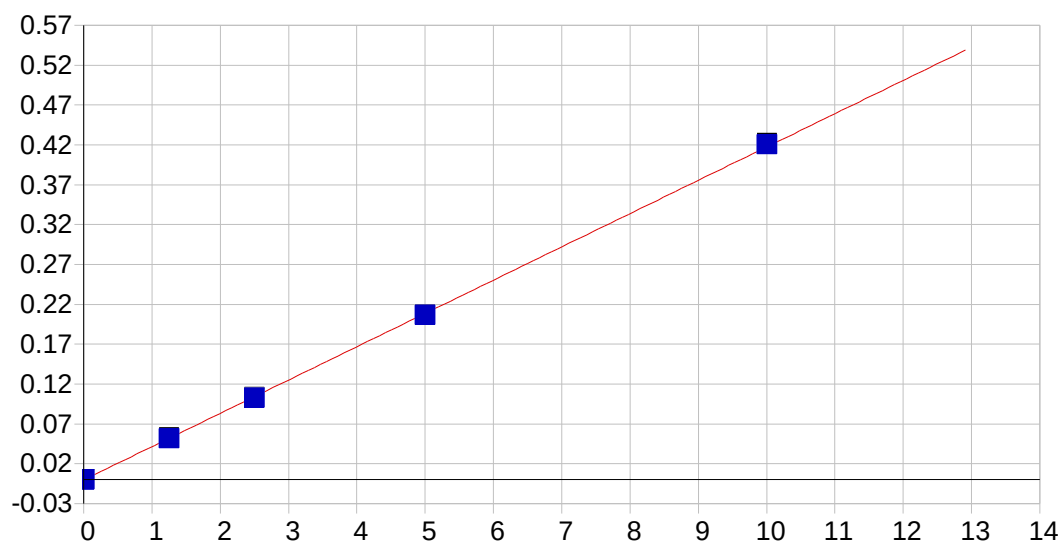




As 189.042 {479}

Date of Fit: 6/8/2017 15:46:07

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000208

Re-Slope: 1.000000

A1 (Gain): 0.041758

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999946

