | .000072  | -.012332 | .000204  | -.000080 | .003026  | .018206  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000086 | .0279724 | -.000053 | .0006465 | -.127728 | -.001254 | -.010324 |
| Stddev | .0011689 | .0381958 | .000172  | .0001594 | .048949  | .000379  | .005626  |
| %RSD   | 13531.61 | 136.5480 | 328.2360 | 24.65457 | 38.32256 | 30.20151 | 54.49385 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0010059 | .0407434 | .000051  | .0006751 | -.139587 | -.000841 | -.005389 |
| #2 | .0002976 | -.014973 | -.000251 | .0004748 | -.073940 | -.001336 | -.016450 |
| #3 | -.001278 | .058146  | .000043  | .0007897 | -.169658 | -.001585 | -.009132 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.130872 | -.001094 | .0096247 | .0000059 | -.001401 | .0001479 | .0010597 |
| Stddev | .023701  | .001671  | .0004357 | .0001813 | .002723  | .0012790 | .0004482 |
| %RSD   | 18.11035 | 152.8080 | 4.527013 | 3071.847 | 194.3292 | 864.8591 | 42.29166 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.149571 | -.001183 | .0095055 | .0000008 | -.001303 | .0008217 | .0005427 |
| #2 | -.104216 | .000620  | .0101076 | .0001897 | -.004172 | -.001327 | .0012992 |
| #3 | -.138829 | -.002718 | .0092609 | -.000173 | .001271  | .000949  | .0013373 |

Sample Name: CCB084      Acquired: 8/9/2018 13:25:25      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: CCB084      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000640 | -.001820 | -.000028 |
| Stddev | .000187  | .001035  | .000116  |
| %RSD   | 29.25776 | 56.89061 | 412.8538 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000855 | -.001460 | -.000118 |
| #2 | -.000540 | -.001013 | .000103  |
| #3 | -.000523 | -.002987 | -.000069 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1988.000 | 3159.764 | 46312.44 | 5665.917 | 3746.526 |
| Stddev    | 8.853    | 8.816    | 254.90   | 25.855   | 12.333   |
| %RSD      | .4453029 | .2790193 | .5503874 | .4563327 | .3291748 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1994.937 | 3167.088 | 46565.82 | 5695.150 | 3757.400 |
| #2 | 1991.032 | 3162.225 | 46315.46 | 5646.050 | 3749.051 |
| #3 | 1978.029 | 3149.979 | 46056.05 | 5656.550 | 3733.126 |

Sample Name: PB111836BL      Acquired: 8/9/2018 14:04:44      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: PBS002      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0018444 | -.005106 | -.000651 | .0016729 | -.002714 | .0042292 | -.001718 |
| Stddev | .0017373 | .003332  | .002765  | .0043526 | .001238  | .0075311 | .001048  |
| %RSD   | 94.19288 | 65.27156 | 424.7416 | 260.1829 | 45.63860 | 178.0726 | 60.99986 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0013786 | -.006121 | .001330  | .0048363 | -.004044 | -.002984 | -.000821 |
| #2 | .0003875 | -.007812 | -.003810 | .0034735 | -.001594 | .012042  | -.002870 |
| #3 | .0037672 | -.001384 | .000527  | -.003291 | -.002504 | .003630  | -.001462 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000036 | .0000284 | -.000010 | .0004041 | -.000317 | .0044276 | .0230911 |
| Stddev | .0000323 | .0001321 | .008095  | .0000988 | .000262  | .0047486 | .0252605 |
| %RSD   | 888.3931 | 465.3960 | 84664.25 | 24.43694 | 82.77908 | 107.2504 | 109.3950 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000340 | .0000015 | -.008855 | .0003016 | -.000261 | -.001020 | -.004090 |
| #2 | .0000072 | -.000088 | .001795  | .0004987 | -.000087 | .007692  | .045846  |
| #3 | -.000030 | .000172  | .007030  | .0004121 | -.000602 | .006611  | .027518  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000228 | .0582545 | .0000100 | .0009928 | -.379566 | .0037027 | -.023305 |
| Stddev | .000957  | .0580974 | .0008590 | .0004156 | .074702  | .0062166 | .010257  |
| %RSD   | 420.4993 | 99.73035 | 8609.707 | 41.86125 | 19.68090 | 167.8946 | 44.01234 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .000877  | -.004467 | .0000334 | .0014693 | -.326625 | .0089265 | -.013064 |
| #2 | -.000797 | .110226  | -.000861 | .0007052 | -.465014 | -.003173 | -.033578 |
| #3 | -.000762 | .069005  | .000857  | .0008040 | -.347059 | .005355  | -.023273 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.147242 | -.003892 | -.005721 | -.000071 | -.004670 | -.001973 | -.001155 |
| Stddev | .063613  | .001791  | .001081  | .000177  | .002553  | .001926  | .000201  |
| %RSD   | 43.20273 | 46.00734 | 18.90258 | 248.4683 | 54.66878 | 97.65114 | 17.39218 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.134846 | -.005377 | -.005461 | -.000076 | -.001925 | .000083  | -.001352 |
| #2 | -.090740 | -.001904 | -.004793 | -.000246 | -.006974 | -.002264 | -.000951 |
| #3 | -.216140 | -.004395 | -.006908 | .000108  | -.005111 | -.003737 | -.001163 |

Sample Name: PB111836BL      Acquired: 8/9/2018 14:04:44      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: PBS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0006663 | -.003883 | -.000051 |
| Stddev | .0024313 | .000724  | .000105  |
| %RSD   | 364.9128 | 18.65042 | 206.9166 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.002141 | -.004655 | -.000168 |
| #2 | .002024  | -.003219 | .000034  |
| #3 | .002116  | -.003775 | -.000018 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1937.718 | 2996.844 | 45407.72 | 5512.817 | 3610.072 |
| Stddev    | 25.370   | 5.582    | 408.92   | 22.054   | 9.652    |
| %RSD      | 1.309290 | .1862518 | .9005517 | .4000439 | .2673642 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1921.089 | 3000.867 | 45028.66 | 5495.125 | 3607.801 |
| #2 | 1925.145 | 2999.195 | 45353.43 | 5537.525 | 3620.657 |
| #3 | 1966.919 | 2990.472 | 45841.07 | 5505.800 | 3601.758 |

Sample Name: J4306-01      Acquired: 8/9/2018 14:13:01      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GD6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2433569 | -.000129 | 3.425195 | .0143258 | .0177798 | 69.94944 | 1.522654 |
| Stddev | .0060868 | .003838  | .017523  | .0030034 | .0023444 | .06749   | .002862  |
| %RSD   | 2.501181 | 2972.087 | .5116038 | 20.96489 | 13.18577 | .0964871 | .1879900 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2443839 | -.001966 | 3.423638 | .0148006 | .0197727 | 69.92446 | 1.524686 |
| #2 | .2368219 | .004282  | 3.408502 | .0170636 | .0183701 | 70.02586 | 1.523896 |
| #3 | .2488648 | -.002704 | 3.443445 | .0111134 | .0151967 | 69.89800 | 1.519381 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0057915 | .1165074 | 373.2652 | .0946764 | .0662671 | 2.711678 | 143.8868 |
| Stddev | .0000252 | .0007102 | .9984    | .0009381 | .0005396 | .008421  | .2680    |
| %RSD   | .4348883 | .6095794 | .2674685 | .9908534 | .8143415 | .3105620 | .1862652 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0057669 | .1162951 | 374.1853 | .0956169 | .0659062 | 2.718954 | 143.7364 |
| #2 | .0057903 | .1159276 | 373.4067 | .0937407 | .0660076 | 2.702453 | 143.7279 |
| #3 | .0058173 | .1172996 | 372.2037 | .0946715 | .0668875 | 2.713626 | 144.1963 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.942689 | 62.50124 | .0861739 | .0162825 | 1.394301 | .2972703 | 3.419172 |
| Stddev | .015351  | .16097   | .0008308 | .0004596 | .063747  | .0103208 | .008635  |
| %RSD   | .3105793 | .2575417 | .9641229 | 2.822955 | 4.571972 | 3.471866 | .2525422 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.958437 | 62.31717 | .0852210 | .0157927 | 1.376394 | .3091694 | 3.414617 |
| #2 | 4.927768 | 62.57093 | .0867466 | .0163502 | 1.341422 | .2907485 | 3.429131 |
| #3 | 4.941863 | 62.61562 | .0865542 | .0167045 | 1.465086 | .2918929 | 3.413769 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 27.78355 | 11.35326 | .2558612 | .0133749 | 9.187775 | 3.693344 | .0224701 |
| Stddev | .09844   | .07583   | .0015421 | .0007101 | .068607  | .011921  | .0025137 |
| %RSD   | .3543034 | .6678951 | .6027052 | 5.309413 | .7467156 | .3227626 | 11.18709 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 27.81197 | 11.28103 | .2555138 | .0131271 | 9.120469 | 3.702888 | .0200166 |
| #2 | 27.86464 | 11.34652 | .2545225 | .0128220 | 9.185243 | 3.697163 | .0250400 |
| #3 | 27.67402 | 11.43224 | .2575474 | .0141758 | 9.257612 | 3.679982 | .0223537 |

Sample Name: J4306-01      Acquired: 8/9/2018 14:13:01      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GD6      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.420863 | .1368908 | 1.444563 |
| Stddev | .010123  | .0021181 | .002068  |
| %RSD   | .4181566 | 1.547276 | .1431795 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.430891 | .1379519 | 1.446599 |
| #2 | 2.421049 | .1344519 | 1.444625 |
| #3 | 2.410648 | .1382686 | 1.442464 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2032.096 | 3144.221 | 48399.93 | 6096.102 | 3344.392 |
| Stddev    | 8.176    | 11.210   | 132.89   | 7.773    | 14.556   |
| %RSD      | .4023334 | .3565232 | .2745706 | .1275084 | .4352327 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2031.736 | 3145.982 | 48321.92 | 6087.999 | 3351.410 |
| #2 | 2040.446 | 3154.446 | 48553.37 | 6096.811 | 3354.109 |
| #3 | 2024.107 | 3132.235 | 48324.49 | 6103.496 | 3327.656 |

Sample Name: J4306-02      Acquired: 8/9/2018 14:17:00      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GD7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1465903 | -.004120 | 2.520028 | .0137253 | .0216214 | 80.97596 | 1.737972 |
| Stddev | .0029127 | .002667  | .007781  | .0034797 | .0024035 | .36607   | .003406  |
| %RSD   | 1.986943 | 64.73543 | .3087829 | 25.35247 | 11.11646 | .4520677 | .1959560 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1488692 | -.004675 | 2.511114 | .0158050 | .0241262 | 81.35437 | 1.741881 |
| #2 | .1433088 | -.006465 | 2.523502 | .0156627 | .0214038 | 80.94987 | 1.736389 |
| #3 | .1475930 | -.001219 | 2.525466 | .0097081 | .0193340 | 80.62363 | 1.735646 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0060374 | .0834257 | 592.1774 | .0929107 | .0601500 | 2.687924 | 130.8224 |
| Stddev | .0001365 | .0001986 | 2.2721   | .0004745 | .0000791 | .014727  | .4090    |
| %RSD   | 2.261410 | .2380928 | .3836841 | .5106787 | .1314964 | .5478828 | .3126469 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0061324 | .0835032 | 593.1843 | .0933264 | .0602179 | 2.672571 | 130.9672 |
| #2 | .0058809 | .0832000 | 593.7721 | .0930119 | .0601691 | 2.689270 | 131.1393 |
| #3 | .0060987 | .0835739 | 589.5759 | .0923938 | .0600632 | 2.701932 | 130.3606 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.883729 | 82.69604 | .0957319 | .0258232 | 2.409643 | .2187053 | 2.000793 |
| Stddev | .023595  | .17906   | .0004659 | .0000991 | .095824  | .0096956 | .022451  |
| %RSD   | .4831306 | .2165317 | .4866833 | .3838395 | 3.976669 | 4.433162 | 1.122092 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.877035 | 82.56311 | .0957757 | .0259282 | 2.516172 | .2076692 | 1.991775 |
| #2 | 4.909947 | 82.89966 | .0952456 | .0257313 | 2.382279 | .2258534 | 2.026351 |
| #3 | 4.864204 | 82.62537 | .0961744 | .0258101 | 2.330478 | .2225934 | 1.984254 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 25.36110 | 9.987176 | .2696348 | .0072629 | 10.78382 | 2.213791 | .0354345 |
| Stddev | .28868   | .051262  | .0012566 | .0005412 | .03874   | .003510  | .0012425 |
| %RSD   | 1.138286 | .5132831 | .4660471 | 7.450988 | .3592831 | .1585639 | 3.506408 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 25.56991 | 9.949214 | .2682261 | .0066757 | 10.74537 | 2.217729 | .0341144 |
| #2 | 25.48172 | 9.966825 | .2706405 | .0077417 | 10.78322 | 2.210992 | .0356078 |
| #3 | 25.03167 | 10.04549 | .2700378 | .0073711 | 10.82286 | 2.212651 | .0365812 |



Sample Name: J4306-02      Acquired: 8/9/2018 14:17:00      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GD7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.968816 | .1756596 | 2.152760 |
| Stddev | .018044  | .0013202 | .002870  |
| %RSD   | .9164648 | .7515819 | .1333152 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.947987 | .1764038 | 2.150005 |
| #2 | 1.978796 | .1741353 | 2.152542 |
| #3 | 1.979665 | .1764398 | 2.155733 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1979.706 | 3075.044 | 47489.73 | 6066.164 | 3239.231 |
| Stddev    | 6.784    | 15.656   | 212.09   | 21.782   | 9.643    |
| %RSD      | .3426828 | .5091467 | .4466012 | .3590800 | .2976870 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1978.038 | 3084.672 | 47287.33 | 6045.055 | 3245.955 |
| #2 | 1973.911 | 3083.480 | 47471.54 | 6064.875 | 3243.555 |
| #3 | 1987.169 | 3056.978 | 47710.33 | 6088.563 | 3228.183 |

Sample Name: J4306-03      Acquired: 8/9/2018 14:20:59      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GD8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0925297 | -.003039 | 1.015574 | .0102225 | .0117112 | 52.73091 | 1.340185 |
| Stddev | .0077795 | .002702  | .005883  | .0024570 | .0019779 | .09474   | .002594  |
| %RSD   | 8.407588 | 88.88983 | .5793015 | 24.03514 | 16.88878 | .1796609 | .1935456 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0859881 | -.005942 | 1.012120 | .0084419 | .0134341 | 52.83377 | 1.340727 |
| #2 | .0904688 | -.002579 | 1.012235 | .0130257 | .0121480 | 52.71172 | 1.342465 |
| #3 | .1011322 | -.000597 | 1.022367 | .0092001 | .0095514 | 52.64723 | 1.337363 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0041702 | .0476158 | 553.6809 | .0640275 | .0379750 | 1.556526 | 81.74493 |
| Stddev | .0001360 | .0002206 | 1.2553   | .0003791 | .0005740 | .012578  | .20282   |
| %RSD   | 3.261347 | .4632940 | .2267161 | .5920820 | 1.511399 | .8080882 | .2481167 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0041330 | .0476890 | 554.7181 | .0637735 | .0380162 | 1.549321 | 81.72413 |
| #2 | .0043209 | .0473679 | 554.0392 | .0644633 | .0373815 | 1.571050 | 81.95735 |
| #3 | .0040567 | .0477905 | 552.2854 | .0638458 | .0385272 | 1.549207 | 81.55330 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.233110 | 70.91673 | .0640722 | .0124735 | 1.646628 | .1550528 | 1.555322 |
| Stddev | .013938  | .25439   | .0007949 | .0003070 | .217947  | .0025691 | .034016  |
| %RSD   | .4311068 | .3587156 | 1.240632 | 2.461222 | 13.23595 | 1.656901 | 2.187072 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.244377 | 71.19549 | .0632291 | .0125148 | 1.712970 | .1539870 | 1.517922 |
| #2 | 3.217524 | 70.85757 | .0648080 | .0121480 | 1.403220 | .1531882 | 1.563627 |
| #3 | 3.237429 | 70.69714 | .0641797 | .0127578 | 1.823695 | .1579833 | 1.584416 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 19.55830 | 9.281649 | .2054043 | .0043309 | 9.968201 | 10.26893 | .0078036 |
| Stddev | .10903   | .035838  | .0003598 | .0002293 | .045641  | .08443   | .0017972 |
| %RSD   | .5574799 | .3861151 | .1751922 | 5.294979 | .4578638 | .8222012 | 23.03026 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 19.64938 | 9.268791 | .2054995 | .0044310 | 9.944157 | 10.33191 | .0089887 |
| #2 | 19.58804 | 9.254014 | .2057070 | .0040685 | 9.939609 | 10.30188 | .0086864 |
| #3 | 19.43749 | 9.322142 | .2050064 | .0044932 | 10.02084 | 10.17299 | .0057357 |

Sample Name: J4306-03      Acquired: 8/9/2018 14:20:59      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GD8      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.297991 | .1323540 | 2.045732 |
| Stddev | .004724  | .0001561 | .003635  |
| %RSD   | .3639696 | .1179734 | .1776846 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.298282 | .1321789 | 2.044620 |
| #2 | 1.302563 | .1324043 | 2.049793 |
| #3 | 1.293128 | .1324788 | 2.042783 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1956.667 | 3047.315 | 46804.25 | 5899.474 | 3310.316 |
| Stddev    | 12.753   | 8.763    | 110.85   | 23.226   | 13.497   |
| %RSD      | .6517962 | .2875557 | .2368434 | .3936883 | .4077335 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1971.392 | 3048.356 | 46929.52 | 5890.044 | 3317.560 |
| #2 | 1949.142 | 3055.510 | 46718.83 | 5882.447 | 3318.644 |
| #3 | 1949.467 | 3038.078 | 46764.39 | 5925.931 | 3294.743 |

Sample Name: J4306-04      Acquired: 8/9/2018 14:25:00      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GD8D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0881229 | -.003915 | 1.026705 | .0088349 | .0111151 | 53.44347 | 1.358292 |
| Stddev | .0088392 | .004756  | .006088  | .0024331 | .0029747 | .05789   | .000873  |
| %RSD   | 10.03055 | 121.4842 | .5929221 | 27.53937 | 26.76223 | .1083277 | .0642421 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0929130 | -.001994 | 1.025673 | .0115268 | .0096234 | 53.40817 | 1.357356 |
| #2 | .0779225 | -.009331 | 1.021200 | .0067925 | .0091815 | 53.51028 | 1.358438 |
| #3 | .0935331 | -.000420 | 1.033243 | .0081853 | .0145405 | 53.41195 | 1.359083 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0042012 | .0476649 | 561.5572 | .0644919 | .0383539 | 1.563170 | 82.68179 |
| Stddev | .0000726 | .0003754 | .4955    | .0001460 | .0004984 | .006695  | .11288   |
| %RSD   | 1.727901 | .7876285 | .0882393 | .2263954 | 1.299503 | .4283170 | .1365189 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0042812 | .0473340 | 561.0763 | .0646555 | .0377815 | 1.560051 | 82.55415 |
| #2 | .0041829 | .0475878 | 561.5291 | .0643747 | .0386921 | 1.570856 | 82.76847 |
| #3 | .0041395 | .0480729 | 562.0662 | .0644455 | .0385880 | 1.558604 | 82.72276 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.264001 | 71.73252 | .0643863 | .0124265 | 1.573711 | .1560909 | 1.594499 |
| Stddev | .012489  | .24526   | .0003774 | .0004685 | .256612  | .0092626 | .049147  |
| %RSD   | .3826423 | .3419130 | .5862316 | 3.769821 | 16.30619 | 5.934126 | 3.082269 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.267606 | 71.56752 | .0644892 | .0122751 | 1.462292 | .1455223 | 1.615026 |
| #2 | 3.274291 | 72.01436 | .0647015 | .0120525 | 1.867200 | .1599520 | 1.630055 |
| #3 | 3.250105 | 71.61569 | .0639680 | .0129520 | 1.391640 | .1627984 | 1.538417 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 19.90885 | 9.353416 | .2062235 | .0041155 | 10.01927 | 9.946106 | .0076987 |
| Stddev | .07285   | .065503  | .0026926 | .0000710 | .05032   | .085576  | .0016172 |
| %RSD   | .3658947 | .7003114 | 1.305645 | 1.725856 | .5022815 | .8603962 | 21.00570 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 19.97294 | 9.304502 | .2032558 | .0040336 | 9.98984  | 9.856968 | .0094352 |
| #2 | 19.82963 | 9.327911 | .2085102 | .0041523 | 9.99059  | 10.02761 | .0062358 |
| #3 | 19.92397 | 9.427835 | .2069044 | .0041606 | 10.07738 | 9.95374  | .0074252 |

Sample Name: J4306-04      Acquired: 8/9/2018 14:25:00      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GD8D      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.301372 | .1327065 | 2.068299 |
| Stddev | .002980  | .0016799 | .002420  |
| %RSD   | .2289554 | 1.265855 | .1169892 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.297938 | .1311398 | 2.066628 |
| #2 | 1.303270 | .1324994 | 2.067196 |
| #3 | 1.302909 | .1344803 | 2.071074 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1970.101 | 3107.077 | 47098.50 | 5977.867 | 3363.616 |
| Stddev    | 13.932   | 8.861    | 16.45    | 5.133    | 9.910    |
| %RSD      | .7071935 | .2851778 | .0349316 | .0858735 | .2946356 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1980.077 | 3112.908 | 47110.66 | 5977.475 | 3368.618 |
| #2 | 1954.182 | 3111.443 | 47105.06 | 5983.185 | 3370.028 |
| #3 | 1976.043 | 3096.880 | 47079.78 | 5972.941 | 3352.201 |

Sample Name: J4306-05      Acquired: 8/9/2018 14:29:01      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GD8S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1812689 | .1153072 | 1.030172 | .1339573 | .2486262 | 55.87737 | 6.023072 |
| Stddev | .0037089 | .0014445 | .010143  | .0011060 | .0006057 | .37391   | .025973  |
| %RSD   | 2.046092 | 1.252705 | .9845688 | .8256368 | .2436341 | .6691689 | .4312191 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1779756 | .1169671 | 1.029497 | .1326819 | .2486288 | 55.90173 | 6.029390 |
| #2 | .1805446 | .1143359 | 1.020383 | .1346519 | .2480191 | 55.49188 | 5.994524 |
| #3 | .1852866 | .1146186 | 1.040635 | .1345380 | .2492306 | 56.23851 | 6.045304 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1198340 | .1687436 | 538.5647 | .5227567 | 1.274199 | 2.111851 | 81.95313 |
| Stddev | .0005247 | .0007162 | 2.1879   | .0018562 | .004541  | .010544  | .45959   |
| %RSD   | .4378220 | .4244609 | .4062443 | .3550691 | .3563764 | .4992858 | .5607965 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1203968 | .1683679 | 539.6463 | .5206263 | 1.272388 | 2.102862 | 81.83603 |
| #2 | .1193584 | .1682934 | 536.0467 | .5240256 | 1.270843 | 2.123457 | 81.56342 |
| #3 | .1197467 | .1695696 | 540.0012 | .5236181 | 1.279366 | 2.109233 | 82.45994 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.316203 | 69.04704 | 1.315025 | .1213199 | 1.470652 | 1.332234 | 2.658815 |
| Stddev | .024745  | .36836   | .004702  | .0007964 | .226308  | .017458  | .036217  |
| %RSD   | .5732937 | .5334983 | .3575487 | .6564081 | 15.38827 | 1.310395 | 1.362149 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.317917 | 68.83597 | 1.311118 | .1216970 | 1.731835 | 1.315173 | 2.631501 |
| #2 | 4.290647 | 68.83277 | 1.313713 | .1218577 | 1.332787 | 1.331466 | 2.645047 |
| #3 | 4.340046 | 69.47239 | 1.320244 | .1204051 | 1.347334 | 1.350063 | 2.699897 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 19.19877 | 9.024684 | .2014802 | .0039249 | 9.665432 | 10.11977 | .0089222 |
| Stddev | .13105   | .056978  | .0033196 | .0001927 | .043517  | .03149   | .0003857 |
| %RSD   | .6825965 | .6313531 | 1.647629 | 4.910226 | .4502352 | .3111430 | 4.322588 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 19.29069 | 8.972702 | .1992765 | .0039986 | 9.627853 | 10.15452 | .0087661 |
| #2 | 19.04870 | 9.015749 | .1998659 | .0037062 | 9.655332 | 10.11164 | .0086389 |
| #3 | 19.25691 | 9.085601 | .2052983 | .0040699 | 9.713111 | 10.09314 | .0093614 |

Sample Name: J4306-05      Acquired: 8/9/2018 14:29:01      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GD8S      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.257164 | .1280596 | 1.986000 |
| Stddev | .006750  | .0005720 | .003043  |
| %RSD   | .5369595 | .4466333 | .1532352 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.257621 | .1282302 | 1.987439 |
| #2 | 1.263674 | .1274218 | 1.982504 |
| #3 | 1.250197 | .1285269 | 1.988057 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1949.288 | 3043.999 | 46529.88 | 5900.445 | 3322.375 |
| Stddev    | 7.011    | 8.886    | 170.52   | 16.568   | 8.376    |
| %RSD      | .3596577 | .2919098 | .3664637 | .2807839 | .2521095 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1948.366 | 3043.525 | 46629.37 | 5881.470 | 3325.383 |
| #2 | 1956.713 | 3053.112 | 46627.27 | 5907.824 | 3328.832 |
| #3 | 1942.783 | 3035.360 | 46332.98 | 5912.041 | 3312.911 |

Sample Name: J4306-03LX5      Acquired: 8/9/2018 14:32:53      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GD8L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0431015 | .0192398 | .2199503 | .0271340 | .0226283 | 10.55235 | .3122302 |
| Stddev | .0028315 | .0035330 | .0022124 | .0033588 | .0027041 | .01684   | .0015425 |
| %RSD   | 6.569270 | 18.36288 | 1.005842 | 12.37858 | 11.94996 | .1595484 | .4940142 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0418911 | .0227606 | .2200375 | .0234351 | .0199318 | 10.53291 | .3110672 |
| #2 | .0410765 | .0192642 | .2176957 | .0279736 | .0226134 | 10.56229 | .3116435 |
| #3 | .0463370 | .0156947 | .2221178 | .0299934 | .0253399 | 10.56184 | .3139800 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0018914 | .0198522 | 112.1587 | .0183156 | .0161580 | .3201466 | 17.10431 |
| Stddev | .0000970 | .0001981 | .4095    | .0007438 | .0003200 | .0033201 | .04741   |
| %RSD   | 5.129472 | .9980453 | .3650843 | 4.061068 | 1.980504 | 1.037045 | .2771869 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0018649 | .0197745 | 111.7493 | .0177261 | .0162274 | .3238861 | 17.06333 |
| #2 | .0018104 | .0197047 | 112.1586 | .0180693 | .0158090 | .3190084 | 17.09337 |
| #3 | .0019989 | .0200774 | 112.5682 | .0191513 | .0164377 | .3175454 | 17.15624 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .6801277 | 14.50119 | .0235311 | .0078902 | .4274267 | .0467060 | .3223424 |
| Stddev | .0053582 | .13860   | .0003385 | .0001757 | .1123161 | .0059621 | .0150185 |
| %RSD   | .7878234 | .9558087 | 1.438348 | 2.227393 | 26.27727 | 12.76522 | 4.659166 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .6744762 | 14.34176 | .0239218 | .0080863 | .3672203 | .0517149 | .3149079 |
| #2 | .6807728 | 14.59304 | .0233278 | .0078374 | .3580497 | .0401113 | .3124913 |
| #3 | .6851342 | 14.56878 | .0233436 | .0077469 | .5570100 | .0482918 | .3396280 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.711530 | 1.805140 | .0573054 | .0221157 | 1.909449 | 2.104645 | .0211919 |
| Stddev | .013074  | .020164  | .0000652 | .0004163 | .013468  | .016784  | .0017659 |
| %RSD   | .3522643 | 1.117033 | .1137439 | 1.882350 | .7053223 | .7974939 | 8.332837 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.706444 | 1.785177 | .0573788 | .0224893 | 1.898276 | 2.090539 | .0215396 |
| #2 | 3.726383 | 1.804743 | .0572833 | .0216669 | 1.905669 | 2.100188 | .0192781 |
| #3 | 3.701763 | 1.825499 | .0572542 | .0221907 | 1.924403 | 2.123208 | .0227581 |



Sample Name: J4306-03LX5      Acquired: 8/9/2018 14:32:53      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GD8L      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .2808223 | .0406723 | .4355521 |
| Stddev | .0004402 | .0016264 | .0020925 |
| %RSD   | .1567394 | 3.998766 | .4804304 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .2804401 | .0422489 | .4333096 |
| #2 | .2807232 | .0407677 | .4358943 |
| #3 | .2813035 | .0390003 | .4374525 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1947.298 | 3003.678 | 45870.59 | 5671.365 | 3558.134 |
| Stddev    | 12.478   | 8.952    | 81.89    | 5.545    | 7.238    |
| %RSD      | .6407641 | .2980388 | .1785328 | .0977750 | .2034120 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1932.890 | 3004.911 | 45777.43 | 5666.309 | 3561.769 |
| #2 | 1954.614 | 3011.949 | 45931.25 | 5670.491 | 3562.833 |
| #3 | 1954.389 | 2994.173 | 45903.09 | 5677.295 | 3549.799 |

Sample Name: J4306-06      Acquired: 8/9/2018 14:36:57      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GD9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1097681 | -.005964 | 1.103967 | .0127709 | .0173233 | 80.63992 |
| Stddev | .0030314 | .003911  | .005561  | .0070470 | .0011631 | .35015   |
| %RSD   | 2.761631 | 65.57237 | .5036898 | 55.18031 | 6.713936 | .4342146 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1118046 | -.001602 | 1.100528 | .0209080 | .0167259 | 80.92682 |
| #2 | .1062843 | -.009156 | 1.100991 | .0086748 | .0165803 | 80.24975 |
| #3 | .1112154 | -.007135 | 1.110382 | .0087299 | .0186637 | 80.74318 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | 2.067308 | .0061562 | .0593732 | F 933.0530 | .0828594 | .0546851 |
| Stddev | .006171  | .0001760 | .0001982 | 1.4479     | .0010375 | .0005129 |
| %RSD   | .2985214 | 2.858245 | .3339008 | .1551774   | 1.252148 | .9379012 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.074003 | .0062942 | .0592175 | 934.6222 | .0840533 | .0543224 |
| #2 | 2.061847 | .0062162 | .0593058 | 931.7689 | .0821768 | .0552719 |
| #3 | 2.066073 | .0059581 | .0595964 | 932.7677 | .0823481 | .0544610 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.686641 | 113.8937 | 4.579185 | 112.5146 | .0921785 | .0141792 |
| Stddev | .005259  | .2127    | .022106  | .3689    | .0008678 | .0004284 |
| %RSD   | .3117914 | .1867485 | .4827483 | .3278293 | .9413778 | 3.021463 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.691795 | 113.7562 | 4.554590 | 112.8039 | .0931190 | .0145024 |
| #2 | 1.686846 | 113.7862 | 4.585565 | 112.0992 | .0920074 | .0136933 |
| #3 | 1.681283 | 114.1387 | 4.597399 | 112.6406 | .0914090 | .0143420 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.611135 | .1862042 | 1.300369 | 27.88014 | 11.35972 | .2872495 |
| Stddev | .494598  | .0079152 | .014686  | .15799   | .02708   | .0021504 |
| %RSD   | 7.481281 | 4.250800 | 1.129365 | .5666722 | .2383447 | .7486249 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 6.120797 | .1939137 | 1.292943 | 27.97819 | 11.32846 | .2854924 |
| #2 | 6.602724 | .1780983 | 1.317285 | 27.69789 | 11.37508 | .2896475 |
| #3 | 7.109884 | .1866005 | 1.290879 | 27.96436 | 11.37563 | .2866085 |

Sample Name: J4306-06      Acquired: 8/9/2018 14:36:57      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GD9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0053271 | 13.71529 | 3.055778 | .0121430 | 1.658483 | .2190121 |
| Stddev | .0004397 | .03216   | .036635  | .0015025 | .003431  | .0005290 |
| %RSD   | 8.253538 | .2344735 | 1.198864 | 12.37330 | .2068485 | .2415179 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0048196 | 13.68182 | 3.082644 | .0110416 | 1.662328 | .2192649 |
| #2 | .0055920 | 13.71812 | 3.070643 | .0115328 | 1.655735 | .2184041 |
| #3 | .0055698 | 13.74595 | 3.014047 | .0138546 | 1.657386 | .2193672 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 3.425040 |
| Stddev | .002916  |
| %RSD   | .0851369 |

|    |          |
|----|----------|
| #1 | 3.427956 |
| #2 | 3.425041 |
| #3 | 3.422124 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1924.316 | 2967.449 | 45992.97 | 5901.807 | 3065.870 |
| Stddev    | 16.062   | 8.669    | 121.21   | 44.612   | 5.143    |
| %RSD      | .8346604 | .2921314 | .2635471 | .7559020 | .1677599 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1912.627 | 2977.138 | 45854.38 | 5853.419 | 3069.708 |
| #2 | 1917.690 | 2964.782 | 46045.31 | 5910.697 | 3067.875 |
| #3 | 1942.630 | 2960.427 | 46079.21 | 5941.304 | 3060.026 |

Sample Name: J4306-07      Acquired: 8/9/2018 14:40:55      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GR2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1327800 | -.007149 | 1.647164 | .0109010 | .0138036 | 73.96526 | 1.455982 |
| Stddev | .0014462 | .004618  | .005497  | .0040538 | .0006753 | .31414   | .005616  |
| %RSD   | 1.089149 | 64.59645 | .3337055 | 37.18690 | 4.892164 | .4247119 | .3857486 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1323984 | -.008395 | 1.650315 | .0064202 | .0142272 | 74.32375 | 1.462202 |
| #2 | .1343788 | -.011015 | 1.640818 | .0119692 | .0141586 | 73.73811 | 1.454465 |
| #3 | .1315630 | -.002036 | 1.650361 | .0143138 | .0130248 | 73.83392 | 1.451281 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0057276 | .0477992 | 371.3399 | .1378575 | .0723977 | .7988058 | 173.0898 |
| Stddev | .0001081 | .0001254 | 1.3332   | .0013535 | .0000611 | .0045551 | .2501    |
| %RSD   | 1.886957 | .2624188 | .3590352 | .9818241 | .0844156 | .5702369 | .1445008 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0057575 | .0477195 | 372.8749 | .1370152 | .0724286 | .8032475 | 173.3783 |
| #2 | .0058177 | .0477342 | 370.4700 | .1394188 | .0724372 | .7941452 | 172.9345 |
| #3 | .0056078 | .0479438 | 370.6749 | .1371386 | .0723273 | .7990248 | 172.9565 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.027688 | 67.00428 | .1177112 | .0137281 | 1.664748 | .4163043 | 1.810874 |
| Stddev | .010091  | .05463   | .0008186 | .0001328 | .287994  | .0069859 | .021110  |
| %RSD   | .2505412 | .0815373 | .6954352 | .9669804 | 17.29956 | 1.678068 | 1.165721 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.031059 | 66.97911 | .1178772 | .0136010 | 1.859134 | .4082558 | 1.804729 |
| #2 | 4.016343 | 67.06696 | .1168224 | .0137176 | 1.801223 | .4198614 | 1.834375 |
| #3 | 4.035662 | 66.96677 | .1184341 | .0138659 | 1.333886 | .4207958 | 1.793519 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 28.63518 | 12.88073 | .2728456 | .0093721 | 6.521657 | 2.286673 | .0124022 |
| Stddev | .06790   | .05312   | .0016508 | .0004796 | .037376  | .008437  | .0004862 |
| %RSD   | .2371105 | .4123686 | .6050338 | 5.117651 | .5731051 | .3689438 | 3.919905 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 28.66704 | 12.82117 | .2746160 | .0089853 | 6.492672 | 2.277863 | .0120915 |
| #2 | 28.55721 | 12.89782 | .2725725 | .0092222 | 6.508457 | 2.287475 | .0129624 |
| #3 | 28.68129 | 12.92319 | .2713485 | .0099088 | 6.563842 | 2.294679 | .0121526 |

Sample Name: J4306-07      Acquired: 8/9/2018 14:40:55      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GR2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.509280 | .1227215 | 1.079643 |
| Stddev | .005378  | .0008498 | .001909  |
| %RSD   | .2143125 | .6924725 | .1767736 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.506969 | .1228286 | 1.077439 |
| #2 | 2.515427 | .1218232 | 1.080779 |
| #3 | 2.505444 | .1235127 | 1.080710 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1987.885 | 3101.784 | 47551.15 | 6049.039 | 3307.442 |
| Stddev    | 9.589    | 5.209    | 90.46    | 21.738   | 4.988    |
| %RSD      | .4823681 | .1679402 | .1902396 | .3593599 | .1507972 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1976.885 | 3102.015 | 47449.96 | 6068.542 | 3305.933 |
| #2 | 1994.483 | 3106.874 | 47579.31 | 6052.972 | 3313.010 |
| #3 | 1992.286 | 3096.463 | 47624.18 | 6025.603 | 3303.383 |

Sample Name: J4306-08      Acquired: 8/9/2018 14:44:55      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GR3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1469812 | -.005580 | 2.001989 | .0154123 | .0099104 | 88.97620 | 1.361861 |
| Stddev | .0078481 | .005527  | .012635  | .0029858 | .0030199 | .59333   | .009036  |
| %RSD   | 5.339551 | 99.05846 | .6311087 | 19.37284 | 30.47164 | .6668384 | .6634861 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1440555 | -.003279 | 1.996911 | .0175146 | .0064430 | 89.37679 | 1.366407 |
| #2 | .1410162 | -.001574 | 1.992683 | .0119946 | .0119640 | 88.29457 | 1.351455 |
| #3 | .1558720 | -.011885 | 2.016372 | .0167276 | .0113244 | 89.25723 | 1.367721 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0065756 | .0579782 | 160.3082 | .1378398 | .0956101 | .7452057 | 205.5376 |
| Stddev | .0000574 | .0002374 | .7676    | .0004678 | .0005879 | .0032657 | .8196    |
| %RSD   | .8725783 | .4094256 | .4788158 | .3394111 | .6148452 | .4382261 | .3987729 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0065257 | .0578691 | 160.7109 | .1381752 | .0959437 | .7416394 | 206.1305 |
| #2 | .0066383 | .0578149 | 159.4230 | .1380388 | .0949313 | .7480498 | 204.6023 |
| #3 | .0065628 | .0582505 | 160.7906 | .1373053 | .0959552 | .7459281 | 205.8800 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.471092 | 68.66666 | .1231238 | .0128995 | 1.619953 | .4448365 | 1.624096 |
| Stddev | .023557  | .09451   | .0003906 | .0004903 | .288046  | .0075048 | .003254  |
| %RSD   | .4305788 | .1376293 | .3172691 | 3.800667 | 17.78111 | 1.687098 | .2003429 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.471946 | 68.76819 | .1227193 | .0134589 | 1.801831 | .4385264 | 1.627361 |
| #2 | 5.447119 | 68.58125 | .1231531 | .0125449 | 1.770179 | .4428477 | 1.624073 |
| #3 | 5.494210 | 68.65054 | .1234989 | .0126946 | 1.287849 | .4531354 | 1.620853 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 36.09948 | 11.09924 | .3048262 | .0109479 | 5.390193 | 2.298484 | 1.213599 |
| Stddev | .36462   | .06110   | .0019429 | .0003058 | .039672  | .014489  | .007884  |
| %RSD   | 1.010042 | .5504855 | .6373940 | 2.793200 | .7360046 | .6303554 | .6496410 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 36.16047 | 11.12540 | .3041427 | .0111613 | 5.389611 | 2.314077 | 1.206530 |
| #2 | 35.70821 | 11.02942 | .3033174 | .0110849 | 5.350815 | 2.295937 | 1.212166 |
| #3 | 36.42976 | 11.14291 | .3070186 | .0105976 | 5.430153 | 2.285438 | 1.222101 |

Sample Name: J4306-08      Acquired: 8/9/2018 14:44:55      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GR3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 4.012886 | .1426674 | .5848948 |
| Stddev | .018999  | .0005061 | .0009542 |
| %RSD   | .4734467 | .3547700 | .1631387 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 3.991739 | .1421359 | .5859856 |
| #2 | 4.028516 | .1427225 | .5844837 |
| #3 | 4.018402 | .1431437 | .5842150 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2071.643 | 3204.402 | 48745.86 | 6128.663 | 3400.652 |
| Stddev    | 4.376    | 10.246   | 78.48    | 42.356   | 12.088   |
| %RSD      | .2112244 | .3197624 | .1609993 | .6911152 | .3554474 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2072.910 | 3209.373 | 48808.15 | 6082.658 | 3403.109 |
| #2 | 2066.773 | 3211.214 | 48657.71 | 6137.286 | 3411.322 |
| #3 | 2075.245 | 3192.618 | 48771.72 | 6166.044 | 3387.524 |

Sample Name: J4306-09      Acquired: 8/9/2018 14:48:54      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GR4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1901999 | -.006783 | 2.340302 | .0103444 | .0139789 | 82.34367 | 1.372135 |
| Stddev | .0040791 | .004208  | .013256  | .0044326 | .0012710 | .12850   | .002667  |
| %RSD   | 2.144640 | 62.03528 | .5664263 | 42.85009 | 9.091975 | .1560537 | .1943363 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1855268 | -.004308 | 2.342454 | .0052781 | .0126061 | 82.23026 | 1.371817 |
| #2 | .1930467 | -.011641 | 2.326102 | .0122471 | .0151146 | 82.48323 | 1.369641 |
| #3 | .1920263 | -.004399 | 2.352351 | .0135079 | .0142161 | 82.31750 | 1.374946 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0071104 | .0725825 | 255.5571 | .1476379 | .0821517 | .6349789 | 190.3576 |
| Stddev | .0000827 | .0003637 | .3272    | .0008504 | .0005461 | .0061794 | .1257    |
| %RSD   | 1.163666 | .5011526 | .1280437 | .5759921 | .6647479 | .9731701 | .0660226 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0070156 | .0726707 | 255.3781 | .1472259 | .0816723 | .6293965 | 190.2697 |
| #2 | .0071481 | .0721828 | 255.3584 | .1470720 | .0827462 | .6416188 | 190.5015 |
| #3 | .0071677 | .0728941 | 255.9347 | .1486158 | .0820365 | .6339215 | 190.3014 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.934062 | 51.47509 | .1238582 | .0105095 | 1.454284 | .4390179 | 1.604122 |
| Stddev | .014648  | .11313   | .0007876 | .0002417 | .019202  | .0054540 | .006861  |
| %RSD   | .2968660 | .2197728 | .6358458 | 2.299825 | 1.320345 | 1.242315 | .4276959 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.917641 | 51.38024 | .1236130 | .0103909 | 1.470816 | .4370293 | 1.602496 |
| #2 | 4.938760 | 51.44472 | .1247392 | .0107876 | 1.433223 | .4348373 | 1.598220 |
| #3 | 4.945784 | 51.60030 | .1232225 | .0103501 | 1.458814 | .4451872 | 1.611649 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 28.91783 | 10.06279 | .2764041 | .0113339 | 5.440349 | 3.238253 | .0062948 |
| Stddev | .11162   | .06174   | .0005972 | .0001571 | .043063  | .012295  | .0017711 |
| %RSD   | .3860012 | .6135648 | .2160714 | 1.386351 | .7915426 | .3796688 | 28.13659 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 28.79065 | 10.00278 | .2770143 | .0112518 | 5.399148 | 3.224223 | .0047817 |
| #2 | 28.99955 | 10.05945 | .2763773 | .0115150 | 5.436842 | 3.247147 | .0082428 |
| #3 | 28.96328 | 10.12613 | .2758207 | .0112348 | 5.485058 | 3.243389 | .0058598 |



Sample Name: J4306-09      Acquired: 8/9/2018 14:48:54      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GR4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.859881 | .1061032 | .5568058 |
| Stddev | .012042  | .0005942 | .0006751 |
| %RSD   | .6474699 | .5599897 | .1212530 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.871333 | .1059410 | .5574392 |
| #2 | 1.847324 | .1067617 | .5560955 |
| #3 | 1.860985 | .1056070 | .5568827 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2065.040 | 3208.910 | 48968.56 | 6214.903 | 3381.601 |
| Stddev    | 6.807    | 9.715    | 174.18   | 4.103    | 13.473   |
| %RSD      | .3296337 | .3027449 | .3556950 | .0660263 | .3984278 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2057.201 | 3209.655 | 48777.90 | 6213.649 | 3385.210 |
| #2 | 2068.454 | 3218.231 | 49008.44 | 6219.487 | 3392.903 |
| #3 | 2069.464 | 3198.844 | 49119.34 | 6211.573 | 3366.691 |

Sample Name: J4306-10      Acquired: 8/9/2018 14:52:54      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GR5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1341525 | -.007861 | .6875582 | .0099476 | .0064937 | 65.37257 | .9433272 |
| Stddev | .0041233 | .001042  | .0071836 | .0027857 | .0019163 | .31314   | .0031612 |
| %RSD   | 3.073591 | 13.25754 | 1.044795 | 28.00429 | 29.50963 | .4790076 | .3351099 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1312875 | -.007021 | .6804434 | .0085282 | .0085821 | 65.21765 | .9429354 |
| #2 | .1322918 | -.007534 | .6874225 | .0131571 | .0060829 | 65.16709 | .9403802 |
| #3 | .1388783 | -.009027 | .6948086 | .0081574 | .0048162 | 65.73297 | .9466660 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0055741 | .0207536 | 124.9685 | .1030343 | .0701717 | .4684928 | 170.7832 |
| Stddev | .0000887 | .0001724 | .2799    | .0004079 | .0007116 | .0061131 | .2816    |
| %RSD   | 1.591844 | .8308653 | .2239607 | .3958830 | 1.014066 | 1.304844 | .1649164 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0054875 | .0208892 | 124.6974 | .1028602 | .0701789 | .4705259 | 170.4770 |
| #2 | .0056648 | .0205596 | 125.2564 | .1035003 | .0694565 | .4733303 | 171.0311 |
| #3 | .0055701 | .0208122 | 124.9516 | .1027423 | .0708796 | .4616222 | 170.8416 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.508723 | 38.58071 | .0919556 | .0048020 | 1.422940 | .3843118 | .7303091 |
| Stddev | .020738  | .19037   | .0005562 | .0004651 | .084324  | .0053294 | .0152632 |
| %RSD   | .4599571 | .4934347 | .6048018 | 9.686285 | 5.926028 | 1.386734 | 2.089961 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.501933 | 38.37025 | .0925978 | .0046657 | 1.327679 | .3869141 | .7139772 |
| #2 | 4.532005 | 38.63097 | .0916291 | .0044202 | 1.453117 | .3878401 | .7442124 |
| #3 | 4.492231 | 38.74091 | .0916400 | .0053200 | 1.488023 | .3781813 | .7327375 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 20.62494 | 7.523131 | .2397360 | .0105107 | 3.409232 | 2.039987 | .0032314 |
| Stddev | .19333   | .032668  | .0010553 | .0003950 | .016618  | .010629  | .0014000 |
| %RSD   | .9373746 | .4342291 | .4401800 | 3.758333 | .4874497 | .5210481 | 43.32642 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 20.51189 | 7.489184 | .2386673 | .0101978 | 3.390050 | 2.028885 | .0017861 |
| #2 | 20.51477 | 7.525861 | .2407773 | .0109546 | 3.419260 | 2.050070 | .0033267 |
| #3 | 20.84818 | 7.554348 | .2397634 | .0103796 | 3.418387 | 2.041006 | .0045813 |

Sample Name: J4306-10      Acquired: 8/9/2018 14:52:54      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GR5      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.544610 | .0945678 | .4260994 |
| Stddev | .001734  | .0006130 | .0012384 |
| %RSD   | .1122875 | .6482093 | .2906369 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.543356 | .0938640 | .4263460 |
| #2 | 1.546590 | .0948550 | .4247563 |
| #3 | 1.543885 | .0949845 | .4271960 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2075.807 | 3207.613 | 48986.96 | 6131.956 | 3480.876 |
| Stddev    | 9.038    | 4.651    | 182.08   | 34.317   | 10.113   |
| %RSD      | .4353880 | .1449846 | .3717000 | .5596485 | .2905420 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2074.730 | 3206.331 | 48839.35 | 6162.068 | 3487.736 |
| #2 | 2067.356 | 3212.770 | 48931.10 | 6139.207 | 3485.630 |
| #3 | 2085.335 | 3203.738 | 49190.43 | 6094.593 | 3469.261 |

Sample Name: J4306-11      Acquired: 8/9/2018 14:56:56      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GR6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2030878 | -.005054 | 2.202402 | .0105179 | .0096978 | 68.02321 | 1.146038 |
| Stddev | .0055040 | .001402  | .006613  | .0036523 | .0004238 | .18661   | .003431  |
| %RSD   | 2.710175 | 27.73469 | .3002695 | 34.72432 | 4.370299 | .2743373 | .2993757 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2003531 | -.006126 | 2.197038 | .0147330 | .0100161 | 68.13956 | 1.146589 |
| #2 | .1994867 | -.003468 | 2.200377 | .0085275 | .0098605 | 68.12211 | 1.149161 |
| #3 | .2094236 | -.005568 | 2.209791 | .0082931 | .0092167 | 67.80796 | 1.142365 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0058299 | .0503506 | 140.7420 | .1405297 | .0695483 | .4963833 | 178.7216 |
| Stddev | .0000648 | .0001945 | .3991    | .0002953 | .0003159 | .0036989 | .4505    |
| %RSD   | 1.110941 | .3862685 | .2835980 | .2101404 | .4541379 | .7451728 | .2520635 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0058763 | .0501261 | 140.8883 | .1404315 | .0698882 | .5000147 | 179.0084 |
| #2 | .0058576 | .0504680 | 141.0473 | .1408616 | .0692639 | .4926204 | 178.9540 |
| #3 | .0057559 | .0504576 | 140.2903 | .1402960 | .0694929 | .4965149 | 178.2024 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.826588 | 38.51239 | .1024827 | .0079760 | 3.742177 | .3989670 | 1.232338 |
| Stddev | .015665  | .13688   | .0006676 | .0004326 | .013609  | .0045883 | .034258  |
| %RSD   | .3245482 | .3554306 | .6514317 | 5.424042 | .3636623 | 1.150047 | 2.779919 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.835492 | 38.35579 | .1017481 | .0078908 | 3.744502 | .4039251 | 1.262702 |
| #2 | 4.835772 | 38.60925 | .1030524 | .0084448 | 3.727555 | .3948706 | 1.239115 |
| #3 | 4.808501 | 38.57214 | .1026476 | .0075922 | 3.754473 | .3981053 | 1.195199 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 23.36621 | 10.13784 | .3126876 | .0073434 | 6.705205 | 2.561204 | .0073738 |
| Stddev | .10962   | .03546   | .0013482 | .0002579 | .034837  | .011537  | .0009993 |
| %RSD   | .4691380 | .3498143 | .4311729 | 3.511365 | .5195533 | .4504597 | 13.55201 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 23.32446 | 10.13558 | .3127870 | .0076075 | 6.696993 | 2.570070 | .0066196 |
| #2 | 23.49057 | 10.10356 | .3112925 | .0073306 | 6.675208 | 2.565381 | .0069946 |
| #3 | 23.28360 | 10.17438 | .3139834 | .0070922 | 6.743415 | 2.548160 | .0085072 |

Sample Name: J4306-11      Acquired: 8/9/2018 14:56:56      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GR6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.723574 | .0864238 | .4236938 |
| Stddev | .004873  | .0016157 | .0004266 |
| %RSD   | .2827147 | 1.869537 | .1006784 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.717952 | .0845910 | .4241842 |
| #2 | 1.726591 | .0876419 | .4234080 |
| #3 | 1.726178 | .0870386 | .4234894 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2077.407 | 3243.921 | 49188.40 | 6184.473 | 3484.470 |
| Stddev    | 3.718    | .889     | 33.64    | 31.751   | 6.025    |
| %RSD      | .1789541 | .0273917 | .0683901 | .5134058 | .1729117 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2074.506 | 3243.321 | 49172.23 | 6191.502 | 3482.147 |
| #2 | 2081.598 | 3244.942 | 49165.91 | 6149.796 | 3491.310 |
| #3 | 2076.116 | 3243.501 | 49227.08 | 6212.121 | 3479.952 |

Sample Name: J4306-12      Acquired: 8/9/2018 15:00:56      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GR7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1642792 | -.003622 | 2.381466 | .0128789 | .0114378 | 69.54281 | 1.070256 |
| Stddev | .0063836 | .003468  | .015211  | .0000402 | .0017051 | .20356   | .002714  |
| %RSD   | 3.885801 | 95.73249 | .6387425 | .3123922 | 14.90716 | .2927131 | .2535678 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1569392 | -.007371 | 2.370757 | .0128770 | .0110341 | 69.62235 | 1.070765 |
| #2 | .1673631 | -.000529 | 2.374764 | .0128396 | .0099708 | 69.31148 | 1.067323 |
| #3 | .1685352 | -.002966 | 2.398878 | .0129200 | .0133084 | 69.69459 | 1.072678 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0061950 | .0661912 | 125.8459 | .1317474 | .0658488 | .5240146 | 160.9014 |
| Stddev | .0000878 | .0002699 | .1209    | .0000763 | .0006458 | .0054328 | .2870    |
| %RSD   | 1.417061 | .4077866 | .0961023 | .0579113 | .9807212 | 1.036764 | .1783996 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0061166 | .0659136 | 125.8368 | .1318349 | .0652797 | .5228636 | 161.0290 |
| #2 | .0061787 | .0662071 | 125.7297 | .1316947 | .0657161 | .5192495 | 160.5727 |
| #3 | .0062899 | .0664528 | 125.9711 | .1317126 | .0665506 | .5299306 | 161.1026 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.852953 | 36.73322 | .0980782 | .0114515 | 1.626635 | .3672609 | 1.412391 |
| Stddev | .018756  | .19887   | .0007876 | .0000604 | .194563  | .0116001 | .025001  |
| %RSD   | .3864922 | .5413785 | .8030588 | .5279108 | 11.96107 | 3.158536 | 1.770098 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.873975 | 36.76106 | .0983214 | .0113875 | 1.606275 | .3785360 | 1.441238 |
| #2 | 4.837930 | 36.52189 | .0971976 | .0114593 | 1.443053 | .3678857 | 1.397024 |
| #3 | 4.846954 | 36.91669 | .0987155 | .0115076 | 1.830578 | .3553611 | 1.398909 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 26.25801 | 8.985942 | .2525339 | .0073743 | 7.835202 | 4.804003 | .0056061 |
| Stddev | .09410   | .047910  | .0014501 | .0001258 | .026409  | .006818  | .0013425 |
| %RSD   | .3583603 | .5331636 | .5742347 | 1.706234 | .3370498 | .1419130 | 23.94792 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 26.15040 | 8.969462 | .2529586 | .0072689 | 7.804774 | 4.811461 | .0056700 |
| #2 | 26.29883 | 8.948448 | .2509188 | .0075136 | 7.848683 | 4.798091 | .0069156 |
| #3 | 26.32481 | 9.039917 | .2537243 | .0073405 | 7.852150 | 4.802457 | .0042328 |

Sample Name: J4306-12      Acquired: 8/9/2018 15:00:56      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GR7      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.595206 | .0762136 | .7091434 |
| Stddev | .003687  | .0021625 | .0005857 |
| %RSD   | .2311086 | 2.837463 | .0825913 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.599234 | .0741116 | .7093187 |
| #2 | 1.594385 | .0760971 | .7096214 |
| #3 | 1.591999 | .0784320 | .7084900 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2087.623 | 3264.911 | 49458.73 | 6190.776 | 3505.393 |
| Stddev    | 10.286   | 3.813    | 111.43   | 11.943   | 7.800    |
| %RSD      | .4926947 | .1167812 | .2252989 | .1929212 | .2225101 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2087.380 | 3267.763 | 49480.53 | 6204.521 | 3510.178 |
| #2 | 2098.028 | 3266.389 | 49557.66 | 6182.928 | 3509.609 |
| #3 | 2077.461 | 3260.580 | 49338.02 | 6184.878 | 3496.393 |

Sample Name: J4306-13      Acquired: 8/9/2018 15:04:56      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GR8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1700546 | -.006705 | 2.405952 | .0145133 | .0128363 | 82.18987 | 1.183792 |
| Stddev | .0043929 | .004627  | .009337  | .0044833 | .0037664 | .41129   | .005982  |
| %RSD   | 2.583235 | 69.00076 | .3880692 | 30.89076 | 29.34176 | .5004108 | .5053080 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1658076 | -.001975 | 2.397567 | .0131071 | .0091458 | 81.84464 | 1.177390 |
| #2 | .1697759 | -.006919 | 2.404276 | .0109017 | .0166743 | 82.64492 | 1.189239 |
| #3 | .1745801 | -.011222 | 2.416013 | .0195311 | .0126888 | 82.08004 | 1.184746 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0071203 | .0757808 | 100.4041 | .1482192 | .0926250 | .5271309 | 177.2699 |
| Stddev | .0000806 | .0002034 | .5306    | .0009092 | .0000636 | .0023558 | .4684    |
| %RSD   | 1.131276 | .2684372 | .5285025 | .6133869 | .0686231 | .4469022 | .2642097 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0071909 | .0757042 | 99.9861  | .1471959 | .0925523 | .5254843 | 177.0193 |
| #2 | .0070326 | .0756268 | 101.0011 | .1485276 | .0926529 | .5260790 | 177.8103 |
| #3 | .0071375 | .0760114 | 100.2251 | .1489341 | .0926699 | .5298293 | 176.9802 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.217858 | 44.35768 | .1170074 | .0109906 | 1.918629 | .3729841 | 1.625341 |
| Stddev | .025482  | .13286   | .0006636 | .0004928 | .172538  | .0028339 | .029453  |
| %RSD   | .4883569 | .2995136 | .5671069 | 4.484210 | 8.992794 | .7597860 | 1.812124 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.201097 | 44.25539 | .1165671 | .0113870 | 1.749264 | .3703231 | 1.592004 |
| #2 | 5.247182 | 44.50784 | .1166846 | .0104388 | 1.912448 | .3759639 | 1.647841 |
| #3 | 5.205294 | 44.30980 | .1177706 | .0111459 | 2.094175 | .3726653 | 1.636177 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 28.73233 | 9.060871 | .2665420 | .0058870 | 7.835849 | 2.158028 | .0126832 |
| Stddev | .16182   | .005179  | .0029307 | .0001396 | .027003  | .017287  | .0005295 |
| %RSD   | .5631989 | .0571526 | 1.099541 | 2.371059 | .3446060 | .8010384 | 4.175138 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 28.54579 | 9.057644 | .2635219 | .0057352 | 7.813965 | 2.156250 | .0120998 |
| #2 | 28.83502 | 9.058124 | .2693743 | .0059159 | 7.827557 | 2.176135 | .0131335 |
| #3 | 28.81617 | 9.066844 | .2667299 | .0060099 | 7.866026 | 2.141700 | .0128163 |



Sample Name: J4306-13      Acquired: 8/9/2018 15:04:56      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GR8      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.810475 | .0934466 | .6380681 |
| Stddev | .001229  | .0003353 | .0003806 |
| %RSD   | .0679075 | .3588105 | .0596408 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.810212 | .0935666 | .6377213 |
| #2 | 1.811815 | .0937055 | .6384752 |
| #3 | 1.809399 | .0930679 | .6380079 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2150.968 | 3340.886 | 51048.09 | 6390.750 | 3527.710 |
| Stddev    | 24.028   | 7.581    | 178.49   | 15.843   | 7.044    |
| %RSD      | 1.117087 | .2269240 | .3496420 | .2479044 | .1996836 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2173.696 | 3337.254 | 51244.58 | 6377.221 | 3526.973 |
| #2 | 2125.822 | 3349.600 | 50895.98 | 6386.850 | 3535.094 |
| #3 | 2153.385 | 3335.803 | 51003.72 | 6408.179 | 3521.063 |

Sample Name: J4306-14      Acquired: 8/9/2018 15:08:55      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GR9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1669195 | -.005349 | 2.670998 | .0122626 | .0085122 | 67.96710 | 1.088597 |
| Stddev | .0088135 | .002381  | .005257  | .0039378 | .0015665 | .13015   | .002758  |
| %RSD   | 5.280078 | 44.50926 | .1968280 | 32.11235 | 18.40272 | .1914952 | .2533603 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1589476 | -.006251 | 2.668578 | .0161473 | .0084540 | 68.02196 | 1.090198 |
| #2 | .1763840 | -.002649 | 2.667386 | .0082737 | .0069757 | 68.06085 | 1.090180 |
| #3 | .1654270 | -.007147 | 2.677029 | .0123667 | .0101070 | 67.81850 | 1.085412 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0059136 | .0637867 | 250.9494 | .2173070 | .0670254 | .5453906 | 154.8331 |
| Stddev | .0000491 | .0002813 | .5416    | .0008307 | .0000421 | .0037911 | .1205    |
| %RSD   | .8304225 | .4409865 | .2158100 | .3822593 | .0627580 | .6951095 | .0778051 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0059703 | .0635804 | 251.1993 | .2176070 | .0669830 | .5438318 | 154.7198 |
| #2 | .0058845 | .0636724 | 251.3209 | .2163680 | .0670671 | .5497125 | 154.9596 |
| #3 | .0058859 | .0641071 | 250.3280 | .2179460 | .0670262 | .5426274 | 154.8200 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.493170 | 41.96916 | .0982879 | .0088609 | 1.452488 | .3510373 | 1.485306 |
| Stddev | .013375  | .17739   | .0010610 | .0001851 | .042226  | .0033004 | .011633  |
| %RSD   | .2976737 | .4226767 | 1.079514 | 2.088805 | 2.907176 | .9401968 | .7831786 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.504023 | 42.15979 | .0974375 | .0086800 | 1.429530 | .3545212 | 1.484748 |
| #2 | 4.497258 | 41.80893 | .0994769 | .0090499 | 1.501220 | .3479576 | 1.497208 |
| #3 | 4.478228 | 41.93876 | .0979492 | .0088528 | 1.426714 | .3506330 | 1.473963 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 21.70340 | 9.240618 | .2378069 | .0094243 | 8.349671 | 2.101323 | .0131528 |
| Stddev | .12158   | .055848  | .0015524 | .0004313 | .024501  | .013780  | .0008815 |
| %RSD   | .5601860 | .6043701 | .6528009 | 4.576824 | .2934360 | .6557621 | 6.701797 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 21.65667 | 9.193199 | .2393042 | .0090051 | 8.331929 | 2.114447 | .0140024 |
| #2 | 21.84141 | 9.226477 | .2379118 | .0098668 | 8.339458 | 2.086970 | .0132134 |
| #3 | 21.61212 | 9.302176 | .2362047 | .0094010 | 8.377627 | 2.102552 | .0122426 |

Sample Name: J4306-14      Acquired: 8/9/2018 15:08:55      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GR9      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.385184 | .0851769 | .8590614 |
| Stddev | .002576  | .0023809 | .0006056 |
| %RSD   | .1859346 | 2.795192 | .0704958 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.386556 | .0828146 | .8590819 |
| #2 | 1.382212 | .0875759 | .8584458 |
| #3 | 1.386782 | .0851403 | .8596565 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2052.284 | 3181.397 | 48878.17 | 6170.782 | 3405.464 |
| Stddev    | 13.094   | 1.559    | 191.09   | 22.544   | 2.693    |
| %RSD      | .6380014 | .0489988 | .3909486 | .3653343 | .0790767 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2044.431 | 3182.820 | 48712.61 | 6196.813 | 3405.720 |
| #2 | 2045.023 | 3181.641 | 48834.62 | 6157.676 | 3408.019 |
| #3 | 2067.400 | 3179.731 | 49087.27 | 6157.857 | 3402.652 |

Sample Name: J4306-15      Acquired: 8/9/2018 15:12:56      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GS0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1609530 | -.007267 | 1.705163 | .0116431 | .0084373 | 76.78406 | 1.193011 |
| Stddev | .0030300 | .002067  | .007760  | .0030581 | .0031139 | .51742   | .008667  |
| %RSD   | 1.882540 | 28.44419 | .4550779 | 26.26568 | 36.90644 | .6738640 | .7264685 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1643053 | -.009540 | 1.698301 | .0083254 | .0119994 | 76.57525 | 1.190662 |
| #2 | .1601444 | -.006762 | 1.703604 | .0122544 | .0070807 | 76.40367 | 1.185761 |
| #3 | .1584094 | -.005500 | 1.713584 | .0143493 | .0062319 | 77.37325 | 1.202611 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0068978 | .0449799 | 154.4574 | .1549636 | .0741746 | .4335445 | 183.5556 |
| Stddev | .0000949 | .0001455 | 1.2151   | .0014417 | .0002860 | .0035405 | 1.5775   |
| %RSD   | 1.375231 | .3234657 | .7866574 | .9303577 | .3856473 | .8166361 | .8594085 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0069702 | .0449179 | 154.1779 | .1538602 | .0739585 | .4332947 | 182.7594 |
| #2 | .0067904 | .0448755 | 153.4064 | .1565949 | .0740662 | .4301355 | 182.5348 |
| #3 | .0069327 | .0451461 | 155.7878 | .1544359 | .0744990 | .4372033 | 185.3725 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.414695 | 48.26544 | .1240169 | .0073808 | 1.642958 | .4055879 | 1.229774 |
| Stddev | .032427  | .36764   | .0006981 | .0003050 | .236402  | .0085451 | .015439  |
| %RSD   | .7345211 | .7617023 | .5628997 | 4.131801 | 14.38880 | 2.106836 | 1.255439 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.399307 | 48.16942 | .1232109 | .0074521 | 1.449725 | .3998757 | 1.225157 |
| #2 | 4.392826 | 47.95534 | .1244275 | .0070464 | 1.572597 | .4014764 | 1.217171 |
| #3 | 4.451950 | 48.67156 | .1244123 | .0076437 | 1.906553 | .4154115 | 1.246995 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 24.26633 | 8.702627 | .2601253 | .0075574 | 5.759379 | 2.323033 | .0062929 |
| Stddev | .21817   | .033098  | .0040125 | .0000471 | .008605  | .022455  | .0003089 |
| %RSD   | .8990760 | .3803243 | 1.542518 | .6234899 | .1494089 | .9666033 | 4.908363 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 24.15423 | 8.693907 | .2572466 | .0076027 | 5.754179 | 2.309373 | .0059452 |
| #2 | 24.12701 | 8.674762 | .2584206 | .0075087 | 5.754647 | 2.310777 | .0065357 |
| #3 | 24.51777 | 8.739213 | .2647086 | .0075608 | 5.769312 | 2.348948 | .0063977 |

Sample Name: J4306-15      Acquired: 8/9/2018 15:12:56      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GS0      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.524072 | .0928787 | .5860835 |
| Stddev | .007985  | .0010757 | .0014305 |
| %RSD   | .5239128 | 1.158196 | .2440690 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.527773 | .0939506 | .5852612 |
| #2 | 1.514908 | .0917992 | .5852541 |
| #3 | 1.529535 | .0928863 | .5877352 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2107.256 | 3277.583 | 50120.97 | 6287.149 | 3471.567 |
| Stddev    | 7.846    | 10.069   | 93.41    | 17.259   | 11.192   |
| %RSD      | .3723116 | .3072089 | .1863655 | .2745195 | .3223878 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2113.679 | 3279.204 | 50228.73 | 6291.592 | 3472.546 |
| #2 | 2109.577 | 3286.743 | 50071.18 | 6301.753 | 3482.238 |
| #3 | 2098.512 | 3266.802 | 50063.01 | 6268.103 | 3459.918 |

Sample Name: CCV085      Acquired: 8/9/2018 15:16:56      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCV085      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.204463 | 5.057486 | 25.33238 | 5.108827 | 5.213090 | 411.6361 |
| Stddev | .019704  | .007255  | .10748   | .005055  | .009425  | 1.1069   |
| %RSD   | .3786017 | .1434452 | .4242959 | .0989435 | .1807972 | .2689141 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 5.199266 | 5.053868 | 25.26196 | 5.103827 | 5.202752 | 411.2816 |
| #2 | 5.187878 | 5.052752 | 25.27909 | 5.108718 | 5.215313 | 412.8770 |
| #3 | 5.226245 | 5.065838 | 25.45610 | 5.113935 | 5.221205 | 410.7499 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 10.05348 | .4958776 | 2.551462 | 404.8131 | 15.32144 | 2.581182 |
| Stddev | .02993   | .0012624 | .010391  | 1.8930   | .00957   | .008527  |
| %RSD   | .2976658 | .2545683 | .4072406 | .4676123 | .0624466 | .3303604 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 10.04345 | .4965842 | 2.544846 | 403.9912 | 15.32449 | 2.574650 |
| #2 | 10.08713 | .4966284 | 2.546103 | 406.9781 | 15.32911 | 2.578067 |
| #3 | 10.02985 | .4944202 | 2.563438 | 403.4700 | 15.31072 | 2.590828 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 15.51215 | 419.0458 | 14.67030 | 408.9333 | 2.596584 | 1.238634 |
| Stddev | .01882   | 1.3097   | .08027   | 1.5662   | .010765  | .002364  |
| %RSD   | .1213469 | .3125360 | .5471384 | .3829867 | .4145973 | .1908510 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 15.49406 | 418.2401 | 14.62871 | 408.5141 | 2.590362 | 1.239997 |
| #2 | 15.53163 | 420.5569 | 14.76282 | 410.6665 | 2.590375 | 1.240000 |
| #3 | 15.51076 | 418.3403 | 14.61936 | 407.6195 | 2.609015 | 1.235904 |

|        |          |          |          |          |            |          |
|--------|----------|----------|----------|----------|------------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm      |
| Avg    | 405.3105 | 2.472375 | 14.53610 | 149.5741 | F 5.646686 | 5.174608 |
| Stddev | 1.6066   | .023640  | .13988   | .8249    | .028658    | .016306  |
| %RSD   | .3963820 | .9561654 | .9623198 | .5515030 | .5075177   | .3151159 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 405.3319 | 2.480965 | 14.38399 | 149.4169 | 5.624863 | 5.178617 |
| #2 | 406.9062 | 2.490519 | 14.65920 | 150.4662 | 5.636055 | 5.188536 |
| #3 | 403.6933 | 2.445641 | 14.56512 | 148.8391 | 5.679140 | 5.156671 |

Sample Name: CCV085      Acquired: 8/9/2018 15:16:56      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCV085      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.224941 | 5.330875 | 4.678382 | 5.278735 | 5.105761 | 5.233370 |
| Stddev | .018501  | .014245  | .007359  | .019786  | .018592  | .008343  |
| %RSD   | .3540915 | .2672109 | .1572879 | .3748230 | .3641402 | .1594155 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 5.207712 | 5.321742 | 4.681760 | 5.260916 | 5.123624 | 5.242919 |
| #2 | 5.222618 | 5.323595 | 4.683444 | 5.275262 | 5.086516 | 5.227494 |
| #3 | 5.244495 | 5.347289 | 4.669941 | 5.300028 | 5.107143 | 5.229697 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 5.157928 |
| Stddev | .002602  |
| %RSD   | .0504447 |

|    |          |
|----|----------|
| #1 | 5.160692 |
| #2 | 5.157564 |
| #3 | 5.155527 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1704.809 | 2612.265 | 41650.83 | 5311.883 | 2927.427 |
| Stddev    | 3.419    | 9.190    | 172.04   | 19.128   | 12.021   |
| %RSD      | .2005568 | .3518202 | .4130439 | .3600987 | .4106427 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1702.869 | 2618.572 | 41490.85 | 5292.441 | 2933.020 |
| #2 | 1702.801 | 2616.502 | 41628.84 | 5312.525 | 2935.633 |
| #3 | 1708.757 | 2601.720 | 41832.81 | 5330.681 | 2913.628 |

Sample Name: CCB085      Acquired: 8/9/2018 15:20:42      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCB085      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.003821 | -.000485 | .0019367 | .0006423 | -.001929 | .0021576 | -.000638 |
| Stddev | .001876  | .002976  | .0006036 | .0028242 | .001110  | .0134532 | .000452  |
| %RSD   | 49.09503 | 612.9302 | 31.16592 | 439.6787 | 57.55112 | 623.5289 | 70.85561 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.003818 | -.003831 | .0021735 | .0037011 | -.002757 | .0151747 | -.001124 |
| #2 | -.005699 | .000509  | .0012506 | -.001866 | -.002363 | -.011693 | -.000229 |
| #3 | -.001947 | .001866  | .0023859 | .000092  | -.000667 | .002991  | -.000562 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000066 | -.000065 | .0043024 | .0001418 | -.000224 | -.002420 | .0177936 |
| Stddev | .000076  | .000068  | .0106019 | .0006450 | .000336  | .004058  | .0069744 |
| %RSD   | 116.2745 | 104.4001 | 246.4199 | 454.8304 | 150.0511 | 167.6795 | 39.19599 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000000 | -.000089 | .0031959 | .0006828 | .000065  | .002131  | .0252604 |
| #2 | -.000149 | -.000118 | -.005703 | -.000572 | -.000144 | -.003729 | .0166732 |
| #3 | -.000047 | .000012  | .015414  | .000315  | -.000592 | -.005662 | .0114472 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000094 | -.043095 | -.000372 | .0008040 | .0857524 | -.005088 | -.015217 |
| Stddev | .001256  | .028488  | .000243  | .0002444 | .1674108 | .007856  | .003072  |
| %RSD   | 1341.844 | 66.10507 | 65.13725 | 30.39543 | 195.2257 | 154.3786 | 20.19092 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000693 | -.058003 | -.000591 | .0008563 | .2732823 | -.002729 | -.015371 |
| #2 | -.000939 | -.061037 | -.000112 | .0005378 | .0326175 | -.013853 | -.018209 |
| #3 | .001350  | -.010247 | -.000414 | .0010181 | -.048642 | .001317  | -.012070 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.134138 | -.003699 | .0018529 | .0002247 | -.005256 | -.000833 | .0009342 |
| Stddev | .086398  | .003643  | .0013711 | .0001787 | .000562  | .001489  | .0018901 |
| %RSD   | 64.40946 | 98.48979 | 73.99659 | 79.55309 | 10.69219 | 178.7560 | 202.3203 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.115706 | -.002174 | .0031974 | .0004218 | -.004641 | .000846  | .0023523 |
| #2 | -.058444 | -.001066 | .0019047 | .0000732 | -.005384 | -.001354 | .0016620 |
| #3 | -.228265 | -.007856 | .0004567 | .0001790 | -.005743 | -.001991 | -.001212 |



Sample Name: CCB085      Acquired: 8/9/2018 15:20:42      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCB085      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000786 | -.000952 | .0000140 |
| Stddev | .001726  | .002730  | .0000817 |
| %RSD   | 219.4494 | 286.6375 | 584.9778 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.002759 | .001693  | .0000864 |
| #2 | .000444  | -.000791 | -.000075 |
| #3 | -.000044 | -.003759 | .000030  |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1963.758 | 3023.369 | 45669.79 | 5576.867 | 3618.639 |
| Stddev    | 8.065    | 9.361    | 125.86   | 18.783   | 9.003    |
| %RSD      | .4107103 | .3096217 | .2755927 | .3368043 | .2488040 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1955.293 | 3028.916 | 45528.76 | 5598.550 | 3618.968 |
| #2 | 1971.353 | 3028.630 | 45709.87 | 5566.450 | 3627.473 |
| #3 | 1964.627 | 3012.561 | 45770.72 | 5565.600 | 3609.476 |

Sample Name: J4306-16      Acquired: 8/9/2018 15:24:49      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GS1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1267345 | -.004450 | 1.402346 | .0127647 | .0102541 | 67.27913 | 1.121717 |
| Stddev | .0030061 | .001393  | .005848  | .0052039 | .0024402 | .10071   | .001775  |
| %RSD   | 2.371971 | 31.29490 | .4170130 | 40.76761 | 23.79776 | .1496968 | .1582654 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1260728 | -.005160 | 1.396303 | .0170209 | .0078388 | 67.37075 | 1.121158 |
| #2 | .1300163 | -.005344 | 1.407977 | .0069632 | .0127186 | 67.29537 | 1.123704 |
| #3 | .1241144 | -.002845 | 1.402756 | .0143098 | .0102048 | 67.17129 | 1.120288 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0058421 | .0434635 | 183.6546 | .1489956 | .0638285 | .4792050 | 153.5244 |
| Stddev | .0000774 | .0002631 | .6016    | .0004530 | .0002954 | .0042411 | .4388    |
| %RSD   | 1.325007 | .6053478 | .3275741 | .3040474 | .4628521 | .8850240 | .2858127 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0057841 | .0431721 | 184.2656 | .1484812 | .0635757 | .4778424 | 153.9535 |
| #2 | .0059300 | .0435349 | 183.6351 | .1493352 | .0641533 | .4839599 | 153.5432 |
| #3 | .0058123 | .0436836 | 183.0629 | .1491704 | .0637565 | .4758127 | 153.0766 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.154351 | 50.32243 | .1006857 | .0091782 | 1.534712 | .3371660 | 1.244848 |
| Stddev | .033656  | .19535   | .0010451 | .0003317 | .172950  | .0106498 | .024970  |
| %RSD   | .8101483 | .3882040 | 1.037970 | 3.613750 | 11.26919 | 3.158614 | 2.005904 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.193022 | 50.31575 | .0995380 | .0095475 | 1.546469 | .3325060 | 1.258806 |
| #2 | 4.138356 | 50.13050 | .1015825 | .0090816 | 1.701483 | .3493515 | 1.259717 |
| #3 | 4.131675 | 50.52103 | .1009366 | .0089056 | 1.356184 | .3296405 | 1.216019 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 25.59605 | 11.34106 | .2413109 | .0068703 | 9.539118 | 2.592374 | .0053023 |
| Stddev | .27050   | .02735   | .0018590 | .0003895 | .028176  | .013755  | .0026363 |
| %RSD   | 1.056795 | .2411683 | .7703905 | 5.669726 | .2953764 | .5305838 | 49.71958 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 25.89151 | 11.31000 | .2423910 | .0065746 | 9.518777 | 2.577782 | .0042763 |
| #2 | 25.53603 | 11.35161 | .2423774 | .0067246 | 9.527299 | 2.605102 | .0082973 |
| #3 | 25.36060 | 11.36156 | .2391643 | .0073117 | 9.571279 | 2.594238 | .0033333 |

Sample Name: J4306-16      Acquired: 8/9/2018 15:24:49      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GS1      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.487823 | .0858837 | .7154445 |
| Stddev | .005877  | .0012898 | .0015374 |
| %RSD   | .3949891 | 1.501836 | .2148852 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.481973 | .0872200 | .7160061 |
| #2 | 1.487768 | .0846460 | .7166222 |
| #3 | 1.493727 | .0857851 | .7137053 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2064.861 | 3213.010 | 49224.92 | 6178.287 | 3448.777 |
| Stddev    | 5.727    | 5.093    | 124.22   | 3.933    | 4.612    |
| %RSD      | .2773714 | .1585044 | .2523556 | .0636657 | .1337184 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2064.233 | 3218.727 | 49223.42 | 6182.828 | 3453.652 |
| #2 | 2070.876 | 3211.347 | 49349.89 | 6175.937 | 3448.197 |
| #3 | 2059.473 | 3208.958 | 49101.46 | 6176.097 | 3444.484 |

Sample Name: J4306-17      Acquired: 8/9/2018 15:28:48      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GS2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1490185 | -.012097 | 1.107754 | .0125449 | .0066343 | 96.37189 | 1.547209 |
| Stddev | .0076721 | .001464  | .002240  | .0006546 | .0012738 | .05105   | .002055  |
| %RSD   | 5.148448 | 12.09972 | .2021873 | 5.218163 | 19.20094 | .0529764 | .1328088 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1490330 | -.013513 | 1.109944 | .0121355 | .0069140 | 96.36921 | 1.546748 |
| #2 | .1566834 | -.012189 | 1.105468 | .0121993 | .0077450 | 96.32222 | 1.549455 |
| #3 | .1413391 | -.010590 | 1.107850 | .0132999 | .0052438 | 96.42423 | 1.545423 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0076565 | .0286038 | 363.2234 | .2275182 | .0803240 | .4142626 | 178.5450 |
| Stddev | .0001091 | .0000761 | .4511    | .0016961 | .0004095 | .0049558 | .2464    |
| %RSD   | 1.425283 | .2659246 | .1241826 | .7454957 | .5097992 | 1.196295 | .1380245 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0077547 | .0286732 | 363.6673 | .2269685 | .0801522 | .4102777 | 178.8241 |
| #2 | .0075390 | .0286158 | 362.7655 | .2261652 | .0800284 | .4198117 | 178.3572 |
| #3 | .0076757 | .0285225 | 363.2374 | .2294210 | .0807914 | .4126982 | 178.4538 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.521415 | 86.93862 | .1404101 | .0053896 | 1.367734 | .3709033 | 1.262612 |
| Stddev | .017435  | .11124   | .0010444 | .0002972 | .222586  | .0052189 | .016138  |
| %RSD   | .3856148 | .1279566 | .7438339 | 5.513706 | 16.27410 | 1.407071 | 1.278172 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.541546 | 86.98837 | .1412842 | .0050859 | 1.550188 | .3714678 | 1.268076 |
| #2 | 4.511194 | 86.81118 | .1392535 | .0056797 | 1.433280 | .3758170 | 1.275309 |
| #3 | 4.511504 | 87.01631 | .1406926 | .0054033 | 1.119734 | .3654252 | 1.244451 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 32.96878 | 11.49940 | .2802551 | .0052323 | 6.598040 | 2.491716 | .0081862 |
| Stddev | .07880   | .02917   | .0023226 | .0002499 | .021616  | .030393  | .0010367 |
| %RSD   | .2390260 | .2536386 | .8287485 | 4.775623 | .3276096 | 1.219743 | 12.66459 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 32.95284 | 11.52893 | .2829362 | .0052552 | 6.622204 | 2.526059 | .0070926 |
| #2 | 32.89917 | 11.47061 | .2789694 | .0049718 | 6.591374 | 2.468289 | .0091548 |
| #3 | 33.05434 | 11.49867 | .2788595 | .0054700 | 6.580543 | 2.480800 | .0083113 |

Sample Name: J4306-17      Acquired: 8/9/2018 15:28:48      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GS2      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.930330 | .1426577 | .9870840 |
| Stddev | .007222  | .0020313 | .0010841 |
| %RSD   | .3741101 | 1.423925 | .1098330 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.926024 | .1450022 | .9879310 |
| #2 | 1.938668 | .1414213 | .9874587 |
| #3 | 1.926299 | .1415498 | .9858622 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2056.390 | 3172.587 | 48995.59 | 6220.687 | 3272.316 |
| Stddev    | 17.841   | 3.483    | 98.76    | 18.195   | 1.963    |
| %RSD      | .8675744 | .1097921 | .2015594 | .2924919 | .0599991 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2037.014 | 3174.369 | 48881.90 | 6202.519 | 3274.069 |
| #2 | 2060.019 | 3174.819 | 49044.78 | 6238.909 | 3272.685 |
| #3 | 2072.137 | 3168.574 | 49060.09 | 6220.632 | 3270.195 |

Sample Name: J4306-18      Acquired: 8/9/2018 15:32:47      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GS3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1878224 | -.012994 | 1.448952 | .0088221 | .0091570 | 79.72484 | 1.368711 |
| Stddev | .0100234 | .001438  | .003118  | .0025874 | .0014857 | .30797   | .005920  |
| %RSD   | 5.336612 | 11.06861 | .2151927 | 29.32862 | 16.22519 | .3862949 | .4325286 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1811949 | -.013971 | 1.445471 | .0075424 | .0088518 | 79.44289 | 1.367932 |
| #2 | .1829188 | -.011342 | 1.449896 | .0117999 | .0078475 | 80.05350 | 1.374983 |
| #3 | .1993535 | -.013667 | 1.451488 | .0071238 | .0107716 | 79.67812 | 1.363220 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0070605 | .0370881 | 317.0093 | .1647566 | .0905160 | .4653070 | 201.9597 |
| Stddev | .0000065 | .0001406 | 1.6296   | .0006041 | .0003236 | .0008589 | .8446    |
| %RSD   | .0916090 | .3791961 | .5140393 | .3666839 | .3575633 | .1845940 | .4182106 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0070572 | .0370476 | 316.5910 | .1648192 | .0901441 | .4655064 | 201.7946 |
| #2 | .0070679 | .0369722 | 318.8072 | .1653270 | .0906707 | .4660488 | 202.8747 |
| #3 | .0070563 | .0372446 | 315.6296 | .1641236 | .0907333 | .4643660 | 201.2098 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.478792 | 59.37689 | .1355789 | .0057302 | 3.993516 | .4881373 | 1.406682 |
| Stddev | .035516  | .28376   | .0010713 | .0005207 | .421007  | .0053803 | .021778  |
| %RSD   | .7929881 | .4778996 | .7901680 | 9.086132 | 10.54227 | 1.102205 | 1.548209 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.472834 | 59.08573 | .1351870 | .0057671 | 3.706758 | .4911640 | 1.382627 |
| #2 | 4.516911 | 59.65262 | .1347588 | .0062314 | 4.476857 | .4819254 | 1.412361 |
| #3 | 4.446632 | 59.39230 | .1367910 | .0051921 | 3.796932 | .4913226 | 1.425058 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 25.80928 | 9.983238 | .2836549 | .0086937 | 4.080451 | 2.795480 | .0039047 |
| Stddev | .23940   | .046552  | .0034890 | .0002716 | .021263  | .007516  | .0002597 |
| %RSD   | .9275656 | .4663014 | 1.230028 | 3.123777 | .5211019 | .2688625 | 6.651406 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 25.53924 | 9.933707 | .2797323 | .0088781 | 4.063198 | 2.787969 | .0038172 |
| #2 | 25.89309 | 9.989917 | .2864120 | .0088211 | 4.073949 | 2.795470 | .0041969 |
| #3 | 25.99550 | 10.02609 | .2848205 | .0083818 | 4.104206 | 2.803001 | .0037001 |

Sample Name: J4306-18      Acquired: 8/9/2018 15:32:47      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GS3      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.907294 | .1015442 | .5133803 |
| Stddev | .011576  | .0024189 | .0005721 |
| %RSD   | .6069546 | 2.382107 | .1114375 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.913689 | .1030186 | .5138303 |
| #2 | 1.893931 | .0987525 | .5135741 |
| #3 | 1.914263 | .1028614 | .5127365 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2059.348 | 3168.681 | 48844.64 | 6135.282 | 3292.491 |
| Stddev    | 6.505    | 4.602    | 161.57   | 15.603   | 6.157    |
| %RSD      | .3158924 | .1452363 | .3307738 | .2543161 | .1870127 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2062.238 | 3173.798 | 48965.49 | 6127.045 | 3298.010 |
| #2 | 2063.908 | 3167.362 | 48907.29 | 6125.523 | 3293.613 |
| #3 | 2051.899 | 3164.882 | 48661.13 | 6153.277 | 3285.849 |

Sample Name: J4306-19      Acquired: 8/9/2018 15:36:48      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GS4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1504508 | -.007790 | 1.712085 | .0094004 | .0091518 | 56.33853 | 1.099108 |
| Stddev | .0035006 | .001662  | .008438  | .0023134 | .0039923 | .49306   | .007243  |
| %RSD   | 2.326742 | 21.32822 | .4928415 | 24.60991 | 43.62336 | .8751794 | .6589698 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1464777 | -.007272 | 1.704477 | .0079194 | .0047047 | 56.17217 | 1.096450 |
| #2 | .1530817 | -.006450 | 1.710618 | .0120663 | .0124270 | 55.95017 | 1.093570 |
| #3 | .1517928 | -.009649 | 1.721160 | .0082156 | .0103237 | 56.89326 | 1.107305 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0052297 | .0390948 | 113.9100 | .2149763 | .0643532 | .4997562 | 177.6869 |
| Stddev | .0000716 | .0000259 | .7536    | .0012647 | .0005601 | .0023977 | 1.3141   |
| %RSD   | 1.368923 | .0661267 | .6615795 | .5883123 | .8703157 | .4797656 | .7395538 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0051622 | .0391003 | 113.7583 | .2143250 | .0637796 | .5018678 | 177.2580 |
| #2 | .0052222 | .0391175 | 113.2438 | .2164339 | .0643812 | .4971497 | 176.6409 |
| #3 | .0053048 | .0390666 | 114.7279 | .2141699 | .0648988 | .5002510 | 179.1619 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.846485 | 39.23831 | .1154322 | .0077603 | 1.556311 | .4106079 | 1.306370 |
| Stddev | .026318  | .35389   | .0005448 | .0003650 | .109579  | .0102745 | .020371  |
| %RSD   | .6842002 | .9019102 | .4719737 | 4.702750 | 7.040926 | 2.502265 | 1.559395 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.837292 | 39.35941 | .1148847 | .0079452 | 1.647911 | .3999406 | 1.317803 |
| #2 | 3.825998 | 38.83977 | .1154376 | .0079958 | 1.434916 | .4204384 | 1.282850 |
| #3 | 3.876167 | 39.51577 | .1159743 | .0073399 | 1.586106 | .4114448 | 1.318457 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 20.78029 | 8.303663 | .2586492 | .0099425 | 5.346846 | 3.050134 | .0056367 |
| Stddev | .20764   | .009784  | .0049217 | .0005160 | .012957  | .011627  | .0007723 |
| %RSD   | .9991950 | .1178233 | 1.902832 | 5.190143 | .2423385 | .3811826 | 13.70033 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 20.67471 | 8.309653 | .2537934 | .0093482 | 5.332429 | 3.039053 | .0055411 |
| #2 | 20.64665 | 8.292373 | .2585199 | .0102031 | 5.350588 | 3.049110 | .0064523 |
| #3 | 21.01950 | 8.308963 | .2636342 | .0102764 | 5.357521 | 3.062239 | .0049167 |



Sample Name: J4306-19      Acquired: 8/9/2018 15:36:48      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GS4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.427017 | .0737253 | .3983880 |
| Stddev | .007740  | .0011985 | .0010572 |
| %RSD   | .5424200 | 1.625677 | .2653654 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.419152 | .0733393 | .3977637 |
| #2 | 1.434627 | .0750693 | .3977918 |
| #3 | 1.427273 | .0727674 | .3996087 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2076.811 | 3205.794 | 48820.90 | 6124.752 | 3520.007 |
| Stddev    | 5.508    | 4.264    | 267.09   | 13.860   | 6.168    |
| %RSD      | .2652128 | .1330147 | .5470852 | .2262891 | .1752388 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2072.303 | 3210.133 | 48714.71 | 6116.223 | 3526.848 |
| #2 | 2075.180 | 3205.641 | 48623.23 | 6117.289 | 3518.303 |
| #3 | 2082.950 | 3201.609 | 49124.75 | 6140.744 | 3514.869 |

Sample Name: J4306-20      Acquired: 8/9/2018 15:40:49      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GS6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1888045 | -.006579 | 3.564895 | .0125164 | .0136479 | 79.99135 | 1.922114 |
| Stddev | .0034960 | .002457  | .011483  | .0043765 | .0004990 | .72521   | .022008  |
| %RSD   | 1.851645 | 37.33880 | .3221247 | 34.96599 | 3.656389 | .9066117 | 1.144981 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1903474 | -.006167 | 3.552008 | .0175696 | .0132075 | 80.44589 | 1.930365 |
| #2 | .1912636 | -.009216 | 3.568636 | .0100458 | .0135465 | 80.37316 | 1.938805 |
| #3 | .1848025 | -.004355 | 3.574042 | .0099339 | .0141899 | 79.15500 | 1.897173 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0071927 | .0871566 | 325.0511 | .1322375 | .0783159 | .6085710 | 175.1798 |
| Stddev | .0000954 | .0002834 | 3.5884   | .0012312 | .0003898 | .0026731 | 1.6152   |
| %RSD   | 1.325826 | .3252021 | 1.103957 | .9310373 | .4977320 | .4392426 | .9220339 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0072602 | .0868550 | 326.4144 | .1314490 | .0779948 | .6083895 | 175.9977 |
| #2 | .0072344 | .0871973 | 327.7581 | .1316074 | .0782034 | .6113302 | 176.2226 |
| #3 | .0070836 | .0874174 | 320.9808 | .1336562 | .0787496 | .6059932 | 173.3193 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.065115 | 63.57923 | .1342876 | .0184057 | 1.572383 | .3876749 | 2.455976 |
| Stddev | .044697  | .60765   | .0012897 | .0005825 | .191517  | .0054389 | .048958  |
| %RSD   | .8824519 | .9557317 | .9603811 | 3.164784 | 12.18004 | 1.402968 | 1.993444 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.071214 | 63.95602 | .1329502 | .0190264 | 1.367042 | .3884266 | 2.447578 |
| #2 | 5.106450 | 63.90343 | .1343891 | .0178710 | 1.603956 | .3926988 | 2.411759 |
| #3 | 5.017682 | 62.87823 | .1355235 | .0183196 | 1.746152 | .3818991 | 2.508590 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 28.07377 | 13.00480 | .2615296 | .0071843 | 7.522334 | 9.092798 | .0171504 |
| Stddev | .29118   | .04590   | .0023655 | .0001688 | .026721  | .107981  | .0026038 |
| %RSD   | 1.037184 | .3529280 | .9044755 | 2.349585 | .3552175 | 1.187548 | 15.18199 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 28.37544 | 13.00701 | .2634097 | .0069916 | 7.519791 | 9.209396 | .0158584 |
| #2 | 28.05149 | 12.95784 | .2623055 | .0073060 | 7.496977 | 9.072758 | .0201475 |
| #3 | 27.79437 | 13.04956 | .2588736 | .0072553 | 7.550236 | 8.996241 | .0154453 |

Sample Name: J4306-20      Acquired: 8/9/2018 15:40:49      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GS6      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.508976 | .1106501 | .9795450 |
| Stddev | .019396  | .0006932 | .0093228 |
| %RSD   | 1.285344 | .6265110 | .9517469 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.516287 | .1100780 | .9849054 |
| #2 | 1.523654 | .1104512 | .9849496 |
| #3 | 1.486987 | .1114210 | .9687800 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2065.624 | 3231.036 | 48938.64 | 6241.902 | 3336.003 |
| Stddev    | 9.647    | 3.918    | 148.02   | 41.775   | 3.639    |
| %RSD      | .4670280 | .1212661 | .3024523 | .6692617 | .1090755 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2060.239 | 3234.793 | 48942.13 | 6203.465 | 3339.757 |
| #2 | 2076.762 | 3231.339 | 49084.87 | 6235.881 | 3335.760 |
| #3 | 2059.872 | 3226.974 | 48788.90 | 6286.360 | 3332.492 |

Sample Name: J4306-21      Acquired: 8/9/2018 15:44:50      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GS7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1400261 | -.007557 | 1.408152 | .0102051 | .0103910 | 100.1096 | 1.555216 |
| Stddev | .0041277 | .001653  | .008491  | .0048991 | .0018963 | .3038    | .001462  |
| %RSD   | 2.947824 | 21.87490 | .6030080 | 48.00602 | 18.24914 | .3035145 | .0940123 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1354470 | -.008881 | 1.399174 | .0103531 | .0082467 | 100.1085 | 1.555710 |
| #2 | .1434611 | -.008085 | 1.409228 | .0052337 | .0118471 | 100.4140 | 1.556366 |
| #3 | .1411701 | -.005704 | 1.416054 | .0150284 | .0110791 | 99.8063  | 1.553570 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0098117 | .0433010 | 257.0208 | .1482693 | .1067470 | .5772475 | 202.3822 |
| Stddev | .0000382 | .0002179 | .2909    | .0002722 | .0000511 | .0090568 | .2820    |
| %RSD   | .3890705 | .5032687 | .1131930 | .1836111 | .0478321 | 1.568958 | .1393644 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0098088 | .0431778 | 256.6851 | .1484529 | .1067997 | .5750019 | 202.6481 |
| #2 | .0097750 | .0431725 | 257.1983 | .1483985 | .1066977 | .5695247 | 202.0864 |
| #3 | .0098512 | .0435526 | 257.1791 | .1479565 | .1067438 | .5872158 | 202.4120 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.298470 | 72.83191 | .1558518 | .0072293 | 1.226636 | .3871884 | 1.587235 |
| Stddev | .007211  | .07076   | .0003377 | .0000497 | .098640  | .0035954 | .024249  |
| %RSD   | .1360988 | .0971620 | .2166930 | .6873790 | 8.041473 | .9286008 | 1.527752 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.301440 | 72.88184 | .1557048 | .0072315 | 1.124564 | .3841651 | 1.559398 |
| #2 | 5.290248 | 72.86296 | .1562381 | .0071785 | 1.233905 | .3862358 | 1.603769 |
| #3 | 5.303721 | 72.75093 | .1556125 | .0072778 | 1.321441 | .3911641 | 1.598537 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 47.28285 | 14.22647 | .2926796 | .0073824 | 5.732189 | 6.583773 | .0102440 |
| Stddev | .26288   | .09542   | .0018477 | .0002662 | .022532  | .018836  | .0015726 |
| %RSD   | .5559798 | .6707416 | .6313017 | 3.606007 | .3930758 | .2860939 | 15.35133 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 47.30984 | 14.16464 | .2906290 | .0076553 | 5.708083 | 6.567976 | .0116807 |
| #2 | 47.53120 | 14.17841 | .2942151 | .0071234 | 5.735765 | 6.578724 | .0104873 |
| #3 | 47.00752 | 14.33637 | .2931946 | .0073684 | 5.752719 | 6.604619 | .0085639 |

Sample Name: J4306-21      Acquired: 8/9/2018 15:44:50      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GS7      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 3.299483 | .1577948 | .7312256 |
| Stddev | .019026  | .0005500 | .0022905 |
| %RSD   | .5766402 | .3485290 | .3132364 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 3.311384 | .1583153 | .7327633 |
| #2 | 3.277540 | .1572195 | .7285932 |
| #3 | 3.309526 | .1578497 | .7323203 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2165.765 | 3360.499 | 51188.27 | 6451.790 | 3336.252 |
| Stddev    | 13.573   | 8.339    | 177.24   | 21.523   | 7.711    |
| %RSD      | .6267100 | .2481618 | .3462484 | .3335909 | .2311209 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2178.943 | 3365.977 | 51372.88 | 6447.074 | 3339.182 |
| #2 | 2166.525 | 3364.619 | 51172.49 | 6475.280 | 3342.068 |
| #3 | 2151.828 | 3350.901 | 51019.46 | 6433.017 | 3327.505 |

Sample Name: PB111884BL      Acquired: 8/9/2018 15:48:50      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: PBS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.001425 | -.001638 | -.000212 | .0014296 | -.003121 | -.001625 | -.000482 |
| Stddev | .003430  | .000743  | .001791  | .0011398 | .001036  | .009605  | .000897  |
| %RSD   | 240.7962 | 45.35255 | 845.3334 | 79.73359 | 33.20109 | 590.9799 | 185.9296 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .002536  | -.002490 | -.000947 | .0026882 | -.002002 | .007096  | -.000315 |
| #2 | -.003364 | -.001299 | .001830  | .0004668 | -.004047 | -.000053 | -.001451 |
| #3 | -.003446 | -.001126 | -.001519 | .0011336 | -.003316 | -.011919 | .000319  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000051 | -.000042 | -.015532 | .0003964 | -.000502 | -.002756 | .0126498 |
| Stddev | .000041  | .000065  | .013232  | .0002410 | .000084  | .004894  | .0086946 |
| %RSD   | 80.76472 | 153.9064 | 85.19222 | 60.80962 | 16.70411 | 177.5463 | 68.73306 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000086 | -.000052 | -.006945 | .0001577 | -.000495 | -.006340 | .0167006 |
| #2 | -.000062 | -.000102 | -.030770 | .0003918 | -.000589 | .002819  | .0185798 |
| #3 | -.000005 | .000027  | -.008881 | .0006397 | -.000421 | -.004749 | .0026689 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000043 | .0011791 | -.000227 | .0011497 | -.170365 | -.000347 | -.013931 |
| Stddev | .000744  | .0658287 | .000466  | .0001929 | .255470  | .005944  | .005432  |
| %RSD   | 1724.387 | 5582.706 | 205.7367 | 16.78014 | 149.9548 | 1712.625 | 38.99134 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000017 | -.040060 | .000295  | .0009792 | -.450994 | -.002626 | -.019813 |
| #2 | -.000800 | -.033499 | -.000602 | .0011108 | -.108792 | .006400  | -.009104 |
| #3 | .000687  | .077097  | -.000373 | .0013591 | .048692  | -.004815 | -.012876 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.185761 | -.006488 | -.008202 | -.000115 | -.002839 | .0013630 | -.000229 |
| Stddev | .008633  | .004019  | .000996  | .000269  | .003146  | .0011700 | .001738  |
| %RSD   | 4.647286 | 61.94930 | 12.14638 | 234.2786 | 110.8249 | 85.84126 | 758.8846 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.176134 | -.010070 | -.008664 | .000119  | -.004228 | .0024705 | -.001603 |
| #2 | -.192812 | -.002141 | -.007058 | -.000055 | -.005050 | .0001392 | .001725  |
| #3 | -.188338 | -.007254 | -.008882 | -.000409 | .000763  | .0014793 | -.000810 |

Sample Name: PB111884BL      Acquired: 8/9/2018 15:48:50      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: PBS002      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000915 | -.005154 | -.000102 |
| Stddev | .001537  | .001665  | .000040  |
| %RSD   | 167.9648 | 32.30615 | 38.90245 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.001823 | -.003303 | -.000099 |
| #2 | -.001781 | -.005631 | -.000142 |
| #3 | .000859  | -.006529 | -.000063 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1934.945 | 3010.520 | 44992.37 | 5518.000 | 3599.936 |
| Stddev    | 8.367    | 6.026    | 165.25   | 1.820    | 6.421    |
| %RSD      | .4324196 | .2001594 | .3672910 | .0329803 | .1783633 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1935.555 | 3014.559 | 44873.80 | 5516.575 | 3602.888 |
| #2 | 1926.290 | 3013.407 | 44922.18 | 5520.050 | 3604.351 |
| #3 | 1942.991 | 3003.594 | 45181.14 | 5517.375 | 3592.571 |

Sample Name: J4308-01      Acquired: 8/9/2018 15:57:08      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GS8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1282102 | -.006348 | .6216160 | .0089920 | .0082103 | 93.64023 | 1.525119 |
| Stddev | .0032361 | .007655  | .0034858 | .0034712 | .0015303 | .49517   | .004473  |
| %RSD   | 2.524031 | 120.5816 | .5607713 | 38.60299 | 18.63874 | .5288035 | .2933039 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1289227 | -.002201 | .6256387 | .0051299 | .0079271 | 93.07830 | 1.521691 |
| #2 | .1310307 | -.001662 | .6197258 | .0099947 | .0068414 | 93.82969 | 1.530179 |
| #3 | .1246773 | -.015181 | .6194836 | .0118516 | .0098624 | 94.01270 | 1.523486 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0084029 | .0201594 | 239.8055 | .1297320 | .0848553 | .4433365 | 178.6617 |
| Stddev | .0001964 | .0000917 | 1.0091   | .0006486 | .0003319 | .0067017 | .6712    |
| %RSD   | 2.337715 | .4550121 | .4208015 | .4999807 | .3911687 | 1.511652 | .3756856 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0084150 | .0201968 | 238.6680 | .1292223 | .0852012 | .4466072 | 177.8867 |
| #2 | .0082007 | .0200549 | 240.5931 | .1295116 | .0848255 | .4356275 | 179.0428 |
| #3 | .0085930 | .0202265 | 240.1552 | .1304622 | .0845393 | .4477749 | 179.0556 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.984620 | 69.55238 | .1496775 | .0033767 | 2.250795 | .3308781 | .9619841 |
| Stddev | .038466  | .37358   | .0001404 | .0005875 | .142253  | .0051201 | .0033884 |
| %RSD   | .7716852 | .5371175 | .0937904 | 17.39945 | 6.320133 | 1.547430 | .3522341 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.942267 | 69.12452 | .1495449 | .0028506 | 2.243870 | .3304026 | .9613999 |
| #2 | 5.017386 | 69.81386 | .1498246 | .0040107 | 2.396384 | .3362194 | .9656266 |
| #3 | 4.994206 | 69.71876 | .1496630 | .0032688 | 2.112131 | .3260124 | .9589257 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 43.24475 | 12.58026 | .2795397 | .0056325 | 6.709496 | 3.229216 | .0048042 |
| Stddev | .36520   | .01314   | .0022967 | .0003077 | .015216  | .042386  | .0019452 |
| %RSD   | .8444870 | .1044399 | .8215946 | 5.462711 | .2267883 | 1.312563 | 40.49004 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 42.83327 | 12.56533 | .2788741 | .0059608 | 6.705030 | 3.213825 | .0041937 |
| #2 | 43.37061 | 12.59008 | .2820956 | .0055861 | 6.697012 | 3.196677 | .0032374 |
| #3 | 43.53037 | 12.58537 | .2776493 | .0053507 | 6.726445 | 3.277147 | .0069814 |



Sample Name: J4308-01      Acquired: 8/9/2018 15:57:08      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GS8      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.288705 | .1469353 | .6482167 |
| Stddev | .013247  | .0025623 | .0019733 |
| %RSD   | .5788021 | 1.743858 | .3044172 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.288457 | .1498584 | .6488559 |
| #2 | 2.302075 | .1458704 | .6497911 |
| #3 | 2.275584 | .1450771 | .6460030 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2065.771 | 3222.293 | 48874.99 | 6189.204 | 3308.091 |
| Stddev    | 11.092   | 3.356    | 223.94   | 32.435   | 4.262    |
| %RSD      | .5369361 | .1041502 | .4581976 | .5240618 | .1288229 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2060.505 | 3226.153 | 48958.30 | 6200.563 | 3306.008 |
| #2 | 2058.293 | 3220.665 | 48621.33 | 6214.432 | 3312.993 |
| #3 | 2078.515 | 3220.061 | 49045.34 | 6152.617 | 3305.271 |

Sample Name: J4308-02      Acquired: 8/9/2018 16:01:11      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GS9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1497909 | -.005237 | 1.481303 | .0086833 | .0090307 | 85.25318 | 1.174809 |
| Stddev | .0030034 | .000946  | .002963  | .0016183 | .0011541 | .11148   | .003418  |
| %RSD   | 2.005062 | 18.06151 | .1999973 | 18.63702 | 12.78026 | .1307611 | .2909710 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1525403 | -.006244 | 1.478736 | .0070048 | .0082643 | 85.37503 | 1.177499 |
| #2 | .1465857 | -.005101 | 1.480627 | .0102338 | .0084696 | 85.22820 | 1.170962 |
| #3 | .1502467 | -.004367 | 1.484545 | .0088113 | .0103581 | 85.15631 | 1.175966 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0077254 | .0455839 | 92.70720 | .1156488 | .0792747 | .4559205 | 158.8408 |
| Stddev | .0000774 | .0002717 | .09240   | .0005619 | .0010451 | .0043236 | .0665    |
| %RSD   | 1.001895 | .5960727 | .0996656 | .4859005 | 1.318311 | .9483152 | .0418675 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0077444 | .0453177 | 92.81389 | .1150398 | .0782339 | .4597835 | 158.7776 |
| #2 | .0076403 | .0455733 | 92.65367 | .1157592 | .0792663 | .4567277 | 158.9101 |
| #3 | .0077915 | .0458608 | 92.65404 | .1161473 | .0803240 | .4512502 | 158.8346 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.155391 | 52.14861 | .1149556 | .0072292 | 1.304760 | .2831627 | 1.220499 |
| Stddev | .010855  | .18414   | .0011377 | .0003498 | .041297  | .0094051 | .010106  |
| %RSD   | .2612277 | .3531129 | .9896659 | 4.839095 | 3.165075 | 3.321445 | .8280345 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.147493 | 52.18138 | .1144973 | .0075115 | 1.275496 | .2890007 | 1.212428 |
| #2 | 4.150912 | 52.31418 | .1141186 | .0073382 | 1.286787 | .2723131 | 1.217237 |
| #3 | 4.167769 | 51.95029 | .1162510 | .0068379 | 1.351998 | .2881742 | 1.231834 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 36.23103 | 8.997502 | .2397633 | .0059410 | 3.666339 | 4.658765 | .0110781 |
| Stddev | .11976   | .050734  | .0008080 | .0003002 | .023956  | .051353  | .0009623 |
| %RSD   | .3305577 | .5638670 | .3369816 | 5.053675 | .6534014 | 1.102292 | 8.686904 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 36.18368 | 8.949135 | .2392108 | .0055958 | 3.644740 | 4.700398 | .0101715 |
| #2 | 36.14217 | 8.993060 | .2393885 | .0061413 | 3.662173 | 4.674516 | .0120879 |
| #3 | 36.36722 | 9.050311 | .2406906 | .0060860 | 3.692105 | 4.601381 | .0109751 |

Sample Name: J4308-02      Acquired: 8/9/2018 16:01:11      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GS9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 3.580256 | .1242401 | .5150499 |
| Stddev | .011823  | .0020358 | .0010660 |
| %RSD   | .3302360 | 1.638634 | .2069789 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 3.579068 | .1220133 | .5138605 |
| #2 | 3.592629 | .1247010 | .5153700 |
| #3 | 3.569072 | .1260060 | .5159193 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2124.881 | 3287.716 | 50118.43 | 6281.463 | 3434.370 |
| Stddev    | 11.661   | 3.685    | 129.30   | 21.964   | 14.867   |
| %RSD      | .5487691 | .1120764 | .2579857 | .3496592 | .4328898 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2119.378 | 3289.244 | 50009.89 | 6267.708 | 3444.495 |
| #2 | 2138.275 | 3290.391 | 50261.48 | 6269.888 | 3441.313 |
| #3 | 2116.989 | 3283.513 | 50083.90 | 6306.793 | 3417.301 |

Sample Name: J4308-03      Acquired: 8/9/2018 16:05:13      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GT0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1612213 | -.003914 | 2.122440 | .0109790 | .0099783 | 79.40330 | 1.496664 |
| Stddev | .0021023 | .001603  | .007704  | .0016529 | .0027254 | .09417   | .002598  |
| %RSD   | 1.303963 | 40.96331 | .3629854 | 15.05544 | 27.31321 | .1185970 | .1736042 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1610776 | -.003951 | 2.126439 | .0090751 | .0088306 | 79.34870 | 1.497084 |
| #2 | .1591946 | -.005499 | 2.113559 | .0118154 | .0130898 | 79.51204 | 1.499027 |
| #3 | .1633918 | -.002293 | 2.127323 | .0120467 | .0080144 | 79.34916 | 1.493881 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0070406 | .0501271 | 295.6260 | .1137996 | .0705104 | .4920317 | 147.9421 |
| Stddev | .0000792 | .0001939 | .8197    | .0004317 | .0001519 | .0022797 | .2938    |
| %RSD   | 1.124499 | .3868342 | .2772892 | .3793779 | .2153570 | .4633174 | .1986217 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0070488 | .0499104 | 295.1843 | .1142712 | .0703680 | .4894309 | 147.8436 |
| #2 | .0071154 | .0501867 | 296.5719 | .1137039 | .0706702 | .4936840 | 148.2725 |
| #3 | .0069577 | .0502842 | 295.1219 | .1134238 | .0704930 | .4929802 | 147.7102 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.814335 | 64.17691 | .1200948 | .0107493 | 1.208559 | .2841984 | 1.922574 |
| Stddev | .026186  | .12473   | .0009547 | .0001885 | .205043  | .0028055 | .041485  |
| %RSD   | .5439126 | .1943462 | .7949295 | 1.753612 | 16.96590 | .9871640 | 2.157801 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.803824 | 64.29978 | .1194183 | .0105371 | 1.176613 | .2846582 | 1.921958 |
| #2 | 4.844143 | 64.18055 | .1196794 | .0108136 | 1.021364 | .2811915 | 1.964365 |
| #3 | 4.795037 | 64.05041 | .1211868 | .0108972 | 1.427700 | .2867457 | 1.881401 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 27.69355 | 10.71993 | .2326990 | .0054629 | 6.901957 | 5.853857 | .0122439 |
| Stddev | .15177   | .04376   | .0015498 | .0001898 | .040061  | .078418  | .0010327 |
| %RSD   | .5480295 | .4082017 | .6659945 | 3.474660 | .5804343 | 1.339600 | 8.434331 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 27.53704 | 10.70889 | .2310640 | .0053402 | 6.882864 | 5.868254 | .0129336 |
| #2 | 27.84008 | 10.68276 | .2328866 | .0056815 | 6.875014 | 5.924079 | .0127415 |
| #3 | 27.70353 | 10.76816 | .2341465 | .0053669 | 6.947993 | 5.769238 | .0110566 |

Sample Name: J4308-03      Acquired: 8/9/2018 16:05:13      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GT0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.594613 | .1127841 | .9088776 |
| Stddev | .002774  | .0020518 | .0017242 |
| %RSD   | .1739708 | 1.819253 | .1897015 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.591412 | .1123376 | .9105242 |
| #2 | 1.596106 | .1109923 | .9090233 |
| #3 | 1.596320 | .1150224 | .9070852 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2079.537 | 3188.869 | 49201.52 | 6198.529 | 3346.032 |
| Stddev    | 9.915    | 5.220    | 127.34   | 31.173   | 7.726    |
| %RSD      | .4767697 | .1637087 | .2588180 | .5029121 | .2309114 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2080.361 | 3191.676 | 49348.17 | 6198.394 | 3350.127 |
| #2 | 2069.237 | 3192.086 | 49118.87 | 6167.424 | 3350.849 |
| #3 | 2089.015 | 3182.845 | 49137.53 | 6229.769 | 3337.120 |

Sample Name: J4308-04      Acquired: 8/9/2018 16:09:11      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GT1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1500490 | -.004561 | 2.580957 | .0138749 | .0120486 | 77.93185 | 1.578064 |
| Stddev | .0037404 | .003583  | .007935  | .0012177 | .0033983 | .18964   | .003660  |
| %RSD   | 2.492777 | 78.54084 | .3074367 | 8.776182 | 28.20502 | .2433472 | .2319092 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1532181 | -.004185 | 2.576584 | .0125600 | .0131317 | 77.94627 | 1.581684 |
| #2 | .1510056 | -.001182 | 2.576171 | .0149636 | .0082407 | 78.11387 | 1.578144 |
| #3 | .1459232 | -.008317 | 2.590117 | .0141012 | .0147733 | 77.73540 | 1.574366 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0068868 | .0697182 | 223.5989 | .1171051 | .0676112 | .5695456 | 148.2559 |
| Stddev | .0000534 | .0003058 | .8932    | .0005251 | .0008199 | .0037182 | .5606    |
| %RSD   | .7754770 | .4386861 | .3994508 | .4484192 | 1.212613 | .6528396 | .3781301 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0068333 | .0695709 | 224.0518 | .1168403 | .0684654 | .5722166 | 148.3625 |
| #2 | .0069401 | .0695140 | 224.1749 | .1177099 | .0668307 | .5652990 | 148.7555 |
| #3 | .0068871 | .0700699 | 222.5700 | .1167651 | .0675375 | .5711213 | 147.6496 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.429391 | 60.85323 | .1147204 | .0131322 | 1.508534 | .2784043 | 1.865413 |
| Stddev | .019704  | .09976   | .0001600 | .0004019 | .206690  | .0033321 | .018660  |
| %RSD   | .4448455 | .1639321 | .1395007 | 3.060310 | 13.70139 | 1.196855 | 1.000315 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.442533 | 60.77991 | .1148170 | .0130318 | 1.456853 | .2772507 | 1.884382 |
| #2 | 4.438904 | 60.96683 | .1148086 | .0127900 | 1.332589 | .2821599 | 1.864778 |
| #3 | 4.406735 | 60.81294 | .1145357 | .0135748 | 1.736161 | .2758024 | 1.847078 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 29.76454 | 14.31461 | .2404078 | .0061226 | 8.599629 | 3.484226 | .0255976 |
| Stddev | .15724   | .04666   | .0037712 | .0001188 | .033742  | .041884  | .0009844 |
| %RSD   | .5282663 | .3259631 | 1.568681 | 1.939475 | .3923656 | 1.202098 | 3.845601 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 29.73203 | 14.27361 | .2387263 | .0060056 | 8.563846 | 3.521981 | .0245854 |
| #2 | 29.93549 | 14.30486 | .2447273 | .0061192 | 8.604171 | 3.439173 | .0256557 |
| #3 | 29.62610 | 14.36538 | .2377698 | .0062430 | 8.630870 | 3.491525 | .0265516 |

Sample Name: J4308-04      Acquired: 8/9/2018 16:09:11      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GT1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.525517 | .1030374 | .8240383 |
| Stddev | .010861  | .0020005 | .0026057 |
| %RSD   | .7119361 | 1.941509 | .3162055 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.536976 | .1053078 | .8262955 |
| #2 | 1.524201 | .1022711 | .8246324 |
| #3 | 1.515375 | .1015334 | .8211869 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2071.710 | 3194.529 | 49204.34 | 6171.280 | 3386.392 |
| Stddev    | 7.405    | 7.385    | 101.68   | 18.454   | 11.198   |
| %RSD      | .3574193 | .2311789 | .2066465 | .2990352 | .3306756 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2075.155 | 3198.656 | 49257.40 | 6155.332 | 3390.800 |
| #2 | 2076.764 | 3198.929 | 49087.10 | 6167.015 | 3394.716 |
| #3 | 2063.210 | 3186.003 | 49268.51 | 6191.494 | 3373.661 |

Sample Name: J4308-05      Acquired: 8/9/2018 16:13:09      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GT2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1552624 | -.008703 | 2.183516 | .0128477 | .0110741 | 86.06763 | 1.656583 |
| Stddev | .0016156 | .004248  | .014214  | .0039395 | .0001810 | .03663   | .003890  |
| %RSD   | 1.040553 | 48.80632 | .6509642 | 30.66319 | 1.634316 | .0425587 | .2348386 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1567507 | -.012275 | 2.174099 | .0162721 | .0108742 | 86.10331 | 1.659854 |
| #2 | .1554924 | -.004006 | 2.176582 | .0085423 | .0112269 | 86.06946 | 1.652281 |
| #3 | .1535441 | -.009827 | 2.199866 | .0137287 | .0111212 | 86.03012 | 1.657614 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0072369 | .0529062 | 294.2758 | .1662500 | .0829295 | .4794578 | 191.6276 |
| Stddev | .0000254 | .0003743 | .6713    | .0015958 | .0002690 | .0064291 | .3101    |
| %RSD   | .3513945 | .7074445 | .2281221 | .9598818 | .3243582 | 1.340907 | .1618233 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0072490 | .0528302 | 295.0509 | .1678396 | .0826494 | .4867659 | 191.9588 |
| #2 | .0072539 | .0525757 | 293.8803 | .1662623 | .0829534 | .4769334 | 191.3442 |
| #3 | .0072076 | .0533126 | 293.8962 | .1646481 | .0831858 | .4746740 | 191.5796 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.841801 | 59.96022 | .1441634 | .0084338 | 1.253444 | .4272313 | 1.693641 |
| Stddev | .022515  | .13218   | .0005158 | .0000995 | .166230  | .0100329 | .036523  |
| %RSD   | .4650198 | .2204456 | .3577836 | 1.179542 | 13.26182 | 2.348350 | 2.156453 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.863061 | 59.86318 | .1438344 | .0085288 | 1.108896 | .4191646 | 1.716008 |
| #2 | 4.818212 | 60.11077 | .1438981 | .0084422 | 1.216349 | .4384657 | 1.713421 |
| #3 | 4.844130 | 59.90673 | .1447579 | .0083304 | 1.435087 | .4240636 | 1.651495 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 31.49569 | 14.21507 | .2873349 | .0079913 | 7.079671 | 2.842527 | .0177729 |
| Stddev | .05748   | .04123   | .0011531 | .0002686 | .002628  | .014120  | .0005494 |
| %RSD   | .1825079 | .2900310 | .4012978 | 3.361231 | .0371221 | .4967489 | 3.091188 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 31.46234 | 14.16765 | .2886231 | .0082688 | 7.076658 | 2.856735 | .0171504 |
| #2 | 31.46266 | 14.23515 | .2869826 | .0079726 | 7.080866 | 2.828496 | .0179780 |
| #3 | 31.56206 | 14.24241 | .2863991 | .0077326 | 7.081490 | 2.842349 | .0181901 |



Sample Name: J4308-05      Acquired: 8/9/2018 16:13:09      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GT2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.972890 | .1151890 | .8918364 |
| Stddev | .016811  | .0029373 | .0032018 |
| %RSD   | .8521176 | 2.549985 | .3590123 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.989910 | .1166619 | .8948356 |
| #2 | 1.956295 | .1170984 | .8884646 |
| #3 | 1.972466 | .1118066 | .8922089 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2081.470 | 3196.329 | 49183.38 | 6212.214 | 3313.756 |
| Stddev    | 7.690    | 9.073    | 81.05    | 5.710    | 12.707   |
| %RSD      | .3694410 | .2838652 | .1647816 | .0919123 | .3834482 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2082.486 | 3203.161 | 49165.27 | 6205.862 | 3323.785 |
| #2 | 2073.322 | 3199.791 | 49112.92 | 6216.919 | 3318.017 |
| #3 | 2088.601 | 3186.034 | 49271.94 | 6213.862 | 3299.467 |

Sample Name: J4308-06      Acquired: 8/9/2018 16:17:08      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GT3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1158602 | -.009724 | .7041388 | .0071720 | .0075767 | 93.47324 | 1.103548 |
| Stddev | .0049271 | .003432  | .0045205 | .0020891 | .0015087 | .23284   | .002521  |
| %RSD   | 4.252621 | 35.29229 | .6419874 | 29.12799 | 19.91287 | .2490950 | .2284350 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1174748 | -.012825 | .7071762 | .0050538 | .0058350 | 93.59922 | 1.105092 |
| #2 | .1103284 | -.010309 | .7062964 | .0072316 | .0084839 | 93.20456 | 1.104913 |
| #3 | .1197774 | -.006037 | .6989437 | .0092307 | .0084110 | 93.61594 | 1.100639 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0081766 | .0235166 | 92.74119 | .1118340 | .0813064 | .3968837 | 157.1414 |
| Stddev | .0000643 | .0001192 | .15210   | .0001362 | .0005659 | .0017566 | .2185    |
| %RSD   | .7865179 | .5068538 | .1640102 | .1218209 | .6959435 | .4426031 | .1390783 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0081167 | .0233794 | 92.90287 | .1119397 | .0815723 | .3949471 | 157.0146 |
| #2 | .0081687 | .0235762 | 92.71976 | .1116803 | .0806566 | .3983744 | 157.0159 |
| #3 | .0082445 | .0235943 | 92.60094 | .1118821 | .0816903 | .3973296 | 157.3938 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.905594 | 56.92887 | .1201099 | .0049089 | 1.445369 | .2590928 | 1.049470 |
| Stddev | .003148  | .29888   | .0004496 | .0001591 | .028311  | .0061857 | .006122  |
| %RSD   | .0806070 | .5250122 | .3742858 | 3.240527 | 1.958771 | 2.387427 | .5832965 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.905578 | 56.67974 | .1196504 | .0048368 | 1.477870 | .2585677 | 1.052155 |
| #2 | 3.908750 | 56.84660 | .1201307 | .0047986 | 1.426069 | .2655243 | 1.042465 |
| #3 | 3.902454 | 57.26027 | .1205488 | .0050913 | 1.432167 | .2531864 | 1.053791 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 33.89606 | 7.270797 | .2397873 | .0044295 | 3.745084 | 2.574307 | .0108316 |
| Stddev | .16222   | .026347  | .0020027 | .0007330 | .001384  | .007932  | .0016399 |
| %RSD   | .4785903 | .3623647 | .8351949 | 16.54848 | .0369523 | .3081182 | 15.14034 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 33.83215 | 7.252153 | .2377385 | .0038500 | 3.746458 | 2.582794 | .0099635 |
| #2 | 33.77552 | 7.259300 | .2398829 | .0052535 | 3.743690 | 2.567082 | .0127231 |
| #3 | 34.08050 | 7.300939 | .2417404 | .0041849 | 3.745105 | 2.573046 | .0098081 |

Sample Name: J4308-06      Acquired: 8/9/2018 16:17:08      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GT3      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 3.675582 | .1354995 | .5369654 |
| Stddev | .019966  | .0007979 | .0001968 |
| %RSD   | .5432059 | .5888544 | .0366413 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 3.689551 | .1359720 | .5370342 |
| #2 | 3.684481 | .1359481 | .5371186 |
| #3 | 3.652714 | .1345782 | .5367435 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2115.158 | 3261.733 | 49705.99 | 6241.683 | 3397.621 |
| Stddev    | 3.550    | 5.402    | 74.82    | 24.325   | 1.864    |
| %RSD      | .1678219 | .1656037 | .1505204 | .3897226 | .0548711 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2116.955 | 3267.103 | 49714.12 | 6235.455 | 3399.766 |
| #2 | 2111.070 | 3256.300 | 49776.41 | 6268.517 | 3396.388 |
| #3 | 2117.451 | 3261.796 | 49627.44 | 6221.077 | 3396.710 |

Sample Name: J4308-07      Acquired: 8/9/2018 16:21:08      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GT4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1378214 | -.007618 | 1.841813 | .0115611 | .0091587 | 73.58798 | 1.511229 |
| Stddev | .0037371 | .003293  | .008145  | .0022158 | .0010326 | .21424   | .006286  |
| %RSD   | 2.711549 | 43.22771 | .4422298 | 19.16611 | 11.27403 | .2911343 | .4159830 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1341502 | -.006541 | 1.847057 | .0140783 | .0092112 | 73.67841 | 1.515449 |
| #2 | .1416210 | -.011315 | 1.832429 | .0106996 | .0101641 | 73.34335 | 1.504004 |
| #3 | .1376930 | -.004999 | 1.845952 | .0099054 | .0081010 | 73.74218 | 1.514234 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0063958 | .0553159 | 258.1157 | .1310297 | .0671851 | .4533660 | 169.4718 |
| Stddev | .0000580 | .0002580 | .7412    | .0007170 | .0001759 | .0051847 | .4299    |
| %RSD   | .9062549 | .4663296 | .2871441 | .5471647 | .2618010 | 1.143603 | .2536562 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0064386 | .0551985 | 258.6055 | .1311575 | .0671777 | .4489895 | 169.5295 |
| #2 | .0063299 | .0551376 | 257.2630 | .1302575 | .0670130 | .4520164 | 169.0159 |
| #3 | .0064190 | .0556117 | 258.4785 | .1316742 | .0673645 | .4590920 | 169.8698 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.210050 | 54.95667 | .1185125 | .0089470 | 1.599535 | .3601925 | 1.632974 |
| Stddev | .016931  | .14148   | .0009311 | .0005181 | .224442  | .0066597 | .005847  |
| %RSD   | .4021524 | .2574392 | .7856576 | 5.791191 | 14.03173 | 1.848917 | .3580712 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.222392 | 54.85818 | .1184861 | .0095078 | 1.375506 | .3531073 | 1.637621 |
| #2 | 4.190749 | 54.89303 | .1194566 | .0088473 | 1.598709 | .3611463 | 1.626409 |
| #3 | 4.217010 | 55.11879 | .1175949 | .0084860 | 1.824389 | .3663238 | 1.634893 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 26.99031 | 15.31387 | .2633469 | .0080441 | 7.646476 | 3.612705 | .0076705 |
| Stddev | .10570   | .03007   | .0026918 | .0003421 | .022233  | .013089  | .0007295 |
| %RSD   | .3916095 | .1963534 | 1.022133 | 4.253272 | .2907550 | .3623049 | 9.510608 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 27.02814 | 15.28962 | .2636398 | .0076967 | 7.643981 | 3.612762 | .0074291 |
| #2 | 26.87090 | 15.30449 | .2605207 | .0083807 | 7.625596 | 3.625766 | .0070924 |
| #3 | 27.07189 | 15.34752 | .2658802 | .0080550 | 7.669851 | 3.599588 | .0084902 |

Sample Name: J4308-07      Acquired: 8/9/2018 16:21:08      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GT4      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.548681 | .0979083 | .8144533 |
| Stddev | .012789  | .0018620 | .0032646 |
| %RSD   | .8257995 | 1.901727 | .4008372 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.563282 | .0999852 | .8182133 |
| #2 | 1.539469 | .0973511 | .8128078 |
| #3 | 1.543290 | .0963886 | .8123389 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2029.456 | 3153.242 | 48469.27 | 6104.819 | 3352.540 |
| Stddev    | 9.011    | 6.046    | 38.75    | 20.172   | 3.789    |
| %RSD      | .4440134 | .1917519 | .0799528 | .3304246 | .1130041 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2022.362 | 3158.950 | 48494.60 | 6118.292 | 3352.983 |
| #2 | 2026.410 | 3153.870 | 48488.54 | 6081.628 | 3356.088 |
| #3 | 2039.595 | 3146.906 | 48424.65 | 6114.538 | 3348.550 |

Sample Name: J4308-08      Acquired: 8/9/2018 16:25:07      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GT5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1108848 | -.005134 | 2.847961 | .0108302 | .0077233 | 71.95801 | 1.972499 |
| Stddev | .0083630 | .003187  | .008077  | .0036529 | .0036271 | .05537   | .002099  |
| %RSD   | 7.542062 | 62.06415 | .2836160 | 33.72853 | 46.96343 | .0769459 | .1064324 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1012998 | -.006690 | 2.851398 | .0150187 | .0071266 | 71.96890 | 1.974449 |
| #2 | .1166949 | -.001469 | 2.838733 | .0091667 | .0116118 | 72.00713 | 1.972773 |
| #3 | .1146598 | -.007245 | 2.853751 | .0083051 | .0044315 | 71.89801 | 1.970277 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0062739 | .0528913 | 318.8434 | .1239142 | .0667910 | .4951621 | 153.2739 |
| Stddev | .0001101 | .0001724 | .6154    | .0002576 | .0004127 | .0053351 | .3124    |
| %RSD   | 1.754273 | .3259651 | .1930196 | .2079206 | .6179728 | 1.077436 | .2038235 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0061698 | .0530146 | 319.2647 | .1240134 | .0663522 | .4896364 | 153.5600 |
| #2 | .0062628 | .0526943 | 319.1284 | .1241074 | .0668491 | .5002835 | 153.3212 |
| #3 | .0063891 | .0529651 | 318.1372 | .1236217 | .0671716 | .4955663 | 152.9406 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.393254 | 68.85356 | .1424316 | .0084969 | 1.660700 | .2819766 | 1.861562 |
| Stddev | .019996  | .28312   | .0006968 | .0001999 | .070287  | .0019331 | .023155  |
| %RSD   | .4551490 | .4111899 | .4891927 | 2.352023 | 4.232379 | .6855510 | 1.243838 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.397609 | 69.06877 | .1432184 | .0087082 | 1.629966 | .2828773 | 1.863857 |
| #2 | 4.410713 | 68.95907 | .1418925 | .0084716 | 1.611014 | .2832951 | 1.883484 |
| #3 | 4.371439 | 68.53284 | .1421839 | .0083109 | 1.741119 | .2797576 | 1.837345 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 26.00904 | 19.32527 | .2621072 | .0075254 | 11.52831 | 4.936307 | .0232080 |
| Stddev | .08498   | .04555   | .0008745 | .0003346 | .01475   | .020531  | .0011348 |
| %RSD   | .3267151 | .2356846 | .3336496 | 4.446892 | .1279766 | .4159153 | 4.889676 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 25.93058 | 19.27373 | .2627343 | .0077990 | 11.51301 | 4.916192 | .0233260 |
| #2 | 25.99726 | 19.36011 | .2611082 | .0071523 | 11.54244 | 4.935499 | .0220188 |
| #3 | 26.09930 | 19.34197 | .2624791 | .0076249 | 11.52950 | 4.957230 | .0242792 |

Sample Name: J4308-08      Acquired: 8/9/2018 16:25:07      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GT5      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .9220604 | .1014660 | .9486277 |
| Stddev | .0067970 | .0014316 | .0034575 |
| %RSD   | .7371517 | 1.410865 | .3644767 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .9229764 | .1004979 | .9478450 |
| #2 | .9283529 | .1031104 | .9524095 |
| #3 | .9148518 | .1007898 | .9456286 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2026.107 | 3143.544 | 48448.99 | 6094.443 | 3318.613 |
| Stddev    | 10.321   | 8.702    | 108.14   | 19.364   | 9.604    |
| %RSD      | .5094217 | .2768318 | .2232017 | .3177398 | .2894078 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2036.728 | 3133.584 | 48444.26 | 6086.373 | 3307.523 |
| #2 | 2016.114 | 3149.672 | 48343.29 | 6080.418 | 3324.211 |
| #3 | 2025.479 | 3147.378 | 48559.42 | 6116.537 | 3324.105 |

Sample Name: PB111836BS      Acquired: 8/9/2018 16:29:06      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: LCS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0189962 | .0454781 | .0185698 | .0766951 | .1204380 | .3661717 |
| Stddev | .0010997 | .0014117 | .0012587 | .0034438 | .0021798 | .0071450 |
| %RSD   | 5.789063 | 3.104039 | 6.778026 | 4.490208 | 1.809889 | 1.951271 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0193499 | .0456290 | .0180260 | .0727204 | .1195102 | .3723860 |
| #2 | .0177631 | .0468083 | .0200090 | .0787876 | .1188756 | .3677643 |
| #3 | .0198755 | .0439971 | .0176745 | .0785772 | .1229282 | .3583647 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3765274 | .0102907 | .0099510 | 9.158082 | .0212742 | .0930762 |
| Stddev | .0010318 | .0001826 | .0000380 | .030651  | .0005746 | .0002763 |
| %RSD   | .2740400 | 1.774944 | .3818877 | .3346911 | 2.700907 | .2968302 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3774614 | .0102493 | .0099159 | 9.124195 | .0215461 | .0928814 |
| #2 | .3767010 | .0101323 | .0099913 | 9.166178 | .0206142 | .0929547 |
| #3 | .3754197 | .0104905 | .0099458 | 9.183872 | .0216625 | .0933924 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0496091 | .2234875 | .0293962 | 9.080274 | .0781108 | .0193185 |
| Stddev | .0022684 | .0102331 | .0003759 | .166894  | .0001063 | .0000960 |
| %RSD   | 4.572497 | 4.578826 | 1.278720 | 1.837986 | .1360542 | .4971127 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0509132 | .2279616 | .0290060 | 9.254319 | .0779917 | .0193709 |
| #2 | .0469898 | .2307215 | .0294268 | 9.064909 | .0781448 | .0193768 |
| #3 | .0509243 | .2117792 | .0297559 | 8.921593 | .0781959 | .0192076 |

|        |          |          |          |          |            |          |
|--------|----------|----------|----------|----------|------------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm      |
| Avg    | 8.582011 | .0900177 | .0989169 | 8.120077 | F .1797109 | .0092433 |
| Stddev | .125016  | .0019182 | .0021893 | .047796  | .0043305   | .0004495 |
| %RSD   | 1.456717 | 2.130867 | 2.213241 | .5886194 | 2.409707   | 4.863162 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 8.615725 | .0921182 | .1012038 | 8.103262 | .1777089 | .0097586 |
| #2 | 8.443596 | .0895761 | .0968404 | 8.082960 | .1767437 | .0090393 |
| #3 | 8.686712 | .0883589 | .0987066 | 8.174008 | .1846802 | .0089319 |



Sample Name: PB111836BS      Acquired: 8/9/2018 16:29:06      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: LCS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0199503 | .1771640 | .1814957 | F .0121305 | .0950579 | .0852983 |
| Stddev | .0003203 | .0017646 | .0033499 | .0021739   | .0011527 | .0011175 |
| %RSD   | 1.605238 | .9960417 | 1.845726 | 17.92110   | 1.212610 | 1.310066 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0196992 | .1787839 | .1841063 | .0134686 | .0946324 | .0863116 |
| #2 | .0198408 | .1774247 | .1777184 | .0096222 | .0941784 | .0854835 |
| #3 | .0203109 | .1752836 | .1826623 | .0133008 | .0963628 | .0840999 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1930931 |
| Stddev | .0002261 |
| %RSD   | .1170792 |

|    |          |
|----|----------|
| #1 | .1929034 |
| #2 | .1933432 |
| #3 | .1930326 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1918.014 | 2981.533 | 44979.47 | 5497.083 | 3607.134 |
| Stddev    | 11.840   | 8.571    | 124.10   | 32.157   | 9.847    |
| %RSD      | .6173116 | .2874833 | .2759123 | .5849897 | .2729998 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1908.287 | 2986.512 | 44984.86 | 5460.275 | 3611.513 |
| #2 | 1931.198 | 2986.451 | 44852.75 | 5519.725 | 3614.032 |
| #3 | 1914.558 | 2971.636 | 45100.79 | 5511.250 | 3595.856 |

Sample Name: PB111884BS      Acquired: 8/9/2018 16:33:16      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: LCS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0228478 | .0470794 | .0192281 | .0717355 | .1183108 | .3582352 |
| Stddev | .0034391 | .0010062 | .0008152 | .0023305 | .0012876 | .0085920 |
| %RSD   | 15.05205 | 2.137243 | 4.239435 | 3.248695 | 1.088308 | 2.398431 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0232378 | .0460075 | .0198588 | .0720146 | .1173377 | .3588956 |
| #2 | .0260752 | .0480037 | .0183077 | .0692780 | .1178239 | .3493320 |
| #3 | .0192304 | .0472269 | .0195179 | .0739138 | .1197708 | .3664780 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3735965 | .0102099 | .0099198 | 9.054597 | .0205668 | .0918807 |
| Stddev | .0012446 | .0000736 | .0001138 | .047409  | .0002268 | .0007874 |
| %RSD   | .3331430 | .7208832 | 1.147305 | .5235916 | 1.102907 | .8569980 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3749259 | .0102685 | .0100046 | 9.104297 | .0208073 | .0919030 |
| #2 | .3724590 | .0102339 | .0099644 | 9.049624 | .0205362 | .0910824 |
| #3 | .3734046 | .0101273 | .0097905 | 9.009871 | .0203568 | .0926567 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0560023 | .2281240 | .0301403 | 9.034574 | .0769660 | .0192845 |
| Stddev | .0038922 | .0167367 | .0019033 | .117767  | .0004242 | .0007866 |
| %RSD   | 6.950161 | 7.336680 | 6.314640 | 1.303515 | .5511081 | 4.079181 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0518690 | .2465436 | .0323378 | 9.125721 | .0773699 | .0199398 |
| #2 | .0565402 | .2138490 | .0290197 | 9.076398 | .0770040 | .0184121 |
| #3 | .0595976 | .2239792 | .0290634 | 8.901603 | .0765241 | .0195016 |

|        |          |          |          |          |            |          |
|--------|----------|----------|----------|----------|------------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm      |
| Avg    | 8.734141 | .0959941 | .0913508 | 8.120673 | F .1782440 | .0083985 |
| Stddev | .152747  | .0033661 | .0073805 | .081201  | .0012859   | .0014448 |
| %RSD   | 1.748846 | 3.506527 | 8.079254 | .9999272 | .7214302   | 17.20323 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 8.648213 | .0921465 | .0893124 | 8.112281 | .1775164 | .0068311 |
| #2 | 8.910499 | .0983944 | .0995363 | 8.043993 | .1797287 | .0086874 |
| #3 | 8.643712 | .0974415 | .0852038 | 8.205743 | .1774869 | .0096771 |

Sample Name: PB111884BS      Acquired: 8/9/2018 16:33:16      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: LCS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0196870 | .1747270 | .1775292 | F .0122278 | .0920193 | .0846442 |
| Stddev | .0001876 | .0099012 | .0026409 | .0004575   | .0037247 | .0036071 |
| %RSD   | .9530460 | 5.666653 | 1.487595 | 3.741636   | 4.047773 | 4.261518 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0194707 | .1751352 | .1805561 | .0118979 | .0925301 | .0878698 |
| #2 | .0197836 | .1646280 | .1756950 | .0127501 | .0954623 | .0807493 |
| #3 | .0198066 | .1844178 | .1763365 | .0120355 | .0880656 | .0853135 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1917277 |
| Stddev | .0002970 |
| %RSD   | .1549176 |

|    |          |
|----|----------|
| #1 | .1920536 |
| #2 | .1916574 |
| #3 | .1914721 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1921.031 | 2991.054 | 44954.89 | 5521.525 | 3624.677 |
| Stddev    | 8.681    | 7.570    | 157.64   | 17.144   | 9.988    |
| %RSD      | .4519078 | .2530746 | .3506520 | .3104943 | .2755611 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1911.111 | 2997.450 | 44775.44 | 5506.975 | 3630.790 |
| #2 | 1924.746 | 2993.017 | 45071.02 | 5517.175 | 3630.090 |
| #3 | 1927.237 | 2982.697 | 45018.21 | 5540.425 | 3613.151 |

Sample Name: J4308-09      Acquired: 8/9/2018 16:40:06      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GT6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1508034 | -.008876 | 2.288326 | .0102597 | .0132669 | 83.37507 | 1.826878 |
| Stddev | .0047010 | .003208  | .014212  | .0004394 | .0024312 | .31631   | .005247  |
| %RSD   | 3.117310 | 36.13976 | .6210679 | 4.282878 | 18.32521 | .3793848 | .2872279 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1487512 | -.009549 | 2.293026 | .0106375 | .0130648 | 83.00991 | 1.821134 |
| #2 | .1561817 | -.005385 | 2.272359 | .0097775 | .0109430 | 83.56465 | 1.828078 |
| #3 | .1474775 | -.011694 | 2.299592 | .0103642 | .0157928 | 83.55064 | 1.831421 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0068178 | .0654542 | 316.2865 | .1350394 | .0811386 | .4710155 | 179.1529 |
| Stddev | .0001751 | .0002857 | 1.8073   | .0008897 | .0003673 | .0032512 | 1.1936   |
| %RSD   | 2.568534 | .4364661 | .5714083 | .6588304 | .4526170 | .6902618 | .6662528 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0066163 | .0654879 | 314.5658 | .1358513 | .0814016 | .4730574 | 177.7757 |
| #2 | .0069040 | .0651532 | 316.1241 | .1351785 | .0807190 | .4672663 | 179.8883 |
| #3 | .0069331 | .0657215 | 318.1695 | .1340883 | .0812952 | .4727229 | 179.7948 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.623506 | 58.93292 | .1589614 | .0095824 | 1.206470 | .3914786 | 1.843594 |
| Stddev | .035107  | .29330   | .0006276 | .0001501 | .043129  | .0080196 | .036155  |
| %RSD   | .7593099 | .4976894 | .3948113 | 1.566254 | 3.574781 | 2.048545 | 1.961100 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.588052 | 58.61951 | .1592229 | .0097134 | 1.157041 | .3823585 | 1.843400 |
| #2 | 4.624210 | 58.97846 | .1582453 | .0096151 | 1.236446 | .3946488 | 1.807536 |
| #3 | 4.658255 | 59.20078 | .1594160 | .0094187 | 1.225922 | .3974286 | 1.879845 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 27.86612 | 15.53994 | .2717670 | .0092225 | 6.820749 | 6.178689 | .0182800 |
| Stddev | .21061   | .10637   | .0022009 | .0001597 | .037714  | .065526  | .0013628 |
| %RSD   | .7557864 | .6845180 | .8098340 | 1.731270 | .5529342 | 1.060518 | 7.455280 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 27.62807 | 15.50739 | .2694329 | .0090496 | 6.831949 | 6.136958 | .0168706 |
| #2 | 27.94211 | 15.45363 | .2738045 | .0092537 | 6.778703 | 6.144896 | .0183784 |
| #3 | 28.02819 | 15.65878 | .2720635 | .0093643 | 6.851595 | 6.254213 | .0195909 |

Sample Name: J4308-09      Acquired: 8/9/2018 16:40:06      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GT6      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.606599 | .1106025 | .9153646 |
| Stddev | .003202  | .0012371 | .0020308 |
| %RSD   | .1992758 | 1.118502 | .2218573 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.602912 | .1118738 | .9130670 |
| #2 | 1.608213 | .1094027 | .9161073 |
| #3 | 1.608672 | .1105310 | .9169195 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2063.460 | 3163.938 | 49121.58 | 6248.515 | 3320.144 |
| Stddev    | 27.815   | 9.689    | 241.53   | 28.932   | 11.375   |
| %RSD      | 1.347992 | .3062351 | .4917002 | .4630168 | .3426047 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2077.558 | 3162.217 | 49349.25 | 6281.530 | 3319.023 |
| #2 | 2081.403 | 3174.373 | 49147.26 | 6236.424 | 3332.038 |
| #3 | 2031.418 | 3155.225 | 48868.24 | 6227.590 | 3309.371 |

Sample Name: J4308-10      Acquired: 8/9/2018 16:44:07      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GT6D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1453945 | -.010207 | 2.301339 | .0099484 | .0101420 | 83.77747 | 1.843277 |
| Stddev | .0021460 | .000298  | .008999  | .0040329 | .0019614 | .18967   | .001140  |
| %RSD   | 1.475987 | 2.924211 | .3910330 | 40.53801 | 19.33901 | .2263942 | .0618566 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1464794 | -.009948 | 2.301448 | .0131018 | .0121361 | 83.59490 | 1.843586 |
| #2 | .1429227 | -.010534 | 2.292286 | .0113392 | .0100748 | 83.97351 | 1.842014 |
| #3 | .1467815 | -.010141 | 2.310283 | .0054042 | .0082151 | 83.76399 | 1.844232 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0069870 | .0654299 | 319.5312 | .1354125 | .0804023 | .4736245 | 180.1258 |
| Stddev | .0001473 | .0001227 | 1.0593   | .0008560 | .0004043 | .0048465 | .6917    |
| %RSD   | 2.107953 | .1875292 | .3315243 | .6321511 | .5028503 | 1.023281 | .3840002 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0068861 | .0653083 | 318.4751 | .1362580 | .0802586 | .4693395 | 179.3423 |
| #2 | .0071560 | .0654278 | 319.5249 | .1345464 | .0800895 | .4788843 | 180.3829 |
| #3 | .0069190 | .0655536 | 320.5937 | .1354331 | .0808588 | .4726497 | 180.6521 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.668735 | 59.68433 | .1577447 | .0093337 | 1.312248 | .3891933 | 1.854949 |
| Stddev | .034090  | .28862   | .0006102 | .0000519 | .311642  | .0124823 | .031927  |
| %RSD   | .7301752 | .4835714 | .3868543 | .5554656 | 23.74869 | 3.207231 | 1.721162 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.633111 | 59.37159 | .1582665 | .0093491 | 1.195928 | .3786180 | 1.825611 |
| #2 | 4.672044 | 59.74098 | .1570737 | .0092759 | 1.075497 | .4029622 | 1.850285 |
| #3 | 4.701050 | 59.94043 | .1578938 | .0093761 | 1.665320 | .3859999 | 1.888951 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 28.17445 | 15.53148 | .2754051 | .0097941 | 6.799216 | 5.888323 | .0172706 |
| Stddev | .05592   | .07302   | .0015803 | .0001597 | .026631  | .028316  | .0013977 |
| %RSD   | .1984773 | .4701229 | .5738236 | 1.630772 | .3916755 | .4808822 | 8.092727 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 28.13414 | 15.45919 | .2737392 | .0097820 | 6.776787 | 5.872718 | .0172459 |
| #2 | 28.15092 | 15.53006 | .2755931 | .0099595 | 6.792213 | 5.921008 | .0186805 |
| #3 | 28.23829 | 15.60520 | .2768830 | .0096407 | 6.828649 | 5.871243 | .0158855 |

Sample Name: J4308-10      Acquired: 8/9/2018 16:44:07      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GT6D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.592566 | .1096269 | .9180798 |
| Stddev | .008660  | .0015384 | .0017550 |
| %RSD   | .5437583 | 1.403309 | .1911589 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.595586 | .1114024 | .9163880 |
| #2 | 1.582800 | .1086918 | .9179595 |
| #3 | 1.599310 | .1087864 | .9198918 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2031.841 | 3146.582 | 48300.18 | 6102.774 | 3291.703 |
| Stddev    | 1.461    | 4.140    | 146.61   | 34.521   | 1.566    |
| %RSD      | .0718829 | .1315648 | .3035336 | .5656587 | .0475803 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2033.198 | 3151.352 | 48424.41 | 6089.214 | 3293.488 |
| #2 | 2030.295 | 3143.932 | 48337.67 | 6077.092 | 3290.557 |
| #3 | 2032.028 | 3144.461 | 48138.47 | 6142.016 | 3291.065 |

Sample Name: J4308-11      Acquired: 8/9/2018 16:48:07      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GT6S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2191517 | .0929994 | 2.248402 | .1086723 | .2060058 | 84.42467 | 5.753927 |
| Stddev | .0063293 | .0013318 | .001874  | .0016156 | .0046597 | .42366   | .021927  |
| %RSD   | 2.888084 | 1.432065 | .0833462 | 1.486713 | 2.261936 | .5018239 | .3810761 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2263481 | .0931132 | 2.250186 | .1068080 | .2048082 | 84.89653 | 5.777440 |
| #2 | .2144498 | .0916144 | 2.246449 | .1095447 | .2020618 | 84.07693 | 5.734037 |
| #3 | .2166571 | .0942707 | 2.248571 | .1096643 | .2111474 | 84.30055 | 5.750304 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1021959 | .1702866 | 307.5059 | .5231841 | 1.171526 | .9630657 | 175.9053 |
| Stddev | .0005066 | .0009569 | 1.7711   | .0004110 | .002420  | .0086200 | .8657    |
| %RSD   | .4956634 | .5619349 | .5759549 | .0785615 | .2065556 | .8950605 | .4921489 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1016411 | .1695399 | 308.9447 | .5230947 | 1.172163 | .9695208 | 176.6659 |
| #2 | .1026338 | .1699545 | 305.5279 | .5228251 | 1.168851 | .9663998 | 174.9632 |
| #3 | .1023130 | .1713652 | 308.0452 | .5236325 | 1.173563 | .9532766 | 176.0869 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.468480 | 57.45417 | 1.259812 | .1002561 | 1.239610 | 1.370948 | 2.713853 |
| Stddev | .043193  | .21797   | .005045  | .0006289 | .040072  | .008461  | .041402  |
| %RSD   | .7898558 | .3793815 | .4004268 | .6272477 | 3.232593 | .6171628 | 1.525577 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.494687 | 57.70153 | 1.257042 | .1009460 | 1.229883 | 1.379634 | 2.758446 |
| #2 | 5.418627 | 57.29025 | 1.256759 | .0997148 | 1.205298 | 1.362732 | 2.676634 |
| #3 | 5.492127 | 57.37073 | 1.265635 | .1001076 | 1.283650 | 1.370477 | 2.706478 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 27.12551 | 14.96299 | .2660933 | .0091798 | 6.548870 | 5.863801 | .0161143 |
| Stddev | .15280   | .08862   | .0043555 | .0001888 | .034981  | .011899  | .0022271 |
| %RSD   | .5633158 | .5922508 | 1.636841 | 2.057080 | .5341546 | .2029274 | 13.82080 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 27.26742 | 14.92963 | .2708874 | .0093203 | 6.558930 | 5.868151 | .0156646 |
| #2 | 26.96375 | 14.89589 | .2623798 | .0092540 | 6.509961 | 5.872913 | .0185320 |
| #3 | 27.14534 | 15.06344 | .2650128 | .0089651 | 6.577719 | 5.850339 | .0141463 |



Sample Name: J4308-11      Acquired: 8/9/2018 16:48:07      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GT6S      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.538339 | .1064637 | .8845947 |
| Stddev | .004569  | .0014812 | .0032394 |
| %RSD   | .2969776 | 1.391305 | .3662049 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.542882 | .1051718 | .8863984 |
| #2 | 1.533745 | .1061388 | .8808549 |
| #3 | 1.538391 | .1080804 | .8865308 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2068.632 | 3196.582 | 49097.65 | 6216.147 | 3370.408 |
| Stddev    | 12.229   | 9.253    | 136.68   | 16.669   | 6.394    |
| %RSD      | .5911449 | .2894750 | .2783774 | .2681516 | .1897226 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2054.871 | 3198.954 | 48941.21 | 6232.057 | 3369.835 |
| #2 | 2072.767 | 3204.418 | 49193.93 | 6217.572 | 3377.070 |
| #3 | 2078.256 | 3186.373 | 49157.81 | 6198.811 | 3364.320 |

Sample Name: J4308-09LX5      Acquired: 8/9/2018 16:52:03      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GT6L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0411193 | -.001012 | .4677905 | .0066299 | .0040358 | 18.08746 | .4031157 |
| Stddev | .0003936 | .005362  | .0029517 | .0019606 | .0022990 | .07367   | .0013901 |
| %RSD   | .9571846 | 529.7140 | .6309841 | 29.57273 | 56.96440 | .4073238 | .3448263 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0406692 | -.002811 | .4644580 | .0053088 | .0062811 | 18.17253 | .4037790 |
| #2 | .0412898 | -.005243 | .4688375 | .0088826 | .0041395 | 18.04541 | .4040499 |
| #3 | .0413989 | .005018  | .4700760 | .0056982 | .0016867 | 18.04443 | .4015183 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0017252 | .0140275 | 70.08648 | .0307277 | .0160433 | .1044118 | 40.38112 |
| Stddev | .0001101 | .0001051 | .19148   | .0006640 | .0005275 | .0047962 | .12070   |
| %RSD   | 6.383095 | .7494887 | .2731996 | 2.161024 | 3.287880 | 4.593521 | .2989013 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0017894 | .0139062 | 70.28942 | .0309618 | .0154414 | .1002817 | 40.28757 |
| #2 | .0015980 | .0140835 | 70.06100 | .0299784 | .0162635 | .1096722 | 40.51736 |
| #3 | .0017881 | .0140928 | 69.90902 | .0312431 | .0164250 | .1032815 | 40.33843 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.047197 | 13.05082 | .0326158 | .0032342 | .1120044 | .0900890 | .3927273 |
| Stddev | .004141  | .04275   | .0001572 | .0005275 | .1165713 | .0052349 | .0119613 |
| %RSD   | .3954541 | .3275372 | .4821041 | 16.31148 | 104.0774 | 5.810802 | 3.045701 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.050350 | 13.09228 | .0326148 | .0034554 | .0081669 | .0868827 | .3814748 |
| #2 | 1.048733 | 13.05330 | .0327735 | .0026320 | .0897464 | .0961299 | .4052896 |
| #3 | 1.042507 | 13.00689 | .0324590 | .0036151 | .2380999 | .0872543 | .3914174 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.752841 | 3.127430 | .0549137 | .0039048 | 1.353912 | 1.363373 | .0032552 |
| Stddev | .115562  | .013907  | .0008692 | .0003547 | .019700  | .013816  | .0017423 |
| %RSD   | 2.008774 | .4446662 | 1.582882 | 9.084976 | 1.455051 | 1.013364 | 53.52587 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.848227 | 3.113218 | .0542790 | .0041864 | 1.337757 | 1.360678 | .0045326 |
| #2 | 5.624336 | 3.128064 | .0545576 | .0035063 | 1.348120 | 1.351103 | .0012704 |
| #3 | 5.785959 | 3.141010 | .0559044 | .0040216 | 1.375859 | 1.378338 | .0039625 |

Sample Name: J4308-09LX5      Acquired: 8/9/2018 16:52:03      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GT6L      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3564489 | .0213075 | .2035352 |
| Stddev | .0033650 | .0013520 | .0008949 |
| %RSD   | .9440300 | 6.345206 | .4396998 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .3528955 | .0203185 | .2036209 |
| #2 | .3568643 | .0228481 | .2026005 |
| #3 | .3595869 | .0207558 | .2043842 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1965.539 | 3006.297 | 45830.69 | 5629.713 | 3516.475 |
| Stddev    | 17.736   | 14.610   | 145.96   | 6.036    | 12.777   |
| %RSD      | .9023668 | .4859913 | .3184755 | .1072206 | .3633520 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1981.466 | 3023.142 | 45959.66 | 5622.758 | 3530.468 |
| #2 | 1968.725 | 2998.673 | 45860.16 | 5632.791 | 3513.532 |
| #3 | 1946.425 | 2997.075 | 45672.24 | 5633.590 | 3505.427 |

Sample Name: CCV086      Acquired: 8/9/2018 16:56:09      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCV086      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.196810 | 5.052079 | 25.18734 | 5.103511 | 5.205518 | 415.8893 |
| Stddev | .016296  | .039620  | .10901   | .021278  | .027671  | 6.2266   |
| %RSD   | .3135760 | .7842310 | .4327994 | .4169226 | .5315797 | 1.497184 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 5.189163 | 5.023698 | 25.11543 | 5.117053 | 5.209292 | 410.5462 |
| #2 | 5.185745 | 5.035195 | 25.13381 | 5.078986 | 5.176153 | 422.7273 |
| #3 | 5.215523 | 5.097344 | 25.31276 | 5.114494 | 5.231108 | 414.3946 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 10.08180 | .5023075 | 2.548591 | 405.7637 | 15.28776 | 2.567996 |
| Stddev | .16615   | .0104548 | .009493  | 6.9565   | .03700   | .011311  |
| %RSD   | 1.648038 | 2.081358 | .3724609 | 1.714418 | .2420071 | .4404424 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.93704  | .4911167 | 2.543050 | 399.8636 | 15.32705 | 2.560993 |
| #2 | 10.26322 | .5118244 | 2.543172 | 413.4344 | 15.25360 | 2.561951 |
| #3 | 10.04513 | .5039814 | 2.559552 | 403.9931 | 15.28262 | 2.581045 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 15.51735 | 422.7901 | 14.72316 | 412.1866 | 2.589906 | 1.240433 |
| Stddev | .32984   | 6.5474   | .25167   | 6.2295   | .012766  | .001856  |
| %RSD   | 2.125609 | 1.548626 | 1.709330 | 1.511335 | .4929146 | .1496294 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 15.23702 | 418.8078 | 14.54757 | 407.7033 | 2.584598 | 1.238653 |
| #2 | 15.88079 | 430.3467 | 15.01149 | 419.2998 | 2.580651 | 1.242357 |
| #3 | 15.43423 | 419.2157 | 14.61042 | 409.5568 | 2.604470 | 1.240290 |

|        |          |          |          |          |            |          |
|--------|----------|----------|----------|----------|------------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm      |
| Avg    | 408.9803 | 2.484507 | 14.64628 | 151.4105 | F 5.756681 | 5.190952 |
| Stddev | 5.5950   | .019637  | .11222   | 2.3947   | .040929    | .097751  |
| %RSD   | 1.368029 | .7903824 | .7661982 | 1.581570 | .7109752   | 1.883095 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 404.3049 | 2.479844 | 14.75454 | 148.8962 | 5.712818 | 5.082089 |
| #2 | 415.1793 | 2.506056 | 14.65382 | 153.6642 | 5.763376 | 5.271206 |
| #3 | 407.4568 | 2.467621 | 14.53048 | 151.6711 | 5.793850 | 5.219562 |

Sample Name: CCV086      Acquired: 8/9/2018 16:56:09      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCV086      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.222345 | 5.349770 | 4.694707 | 5.275107 | 5.085336 | 5.240846 |
| Stddev | .018256  | .029629  | .104123  | .022253  | .107203  | .095471  |
| %RSD   | .3495664 | .5538377 | 2.217877 | .4218487 | 2.108085 | 1.821667 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 5.220161 | 5.333187 | 4.580618 | 5.262316 | 4.998911 | 5.162692 |
| #2 | 5.205279 | 5.332144 | 4.784604 | 5.262202 | 5.205299 | 5.347255 |
| #3 | 5.241594 | 5.383977 | 4.718900 | 5.300803 | 5.051800 | 5.212590 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 5.169307 |
| Stddev | .093076  |
| %RSD   | 1.800550 |

|    |          |
|----|----------|
| #1 | 5.091098 |
| #2 | 5.272253 |
| #3 | 5.144571 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1692.221 | 2616.675 | 41458.23 | 5275.010 | 2936.629 |
| Stddev    | 4.546    | 8.228    | 141.89   | 95.998   | 11.311   |
| %RSD      | .2686468 | .3144492 | .3422463 | 1.819864 | .3851695 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1689.659 | 2614.544 | 41296.79 | 5376.700 | 2942.198 |
| #2 | 1697.470 | 2625.759 | 41514.77 | 5185.955 | 2944.077 |
| #3 | 1689.534 | 2609.722 | 41563.14 | 5262.375 | 2923.614 |

Sample Name: CCB086      Acquired: 8/9/2018 16:59:58      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCB086      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.001060 | -.002632 | .0002750 | .0021158 | -.001403 | .0059322 | -.000353 |
| Stddev | .005194  | .001793  | .0023280 | .0025351 | .001376  | .0196399 | .001021  |
| %RSD   | 489.8377 | 68.11232 | 846.5792 | 119.8150 | 98.10291 | 331.0740 | 288.8203 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.002842 | -.002979 | -.001899 | .0036521 | -.000036 | -.014295 | -.001311 |
| #2 | .004790  | -.004226 | .002732  | -.000810 | -.002788 | .007165  | .000720  |
| #3 | -.005129 | -.000691 | -.000008 | .003505  | -.001385 | .024927  | -.000469 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000026 | .0000522 | -.023895 | .0005554 | -.000441 | .0003625 | .0197497 |
| Stddev | .000009  | .0000668 | .004858  | .0003836 | .000239  | .0034415 | .0065428 |
| %RSD   | 32.53419 | 128.0233 | 20.32920 | 69.06910 | 54.09496 | 949.3687 | 33.12869 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000018 | .0001199 | -.020575 | .0006370 | -.000173 | .0029790 | .0202740 |
| #2 | -.000025 | .0000505 | -.021639 | .0008918 | -.000522 | -.003536 | .0129605 |
| #3 | -.000035 | -.000014 | -.029470 | .0001376 | -.000629 | .001645  | .0260146 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0004839 | .0006976 | -.000353 | .0009174 | -.359725 | -.005790 | -.010718 |
| Stddev | .0011688 | .0148604 | .000324  | .0008050 | .268053  | .001945  | .003920  |
| %RSD   | 241.5600 | 2130.122 | 91.60977 | 87.74531 | 74.51614 | 33.58846 | 36.57556 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0004374 | -.013788 | -.000642 | .0017566 | -.063194 | -.007490 | -.014113 |
| #2 | -.000661 | -.000026 | -.000003 | .0008438 | -.584831 | -.006212 | -.006428 |
| #3 | .001675  | .015907  | -.000416 | .0001517 | -.431151 | -.003669 | -.011613 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.217113 | -.008941 | .0013459 | .0001401 | -.007322 | .0018240 | -.000011 |
| Stddev | .092177  | .003380  | .0008136 | .0001821 | .002326  | .0006169 | .000466  |
| %RSD   | 42.45597 | 37.80266 | 60.44906 | 129.9105 | 31.77410 | 33.82170 | 4125.488 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.111121 | -.010910 | .0019600 | .0000950 | -.007157 | .0023107 | -.000546 |
| #2 | -.278530 | -.010874 | .0016545 | .0003405 | -.009726 | .0011302 | .000199  |
| #3 | -.261688 | -.005038 | .0004232 | -.000015 | -.005082 | .0020311 | .000313  |

Sample Name: CCB086      Acquired: 8/9/2018 16:59:58      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: CCB086      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000278 | -.000666 | .0000436 |
| Stddev | .001994  | .001350  | .0000302 |
| %RSD   | 718.6490 | 202.8833 | 69.27273 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .001648  | -.000123 | .0000766 |
| #2 | -.000146 | .000329  | .0000173 |
| #3 | -.002334 | -.002203 | .0000369 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1935.196 | 2998.380 | 45079.08 | 5496.150 | 3591.719 |
| Stddev    | 8.964    | 13.995   | 203.84   | 35.762   | 17.702   |
| %RSD      | .4632281 | .4667658 | .4521863 | .6506746 | .4928642 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1928.272 | 3006.466 | 44945.36 | 5465.575 | 3594.691 |
| #2 | 1931.995 | 3006.455 | 44978.20 | 5535.475 | 3607.747 |
| #3 | 1945.322 | 2982.220 | 45313.70 | 5487.400 | 3572.719 |

Sample Name: J4308-12      Acquired: 8/9/2018 17:04:08      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GT7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1369933 | -.007865 | 1.431786 | .0121819 | .0083035 | 94.72217 | 1.237819 |
| Stddev | .0028505 | .001139  | .008067  | .0038644 | .0008117 | .41082   | .003269  |
| %RSD   | 2.080757 | 14.47974 | .5634245 | 31.72268 | 9.774698 | .4337070 | .2640785 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1351971 | -.007387 | 1.423501 | .0104034 | .0084586 | 94.25755 | 1.234056 |
| #2 | .1402801 | -.009164 | 1.432241 | .0095270 | .0074255 | 94.87166 | 1.239962 |
| #3 | .1355028 | -.007042 | 1.439616 | .0166154 | .0090265 | 95.03732 | 1.239437 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0079244 | .0469966 | 101.4477 | .1202041 | .0834054 | .4631201 | 168.2791 |
| Stddev | .0000456 | .0001878 | .3373    | .0003664 | .0007264 | .0011564 | .6737    |
| %RSD   | .5755901 | .3995407 | .3324871 | .3047863 | .8708726 | .2497042 | .4003732 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0079467 | .0469788 | 101.0583 | .1205699 | .0830328 | .4643637 | 167.5106 |
| #2 | .0079546 | .0468183 | 101.6385 | .1202053 | .0829411 | .4620770 | 168.7681 |
| #3 | .0078720 | .0471926 | 101.6465 | .1198372 | .0842425 | .4629198 | 168.5585 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.318800 | 56.72407 | .1195113 | .0082657 | 1.087243 | .3021660 | 1.271184 |
| Stddev | .019873  | .36380   | .0003572 | .0003282 | .316797  | .0063450 | .020031  |
| %RSD   | .4601508 | .6413482 | .2989281 | 3.970610 | 29.13767 | 2.099847 | 1.575781 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.300614 | 56.46365 | .1199132 | .0080208 | 1.343102 | .2957078 | 1.278867 |
| #2 | 4.340013 | 57.13974 | .1193905 | .0081377 | 1.185726 | .3083914 | 1.248448 |
| #3 | 4.315773 | 56.56883 | .1192300 | .0086386 | .732901  | .3023989 | 1.286235 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 39.19081 | 9.713499 | .2623712 | .0061849 | 3.719129 | 4.895989 | .0124164 |
| Stddev | .22926   | .037233  | .0014328 | .0002045 | .015561  | .012108  | .0006563 |
| %RSD   | .5849880 | .3833152 | .5460762 | 3.305601 | .4183918 | .2473133 | 5.285768 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 38.98636 | 9.687252 | .2633646 | .0063722 | 3.702652 | 4.903153 | .0119266 |
| #2 | 39.14739 | 9.697132 | .2630203 | .0059668 | 3.721161 | 4.902805 | .0121604 |
| #3 | 39.43868 | 9.756112 | .2607288 | .0062159 | 3.733574 | 4.882009 | .0131621 |



Sample Name: J4308-12      Acquired: 8/9/2018 17:04:08      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GT7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 4.241042 | .1368645 | .5532004 |
| Stddev | .022325  | .0009641 | .0015678 |
| %RSD   | .5263929 | .7043932 | .2834026 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 4.259780 | .1368967 | .5549438 |
| #2 | 4.247005 | .1358847 | .5527512 |
| #3 | 4.216342 | .1378120 | .5519063 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2120.927 | 3274.935 | 50124.96 | 6269.530 | 3410.141 |
| Stddev    | 12.129   | 7.853    | 252.30   | 37.381   | 7.008    |
| %RSD      | .5718635 | .2397912 | .5033357 | .5962313 | .2054979 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2134.573 | 3282.357 | 50411.07 | 6284.463 | 3415.417 |
| #2 | 2111.377 | 3275.737 | 49934.37 | 6226.991 | 3412.816 |
| #3 | 2116.829 | 3266.712 | 50029.44 | 6297.137 | 3402.190 |

Sample Name: J4308-13      Acquired: 8/9/2018 17:08:07      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GT8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1185962 | -.007124 | .8765947 | .0140291 | .0073137 | 82.72378 | 1.630450 |
| Stddev | .0053632 | .001962  | .0050169 | .0034532 | .0007682 | .20432   | .005331  |
| %RSD   | 4.522224 | 27.53857 | .5723206 | 24.61462 | 10.50297 | .2469956 | .3269840 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1124480 | -.008747 | .8738571 | .0176610 | .0071762 | 82.75070 | 1.634760 |
| #2 | .1223139 | -.007683 | .8735421 | .0136386 | .0081414 | 82.50733 | 1.624488 |
| #3 | .1210265 | -.004944 | .8823849 | .0107878 | .0066237 | 82.91331 | 1.632102 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0068347 | .0222660 | 148.1785 | .1256852 | .0788116 | .5838589 | 182.0754 |
| Stddev | .0000446 | .0002178 | .1720    | .0006803 | .0003468 | .0057104 | .5051    |
| %RSD   | .6530853 | .9781572 | .1161066 | .5412615 | .4399875 | .9780456 | .2774395 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0068197 | .0222444 | 148.1267 | .1261008 | .0788914 | .5785004 | 182.0421 |
| #2 | .0068849 | .0220598 | 148.0383 | .1260548 | .0784320 | .5898659 | 181.5878 |
| #3 | .0067995 | .0224938 | 148.3705 | .1249002 | .0791116 | .5832106 | 182.5964 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.024971 | 57.23205 | .1274237 | .0050126 | 1.607960 | .3228034 | 1.288551 |
| Stddev | .022141  | .12335   | .0008241 | .0003206 | .145575  | .0096460 | .015065  |
| %RSD   | .4406230 | .2155314 | .6467748 | 6.395959 | 9.053386 | 2.988194 | 1.169173 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.023096 | 57.14919 | .1265932 | .0053825 | 1.612198 | .3319292 | 1.271770 |
| #2 | 5.003827 | 57.17314 | .1274365 | .0048420 | 1.751369 | .3237708 | 1.292971 |
| #3 | 5.047991 | 57.37381 | .1282414 | .0048134 | 1.460312 | .3127101 | 1.300913 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 24.58344 | 9.831480 | .2607379 | .0160659 | 5.664936 | 3.504805 | .0068998 |
| Stddev | .13752   | .055653  | .0014670 | .0004737 | .011846  | .011172  | .0012680 |
| %RSD   | .5594148 | .5660687 | .5626196 | 2.948597 | .2091128 | .3187662 | 18.37678 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 24.46236 | 9.775413 | .2594979 | .0160878 | 5.661106 | 3.511781 | .0073598 |
| #2 | 24.55501 | 9.832316 | .2623573 | .0155816 | 5.655478 | 3.491920 | .0078736 |
| #3 | 24.73296 | 9.886709 | .2603585 | .0165283 | 5.678223 | 3.510715 | .0054661 |

Sample Name: J4308-13      Acquired: 8/9/2018 17:08:07      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GT8      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.344484 | .1266868 | .4058469 |
| Stddev | .001889  | .0005588 | .0002929 |
| %RSD   | .0805827 | .4410694 | .0721764 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.343898 | .1261385 | .4059136 |
| #2 | 2.342957 | .1266664 | .4055264 |
| #3 | 2.346597 | .1272555 | .4061007 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2011.025 | 3126.108 | 47747.77 | 6008.419 | 3355.938 |
| Stddev    | 15.771   | 8.989    | 170.50   | 17.024   | 4.318    |
| %RSD      | .7842095 | .2875334 | .3570867 | .2833278 | .1286799 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2025.060 | 3127.931 | 47944.59 | 6028.075 | 3357.535 |
| #2 | 2014.055 | 3134.045 | 47645.50 | 5998.356 | 3359.230 |
| #3 | 1993.959 | 3116.347 | 47653.21 | 5998.827 | 3351.048 |

Sample Name: J4308-14      Acquired: 8/9/2018 17:12:07      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GT9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1699017 | -.002116 | 2.647766 | .0111977 | .0159985 | 77.88528 | 1.382864 |
| Stddev | .0049986 | .002811  | .013441  | .0009020 | .0012196 | .04960   | .003731  |
| %RSD   | 2.942023 | 132.8804 | .5076413 | 8.055266 | 7.623425 | .0636847 | .2697900 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1690250 | -.005359 | 2.649131 | .0119094 | .0172683 | 77.85236 | 1.382605 |
| #2 | .1653995 | -.000375 | 2.633694 | .0101833 | .0148362 | 77.94233 | 1.379269 |
| #3 | .1752806 | -.000613 | 2.660472 | .0115004 | .0158908 | 77.86116 | 1.386718 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0072060 | .0753088 | 125.4846 | .1207099 | .0800110 | .5481057 | 165.1640 |
| Stddev | .0000771 | .0001869 | .4641    | .0008903 | .0005098 | .0094888 | .7171    |
| %RSD   | 1.069509 | .2481661 | .3698444 | .7375798 | .6370990 | 1.731197 | .4341559 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0072932 | .0751019 | 125.2563 | .1215419 | .0805411 | .5448448 | 165.3414 |
| #2 | .0071778 | .0754654 | 125.1789 | .1197709 | .0795244 | .5406774 | 164.3749 |
| #3 | .0071469 | .0753592 | 126.0186 | .1208169 | .0799677 | .5587950 | 165.7757 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.800006 | 50.28555 | .1234112 | .0124699 | .9813141 | .3156388 | 1.724891 |
| Stddev | .031761  | .22171   | .0012178 | .0001587 | .3242410 | .0051853 | .026650  |
| %RSD   | .5475952 | .4409097 | .9868251 | 1.272574 | 33.04151 | 1.642785 | 1.545027 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.798172 | 50.32871 | .1221973 | .0124029 | .7739470 | .3096691 | 1.754929 |
| #2 | 5.769203 | 50.04543 | .1234033 | .0123556 | .8150321 | .3182255 | 1.704084 |
| #3 | 5.832644 | 50.48251 | .1246329 | .0126511 | 1.354963 | .3190219 | 1.715661 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 30.80996 | 10.78233 | .2417198 | .0092852 | 7.203828 | 4.185031 | .0104855 |
| Stddev | .01528   | .02968   | .0010072 | .0004522 | .026916  | .019521  | .0013965 |
| %RSD   | .0495782 | .2752931 | .4166836 | 4.870051 | .3736412 | .4664594 | 13.31858 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 30.79990 | 10.75374 | .2426494 | .0096613 | 7.181634 | 4.196496 | .0116453 |
| #2 | 30.80244 | 10.78025 | .2406498 | .0087835 | 7.196081 | 4.162491 | .0089353 |
| #3 | 30.82754 | 10.81300 | .2418601 | .0094108 | 7.233768 | 4.196106 | .0108758 |

Sample Name: J4308-14      Acquired: 8/9/2018 17:12:07      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GT9      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.714302 | .0947312 | .5724662 |
| Stddev | .008833  | .0018052 | .0019937 |
| %RSD   | .5152602 | 1.905584 | .3482657 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.715493 | .0959328 | .5722871 |
| #2 | 1.704934 | .0956055 | .5705680 |
| #3 | 1.722480 | .0926554 | .5745434 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2121.940 | 3272.437 | 50373.66 | 6265.696 | 3448.566 |
| Stddev    | 19.454   | 3.831    | 236.40   | 33.531   | 3.923    |
| %RSD      | .9167814 | .1170577 | .4692927 | .5351511 | .1137718 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2099.515 | 3275.034 | 50102.09 | 6238.444 | 3449.136 |
| #2 | 2134.292 | 3274.240 | 50533.38 | 6303.141 | 3452.173 |
| #3 | 2132.012 | 3268.038 | 50485.50 | 6255.504 | 3444.388 |

Sample Name: J4308-15      Acquired: 8/9/2018 17:16:07      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GW0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1862767 | -.008124 | 1.662035 | .0081787 | .0102917 | 98.06281 | 1.620313 |
| Stddev | .0065040 | .004124  | .004652  | .0009025 | .0024124 | .04728   | .001584  |
| %RSD   | 3.491584 | 50.77061 | .2799218 | 11.03528 | 23.44054 | .0482179 | .0977416 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1859812 | -.006996 | 1.661133 | .0090548 | .0101367 | 98.05151 | 1.619393 |
| #2 | .1929235 | -.004680 | 1.657900 | .0082295 | .0127779 | 98.02221 | 1.619404 |
| #3 | .1799255 | -.012694 | 1.667073 | .0072518 | .0079605 | 98.11473 | 1.622142 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0083460 | .0397933 | 226.5823 | .1291342 | .0968013 | .4747792 | 193.8417 |
| Stddev | .0000363 | .0002410 | .4998    | .0016739 | .0006436 | .0007728 | .1022    |
| %RSD   | .4351882 | .6055846 | .2205863 | 1.296275 | .6648379 | .1627624 | .0527217 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0083266 | .0395249 | 226.6731 | .1292326 | .0968388 | .4744954 | 193.7247 |
| #2 | .0083879 | .0398639 | 226.0433 | .1307568 | .0961397 | .4741885 | 193.8869 |
| #3 | .0083234 | .0399911 | 227.0304 | .1274132 | .0974252 | .4756537 | 193.9135 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.485865 | 69.50602 | .1639113 | .0081362 | 1.243708 | .3646488 | 1.476445 |
| Stddev | .020942  | .15043   | .0005284 | .0003037 | .404378  | .0062519 | .021199  |
| %RSD   | .3817491 | .2164301 | .3223783 | 3.732682 | 32.51393 | 1.714496 | 1.435804 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.495376 | 69.63183 | .1639836 | .0078799 | .776822  | .3589151 | 1.457789 |
| #2 | 5.461855 | 69.54684 | .1643998 | .0084716 | 1.471233 | .3637171 | 1.472048 |
| #3 | 5.500364 | 69.33939 | .1633505 | .0080571 | 1.483069 | .3713143 | 1.499497 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 33.25474 | 11.43436 | .2762781 | .0099074 | 5.495210 | 2.164162 | .0080583 |
| Stddev | .13979   | .04545   | .0018578 | .0004379 | .007693  | .002732  | .0004480 |
| %RSD   | .4203602 | .3975095 | .6724396 | 4.419971 | .1399997 | .1262596 | 5.559368 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 33.15944 | 11.39701 | .2741329 | .0095361 | 5.486328 | 2.164707 | .0078212 |
| #2 | 33.41521 | 11.42111 | .2773486 | .0103903 | 5.499802 | 2.166580 | .0085750 |
| #3 | 33.18955 | 11.48497 | .2773527 | .0097959 | 5.499500 | 2.161198 | .0077787 |

Sample Name: J4308-15      Acquired: 8/9/2018 17:16:07      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GW0      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.985364 | .1326813 | .7442786 |
| Stddev | .008511  | .0015651 | .0010535 |
| %RSD   | .4286705 | 1.179583 | .1415443 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.988214 | .1319743 | .7454560 |
| #2 | 1.992084 | .1344751 | .7439548 |
| #3 | 1.975794 | .1315944 | .7434251 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2095.475 | 3248.083 | 49809.02 | 6281.956 | 3319.907 |
| Stddev    | 3.612    | 7.017    | 104.95   | 41.492   | 5.792    |
| %RSD      | .1723735 | .2160349 | .2106952 | .6604881 | .1744499 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2094.368 | 3242.612 | 49805.59 | 6269.118 | 3317.730 |
| #2 | 2092.545 | 3255.994 | 49705.84 | 6248.401 | 3326.472 |
| #3 | 2099.511 | 3245.642 | 49915.64 | 6328.349 | 3315.520 |

Sample Name: J4308-16      Acquired: 8/9/2018 17:20:05      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GW1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1821114 | -.006691 | 1.576624 | .0099075 | .0107974 | 101.0390 | 1.843399 |
| Stddev | .0051594 | .002133  | .004255  | .0010726 | .0021670 | .1325    | .003902  |
| %RSD   | 2.833078 | 31.87184 | .2698955 | 10.82585 | 20.06968 | .1311401 | .2116667 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1878793 | -.008867 | 1.581529 | .0108370 | .0102498 | 100.9139 | 1.841494 |
| #2 | .1779362 | -.006602 | 1.573920 | .0101516 | .0131856 | 101.0252 | 1.840816 |
| #3 | .1805187 | -.004605 | 1.574422 | .0087340 | .0089566 | 101.1778 | 1.847887 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0087836 | .0339363 | 274.4909 | .1429104 | .1026015 | .4806515 | 198.9946 |
| Stddev | .0000394 | .0002671 | .4100    | .0025511 | .0006428 | .0032929 | .3109    |
| %RSD   | .4491525 | .7871269 | .1493549 | 1.785087 | .6265330 | .6850827 | .1562299 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0088012 | .0340154 | 274.7066 | .1458366 | .1031253 | .4835305 | 199.3158 |
| #2 | .0087384 | .0336385 | 274.0181 | .1417404 | .1018841 | .4770611 | 198.6952 |
| #3 | .0088111 | .0341549 | 274.7481 | .1411541 | .1027950 | .4813629 | 198.9730 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.783516 | 77.11380 | .1698968 | .0077226 | 1.201828 | .3830324 | 1.426843 |
| Stddev | .004878  | .13642   | .0022139 | .0003984 | .130458  | .0049648 | .044028  |
| %RSD   | .0843373 | .1769113 | 1.303074 | 5.158537 | 10.85499 | 1.296170 | 3.085694 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.786926 | 77.04425 | .1717932 | .0074187 | 1.127328 | .3773393 | 1.476775 |
| #2 | 5.777929 | 77.02617 | .1674640 | .0081736 | 1.352465 | .3864628 | 1.410159 |
| #3 | 5.785693 | 77.27098 | .1704332 | .0075755 | 1.125690 | .3852950 | 1.393596 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 34.66169 | 13.61824 | .2840130 | .0098012 | 6.646929 | 4.585412 | .0100742 |
| Stddev | .14432   | .04663   | .0031129 | .0004542 | .027255  | .021864  | .0005705 |
| %RSD   | .4163714 | .3424378 | 1.096050 | 4.633881 | .4100438 | .4768209 | 5.663394 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 34.68520 | 13.60030 | .2876022 | .0101948 | 6.621035 | 4.610247 | .0094157 |
| #2 | 34.50705 | 13.58323 | .2820488 | .0099044 | 6.644384 | 4.569064 | .0103876 |
| #3 | 34.79281 | 13.67117 | .2823882 | .0093043 | 6.675367 | 4.576925 | .0104194 |



Sample Name: J4308-16      Acquired: 8/9/2018 17:20:05      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GW1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.132224 | .1403483 | .9997971 |
| Stddev | .011537  | .0007102 | .0016257 |
| %RSD   | .5410621 | .5060532 | .1626043 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.145266 | .1395289 | 1.000630 |
| #2 | 2.123353 | .1407874 | .997924  |
| #3 | 2.128053 | .1407285 | 1.000837 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2095.164 | 3248.901 | 49787.80 | 6310.577 | 3307.225 |
| Stddev    | 40.189   | 5.480    | 798.04   | 21.433   | 8.045    |
| %RSD      | 1.918172 | .1686670 | 1.602876 | .3396439 | .2432422 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2049.038 | 3251.528 | 48869.09 | 6321.236 | 3312.507 |
| #2 | 2113.820 | 3252.573 | 50185.19 | 6324.591 | 3311.202 |
| #3 | 2122.634 | 3242.602 | 50309.13 | 6285.903 | 3297.967 |

Sample Name: J4308-17      Acquired: 8/9/2018 17:24:05      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GW2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1405621 | -.006580 | 1.433035 | .0132211 | .0087378 | 83.55102 | 1.372100 |
| Stddev | .0044446 | .001429  | .003656  | .0024780 | .0029049 | .17534   | .005338  |
| %RSD   | 3.161999 | 21.72248 | .2550940 | 18.74282 | 33.24567 | .2098624 | .3890675 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1405520 | -.004957 | 1.436068 | .0115523 | .0106239 | 83.59287 | 1.369842 |
| #2 | .1450118 | -.007653 | 1.428976 | .0160684 | .0101971 | 83.70165 | 1.378197 |
| #3 | .1361226 | -.007129 | 1.434061 | .0120425 | .0053926 | 83.35854 | 1.368262 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0070138 | .0295142 | 189.0414 | .1303873 | .0843411 | .4842150 | 181.1883 |
| Stddev | .0000765 | .0002257 | .5575    | .0006744 | .0003736 | .0066601 | .2038    |
| %RSD   | 1.090625 | .7646247 | .2949161 | .5171985 | .4429604 | 1.375445 | .1124798 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0070684 | .0296248 | 188.9254 | .1297229 | .0843966 | .4834044 | 181.1260 |
| #2 | .0070466 | .0292546 | 189.6477 | .1310712 | .0839428 | .4912433 | 181.4160 |
| #3 | .0069264 | .0296632 | 188.5509 | .1303677 | .0846838 | .4779972 | 181.0230 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.077744 | 58.58756 | .1306821 | .0074915 | 1.211507 | .3726567 | 1.537905 |
| Stddev | .007462  | .22787   | .0012842 | .0000715 | .161831  | .0038818 | .009500  |
| %RSD   | .1469467 | .3889350 | .9826781 | .9542142 | 13.35783 | 1.041657 | .6177213 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.077353 | 58.47910 | .1311450 | .0074707 | 1.060292 | .3765052 | 1.548215 |
| #2 | 5.085393 | 58.84940 | .1292307 | .0075711 | 1.192037 | .3727224 | 1.529505 |
| #3 | 5.070485 | 58.43418 | .1316707 | .0074328 | 1.382192 | .3687424 | 1.535995 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 29.40582 | 11.88110 | .2547308 | .0090858 | 6.389193 | 2.435805 | .0104082 |
| Stddev | .16463   | .05939   | .0000708 | .0003544 | .022290  | .010837  | .0007295 |
| %RSD   | .5598697 | .4998553 | .0277768 | 3.900687 | .3488698 | .4449060 | 7.009015 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 29.33501 | 11.87188 | .2546614 | .0087765 | 6.379831 | 2.441757 | .0096881 |
| #2 | 29.59401 | 11.82685 | .2547282 | .0090082 | 6.373112 | 2.442362 | .0103897 |
| #3 | 29.28843 | 11.94455 | .2548028 | .0094725 | 6.414637 | 2.423296 | .0111467 |

Sample Name: J4308-17      Acquired: 8/9/2018 17:24:05      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GW2      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.153889 | .1168762 | .6810936 |
| Stddev | .005681  | .0009956 | .0007148 |
| %RSD   | .2637509 | .8518100 | .1049531 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.147450 | .1177826 | .6803553 |
| #2 | 2.156020 | .1158107 | .6817823 |
| #3 | 2.158196 | .1170355 | .6811432 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2057.280 | 3197.411 | 48835.73 | 6173.005 | 3379.205 |
| Stddev    | 23.868   | 7.508    | 171.35   | 8.628    | 10.065   |
| %RSD      | 1.160176 | .2348117 | .3508682 | .1397722 | .2978536 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2030.063 | 3189.592 | 48711.89 | 6181.099 | 3373.777 |
| #2 | 2074.646 | 3204.563 | 49031.28 | 6163.927 | 3390.819 |
| #3 | 2067.131 | 3198.078 | 48764.00 | 6173.989 | 3373.019 |

Sample Name: J4308-18      Acquired: 8/9/2018 17:28:06      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GW3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1695827 | -.007050 | 2.458733 | .0132559 | .0117913 | 96.56479 | 1.648441 |
| Stddev | .0023708 | .001588  | .005225  | .0053502 | .0017299 | .35054   | .009317  |
| %RSD   | 1.398014 | 22.52163 | .2125037 | 40.36109 | 14.67056 | .3630141 | .5651840 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1679216 | -.007918 | 2.455843 | .0165622 | .0116526 | 96.68668 | 1.649271 |
| #2 | .1685288 | -.005218 | 2.455591 | .0070832 | .0101350 | 96.83811 | 1.657315 |
| #3 | .1722977 | -.008015 | 2.464764 | .0161222 | .0135864 | 96.16957 | 1.638738 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0083682 | .0544252 | 142.4195 | .1514915 | .0975351 | .5766109 | 204.3514 |
| Stddev | .0000333 | .0001571 | .5164    | .0004971 | .0006622 | .0112713 | .6303    |
| %RSD   | .3978859 | .2886333 | .3626166 | .3281230 | .6789252 | 1.954757 | .3084432 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0083298 | .0543445 | 142.5170 | .1509891 | .0972554 | .5891350 | 204.9359 |
| #2 | .0083853 | .0543247 | 142.8802 | .1519830 | .0970586 | .5734152 | 204.4347 |
| #3 | .0083895 | .0546062 | 141.8612 | .1515023 | .0982912 | .5672824 | 203.6835 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.277805 | 63.38724 | .1550023 | .0124062 | 1.041868 | .4015585 | 1.854217 |
| Stddev | .014684  | .12965   | .0011479 | .0001692 | .264278  | .0031509 | .009717  |
| %RSD   | .2338976 | .2045426 | .7405866 | 1.364214 | 25.36579 | .7846740 | .5240573 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.289241 | 63.42906 | .1551483 | .0125896 | .736772  | .4038387 | 1.864152 |
| #2 | 6.282926 | 63.24184 | .1537883 | .0122561 | 1.199911 | .3979630 | 1.844733 |
| #3 | 6.261246 | 63.49082 | .1560702 | .0123728 | 1.188920 | .4028738 | 1.853767 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 37.35700 | 13.46699 | .2929515 | .0095608 | 6.176009 | 3.567399 | .0106552 |
| Stddev | .17265   | .05362   | .0035124 | .0002230 | .029364  | .003210  | .0015054 |
| %RSD   | .4621495 | .3981694 | 1.198985 | 2.332057 | .4754455 | .0899721 | 14.12829 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 37.36388 | 13.46637 | .2958756 | .0096810 | 6.178205 | 3.569303 | .0091090 |
| #2 | 37.52610 | 13.41368 | .2939234 | .0096979 | 6.145609 | 3.569202 | .0121162 |
| #3 | 37.18101 | 13.52092 | .2890554 | .0093036 | 6.204213 | 3.563694 | .0107405 |

Sample Name: J4308-18      Acquired: 8/9/2018 17:28:06      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GW3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.254125 | .1298866 | .6700056 |
| Stddev | .004586  | .0022347 | .0014730 |
| %RSD   | .2034701 | 1.720517 | .2198477 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.256905 | .1273078 | .6716379 |
| #2 | 2.248831 | .1312550 | .6687755 |
| #3 | 2.256638 | .1310971 | .6696033 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2097.898 | 3236.600 | 49696.85 | 6240.720 | 3331.391 |
| Stddev    | 10.760   | 5.620    | 61.18    | 19.546   | 4.758    |
| %RSD      | .5128770 | .1736307 | .1231130 | .3131985 | .1428340 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2085.553 | 3239.873 | 49700.63 | 6259.191 | 3329.483 |
| #2 | 2105.282 | 3239.816 | 49633.86 | 6220.252 | 3336.807 |
| #3 | 2102.859 | 3230.111 | 49756.05 | 6242.716 | 3327.882 |

Sample Name: J4308-19      Acquired: 8/9/2018 17:32:09      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GW4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1636220 | -.005125 | 2.116471 | .0084122 | .0105859 | 81.16507 | 1.393136 |
| Stddev | .0054933 | .000942  | .013600  | .0024840 | .0014114 | .10117   | .005206  |
| %RSD   | 3.357324 | 18.38881 | .6425723 | 29.52798 | 13.33281 | .1246445 | .3736955 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1699015 | -.004368 | 2.106288 | .0055533 | .0093755 | 81.21526 | 1.397716 |
| #2 | .1597060 | -.006180 | 2.111210 | .0100412 | .0102460 | 81.23134 | 1.394218 |
| #3 | .1612586 | -.004827 | 2.131915 | .0096421 | .0121362 | 81.04863 | 1.387474 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0075003 | .0475969 | 191.2669 | .1272831 | .0819840 | .5243956 | 176.0951 |
| Stddev | .0001384 | .0000976 | .5643    | .0002806 | .0002151 | .0051743 | .4263    |
| %RSD   | 1.844575 | .2051264 | .2950577 | .2204283 | .2623118 | .9867178 | .2421063 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0074004 | .0476137 | 191.3807 | .1269858 | .0820743 | .5206376 | 175.7656 |
| #2 | .0074422 | .0474919 | 191.7656 | .1275432 | .0817385 | .5302973 | 176.5766 |
| #3 | .0076582 | .0476850 | 190.6543 | .1273203 | .0821391 | .5222521 | 175.9431 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.705306 | 58.78127 | .1323204 | .0120326 | 1.281799 | .3558821 | 1.569763 |
| Stddev | .015105  | .31896   | .0010266 | .0005870 | .119166  | .0052402 | .039386  |
| %RSD   | .2647448 | .5426171 | .7758238 | 4.878621 | 9.296757 | 1.472444 | 2.509036 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.692498 | 58.67833 | .1311373 | .0126717 | 1.163010 | .3613329 | 1.538118 |
| #2 | 5.721962 | 59.13899 | .1328480 | .0119086 | 1.401337 | .3554317 | 1.613873 |
| #3 | 5.701457 | 58.52650 | .1329759 | .0115175 | 1.281050 | .3508817 | 1.557297 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 29.60993 | 10.53008 | .2507429 | .0090979 | 5.057308 | 2.445995 | .0095028 |
| Stddev | .17470   | .06518   | .0008700 | .0002201 | .036214  | .031027  | .0009143 |
| %RSD   | .5900069 | .6189795 | .3469572 | 2.418762 | .7160667 | 1.268464 | 9.621314 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 29.81130 | 10.48507 | .2503617 | .0091661 | 5.020283 | 2.411424 | .0098185 |
| #2 | 29.51962 | 10.50036 | .2517384 | .0092758 | 5.058991 | 2.455141 | .0084725 |
| #3 | 29.49887 | 10.60483 | .2501286 | .0088518 | 5.092651 | 2.471421 | .0102174 |

Sample Name: J4308-19      Acquired: 8/9/2018 17:32:09      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GW4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.812683 | .1081514 | .7818449 |
| Stddev | .004396  | .0016146 | .0000900 |
| %RSD   | .2425243 | 1.492865 | .0115180 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.807874 | .1069613 | .7817498 |
| #2 | 1.816496 | .1099893 | .7818559 |
| #3 | 1.813678 | .1075038 | .7819289 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2073.667 | 3221.617 | 49171.15 | 6185.796 | 3363.480 |
| Stddev    | 20.151   | 11.270   | 153.28   | 20.901   | 13.560   |
| %RSD      | .9717497 | .3498221 | .3117364 | .3378902 | .4031406 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2085.716 | 3226.325 | 49292.23 | 6208.849 | 3372.598 |
| #2 | 2050.404 | 3229.769 | 48998.80 | 6180.456 | 3369.944 |
| #3 | 2084.881 | 3208.756 | 49222.41 | 6168.083 | 3347.898 |

Sample Name: J4308-20      Acquired: 8/9/2018 17:36:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GW5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1958603 | -.004733 | 1.801943 | .0150364 | .0088230 | 97.13089 | 1.632817 |
| Stddev | .0051345 | .000966  | .008394  | .0042909 | .0017932 | .17107   | .004133  |
| %RSD   | 2.621506 | 20.40226 | .4658151 | 28.53700 | 20.32363 | .1761278 | .2530918 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2017779 | -.005612 | 1.807364 | .0199028 | .0108599 | 97.00521 | 1.629438 |
| #2 | .1932169 | -.003700 | 1.792274 | .0134097 | .0081262 | 97.32571 | 1.637425 |
| #3 | .1925861 | -.004887 | 1.806189 | .0117966 | .0074828 | 97.06173 | 1.631588 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0085815 | .0457155 | 218.2310 | .1421090 | .0961520 | .4777935 | 187.9853 |
| Stddev | .0000920 | .0002690 | .7487    | .0009016 | .0004957 | .0038500 | .8068    |
| %RSD   | 1.071903 | .5884773 | .3430993 | .6344351 | .5155100 | .8057933 | .4291710 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0086252 | .0456762 | 217.4794 | .1431101 | .0965680 | .4759554 | 187.2510 |
| #2 | .0084758 | .0454683 | 218.9769 | .1418557 | .0956036 | .4752070 | 188.8490 |
| #3 | .0086435 | .0460020 | 218.2367 | .1413611 | .0962845 | .4822181 | 187.8559 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.118035 | 72.72392 | .1604691 | .0091739 | 1.073145 | .3456273 | 1.561986 |
| Stddev | .022585  | .46428   | .0007288 | .0001659 | .223651  | .0017483 | .022437  |
| %RSD   | .3691578 | .6384167 | .4541743 | 1.808360 | 20.84070 | .5058402 | 1.436467 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.091959 | 72.19022 | .1597568 | .0090152 | 1.314884 | .3475966 | 1.536390 |
| #2 | 6.130760 | 73.03470 | .1604369 | .0093462 | .873591  | .3442579 | 1.571314 |
| #3 | 6.131388 | 72.94684 | .1612134 | .0091603 | 1.030959 | .3450275 | 1.578255 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 33.01884 | 11.50620 | .2682217 | .0082210 | 5.738300 | 3.140883 | .0094527 |
| Stddev | .08339   | .05774   | .0025588 | .0001273 | .032700  | .014401  | .0019381 |
| %RSD   | .2525646 | .5018590 | .9540031 | 1.548730 | .5698515 | .4585095 | 20.50256 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 33.05272 | 11.54269 | .2652786 | .0080856 | 5.748130 | 3.153807 | .0105206 |
| #2 | 32.92384 | 11.43962 | .2699197 | .0083384 | 5.701813 | 3.125358 | .0106220 |
| #3 | 33.07996 | 11.53628 | .2694669 | .0082390 | 5.764958 | 3.143482 | .0072156 |



Sample Name: J4308-20      Acquired: 8/9/2018 17:36:10      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GW5      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.897175 | .1280510 | .7149327 |
| Stddev | .006646  | .0005113 | .0015618 |
| %RSD   | .3503212 | .3992955 | .2184507 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.892502 | .1276077 | .7148425 |
| #2 | 1.894239 | .1279351 | .7134180 |
| #3 | 1.904783 | .1286104 | .7165377 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2072.025 | 3219.097 | 49206.91 | 6186.929 | 3298.353 |
| Stddev    | 1.802    | 9.389    | 126.53   | 18.232   | 14.521   |
| %RSD      | .0869695 | .2916621 | .2571396 | .2946913 | .4402394 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2071.878 | 3210.364 | 49061.25 | 6166.142 | 3288.110 |
| #2 | 2073.897 | 3229.027 | 49269.80 | 6200.210 | 3314.971 |
| #3 | 2070.302 | 3217.899 | 49289.67 | 6194.436 | 3291.980 |

Sample Name: J4308-21      Acquired: 8/9/2018 17:40:11      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GW7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1691289 | -.007062 | 2.110472 | .0097825 | .0108995 | 102.3000 | 1.596250 |
| Stddev | .0007539 | .000864  | .008230  | .0028156 | .0036508 | .4305    | .004598  |
| %RSD   | .4457338 | 12.23514 | .3899536 | 28.78147 | 33.49488 | .4208501 | .2880418 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1686704 | -.006177 | 2.106194 | .0077565 | .0075409 | 102.4738 | 1.599892 |
| #2 | .1699990 | -.007903 | 2.105263 | .0085935 | .0147852 | 101.8097 | 1.591083 |
| #3 | .1687173 | -.007105 | 2.119960 | .0129975 | .0103724 | 102.6164 | 1.597774 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0082997 | .0616867 | 155.6092 | .1336124 | .0924272 | .5763906 | 189.1643 |
| Stddev | .0002341 | .0005499 | .5649    | .0006590 | .0003208 | .0047314 | .6683    |
| %RSD   | 2.820585 | .8914850 | .3630280 | .4932223 | .3470383 | .8208622 | .3532804 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0083849 | .0615693 | 156.0223 | .1328628 | .0926488 | .5735843 | 189.8253 |
| #2 | .0080349 | .0612049 | 154.9654 | .1338739 | .0920593 | .5818532 | 188.4890 |
| #3 | .0084793 | .0622858 | 155.8398 | .1341006 | .0925734 | .5737342 | 189.1787 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.776590 | 67.22617 | .1516114 | .0119463 | .9860806 | .3606553 | 1.686081 |
| Stddev | .005974  | .22937   | .0004149 | .0000873 | .0864393 | .0058882 | .009169  |
| %RSD   | .1034127 | .3411872 | .2736448 | .7308293 | 8.765949 | 1.632650 | .5438233 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.783046 | 67.07468 | .1515502 | .0120308 | 1.077919 | .3547124 | 1.695394 |
| #2 | 5.771258 | 67.11378 | .1512304 | .0119517 | .906308  | .3607663 | 1.677062 |
| #3 | 5.775467 | 67.49006 | .1520534 | .0118564 | .974015  | .3664873 | 1.685788 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 33.68890 | 12.36068 | .2910664 | .0091970 | 7.994644 | 6.708100 | .0111608 |
| Stddev | .26810   | .06057   | .0016850 | .0000800 | .007953  | .048692  | .0011423 |
| %RSD   | .7958170 | .4900084 | .5788937 | .8700373 | .0994809 | .7258648 | 10.23490 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 33.85059 | 12.32173 | .2894122 | .0091046 | 8.002529 | 6.742941 | .0121488 |
| #2 | 33.37943 | 12.32985 | .2910064 | .0092404 | 7.986625 | 6.652463 | .0114237 |
| #3 | 33.83669 | 12.43046 | .2927805 | .0092458 | 7.994779 | 6.728895 | .0099100 |

Sample Name: J4308-21      Acquired: 8/9/2018 17:40:11      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GW7      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.473048 | .1285007 | .6901158 |
| Stddev | .004600  | .0015938 | .0006490 |
| %RSD   | .1860080 | 1.240295 | .0940410 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.469629 | .1273313 | .6908651 |
| #2 | 2.471237 | .1278549 | .6897460 |
| #3 | 2.478278 | .1303161 | .6897362 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2147.093 | 3304.367 | 51151.84 | 6404.097 | 3396.582 |
| Stddev    | 4.946    | 4.124    | 53.80    | 47.036   | 8.833    |
| %RSD      | .2303678 | .1248196 | .1051742 | .7344721 | .2600684 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2147.018 | 3308.423 | 51138.86 | 6358.067 | 3401.870 |
| #2 | 2152.076 | 3304.501 | 51210.95 | 6452.079 | 3401.493 |
| #3 | 2142.185 | 3300.177 | 51105.72 | 6402.145 | 3386.385 |

Sample Name: CCV087      Acquired: 8/9/2018 17:58:32      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCV087      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.250677 | 5.078518 | 25.03536 | 5.158726 | 5.242379 | 410.4285 |
| Stddev | .043323  | .026735  | .12687   | .013805  | .027776  | .2986    |
| %RSD   | .8251024 | .5264399 | .5067498 | .2675962 | .5298331 | .0727579 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 5.233721 | 5.061664 | 24.95349 | 5.144875 | 5.229432 | 410.3688 |
| #2 | 5.218396 | 5.064546 | 24.97110 | 5.158820 | 5.223441 | 410.7524 |
| #3 | 5.299914 | 5.109345 | 25.18150 | 5.172483 | 5.274265 | 410.1642 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 9.966907 | .4965351 | 2.542747 | 398.4464 | 15.20558 | 2.558495 |
| Stddev | .007750  | .0025984 | .014794  | .7862    | .00953   | .012789  |
| %RSD   | .0777615 | .5232979 | .5817942 | .1973187 | .0626702 | .4998820 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.971317 | .4943426 | 2.532009 | 399.0599 | 15.20724 | 2.551076 |
| #2 | 9.971446 | .4958576 | 2.536611 | 397.5601 | 15.21417 | 2.551146 |
| #3 | 9.957958 | .4994051 | 2.559622 | 398.7191 | 15.19533 | 2.573263 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 15.40123 | 417.9077 | 14.48407 | 406.9117 | 2.595461 | 1.226611 |
| Stddev | .03854   | .9132    | .06278   | .9058    | .014950  | .004136  |
| %RSD   | .2502572 | .2185226 | .4334119 | .2225931 | .5760210 | .3372245 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 15.41394 | 418.9164 | 14.53391 | 406.9802 | 2.585613 | 1.223177 |
| #2 | 15.35793 | 417.1370 | 14.41357 | 405.9737 | 2.588106 | 1.225454 |
| #3 | 15.43181 | 417.6699 | 14.50475 | 407.7813 | 2.612664 | 1.231203 |

|        |          |          |          |          |            |          |
|--------|----------|----------|----------|----------|------------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm      |
| Avg    | 402.6035 | 2.436241 | 14.47999 | 148.7319 | F 5.799789 | 5.106209 |
| Stddev | 1.0913   | .018066  | .13949   | .4804    | .029451    | .025921  |
| %RSD   | .2710535 | .7415426 | .9632985 | .3229713 | .5077884   | .5076343 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 401.5296 | 2.449926 | 14.58096 | 148.3010 | 5.782160 | 5.093318 |
| #2 | 403.7114 | 2.415763 | 14.32083 | 148.6448 | 5.783418 | 5.089261 |
| #3 | 402.5694 | 2.443033 | 14.53818 | 149.2498 | 5.833788 | 5.136048 |

Sample Name: CCV087      Acquired: 8/9/2018 17:58:32      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCV087      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.277893 | 5.373868 | 4.582289 | 5.300335 | 5.033123 | 5.187499 |
| Stddev | .027025  | .029008  | .036474  | .032920  | .016006  | .012442  |
| %RSD   | .5120414 | .5398000 | .7959703 | .6210851 | .3180104 | .2398411 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 5.264909 | 5.352986 | 4.573440 | 5.278698 | 5.051601 | 5.186920 |
| #2 | 5.259811 | 5.361627 | 4.551055 | 5.284087 | 5.023515 | 5.200220 |
| #3 | 5.308960 | 5.406990 | 4.622374 | 5.338220 | 5.024255 | 5.175357 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 5.133269 |
| Stddev | .008017  |
| %RSD   | .1561692 |

|    |          |
|----|----------|
| #1 | 5.139709 |
| #2 | 5.124290 |
| #3 | 5.135806 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1702.389 | 2592.414 | 41564.64 | 5311.256 | 2930.369 |
| Stddev    | 5.733    | 7.888    | 48.41    | 15.124   | 9.660    |
| %RSD      | .3367882 | .3042570 | .1164626 | .2847630 | .3296350 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1701.584 | 2593.373 | 41620.39 | 5318.275 | 2936.795 |
| #2 | 1708.483 | 2599.778 | 41533.32 | 5321.596 | 2935.050 |
| #3 | 1697.101 | 2584.090 | 41540.20 | 5293.897 | 2919.260 |

Sample Name: CCB087      Acquired: 8/9/2018 18:02:21      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCB087      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0011768 | -.002132 | .0011742 | .0043178 | -.003309 | -.001368 | -.000319 |
| Stddev | .0051706 | .001485  | .0008481 | .0021328 | .001630  | .022453  | .001270  |
| %RSD   | 439.3908 | 69.67975 | 72.22594 | 49.39557 | 49.26697 | 1641.016 | 398.2301 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0065405 | -.003330 | .0002278 | .0020644 | -.004050 | -.013436 | -.001245 |
| #2 | .0007660 | -.002594 | .0014296 | .0045839 | -.004437 | -.015207 | -.000841 |
| #3 | -.003776 | -.000470 | .0018653 | .0063051 | -.001440 | .024539  | .001129  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000070 | -.000019 | -.001579 | .0000596 | -.000064 | .0017700 | .0196523 |
| Stddev | .000055  | .000083  | .007749  | .0008475 | .000152  | .0003425 | .0169727 |
| %RSD   | 78.94854 | 443.9155 | 490.6761 | 1422.935 | 235.8833 | 19.34867 | 86.36540 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000101 | -.000103 | -.009024 | -.000391 | .000027  | .0021349 | .0011684 |
| #2 | -.000006 | -.000017 | -.002155 | -.000468 | .000019  | .0017194 | .0232519 |
| #3 | -.000103 | .000063  | .006441  | .001037  | -.000240 | .0014556 | .0345364 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000609 | -.030521 | .0000411 | .0009498 | -.251016 | .0014876 | -.018072 |
| Stddev | .001024  | .004618  | .0001885 | .0005213 | .169962  | .0028247 | .010192  |
| %RSD   | 168.0956 | 15.13063 | 458.0030 | 54.88393 | 67.70949 | 189.8809 | 56.39992 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.001683 | -.027611 | -.000117 | .0005710 | -.399435 | .0044914 | -.010583 |
| #2 | -.000500 | -.035846 | .000250  | .0015444 | -.288008 | .0010868 | -.029679 |
| #3 | .000356  | -.028107 | -.000010 | .0007342 | -.065605 | -.001115 | -.013954 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.106774 | -.004648 | .0017803 | .0001183 | -.003672 | .0025354 | .0001412 |
| Stddev | .019031  | .000945  | .0015764 | .0000435 | .004764  | .0007780 | .0006608 |
| %RSD   | 17.82401 | 20.33374 | 88.54508 | 36.79282 | 129.7313 | 30.68684 | 467.9897 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.117793 | -.003760 | .0022848 | .0001674 | -.004433 | .0030857 | -.000524 |
| #2 | -.084798 | -.004542 | .0030426 | .0000844 | .001426  | .0028751 | .000150  |
| #3 | -.117730 | -.005641 | .0000134 | .0001031 | -.008010 | .0016452 | .000798  |

Sample Name: CCB087      Acquired: 8/9/2018 18:02:21      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v621)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: CCB087      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.002047 | -.001736 | -.000006 |
| Stddev | .003175  | .001604  | .000159  |
| %RSD   | 155.1176 | 92.39149 | 2838.589 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .001454  | -.003396 | -.000188 |
| #2 | -.004740 | -.001620 | .000068  |
| #3 | -.002854 | -.000194 | .000103  |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1931.406 | 2949.181 | 44955.09 | 5482.308 | 3566.110 |
| Stddev    | 11.215   | 20.426   | 152.59   | 14.077   | 26.595   |
| %RSD      | .5806563 | .6926020 | .3394187 | .2567695 | .7457651 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1931.465 | 2949.392 | 44829.88 | 5475.450 | 3563.693 |
| #2 | 1920.162 | 2969.501 | 44910.35 | 5472.975 | 3593.830 |
| #3 | 1942.592 | 2928.651 | 45125.05 | 5498.500 | 3540.805 |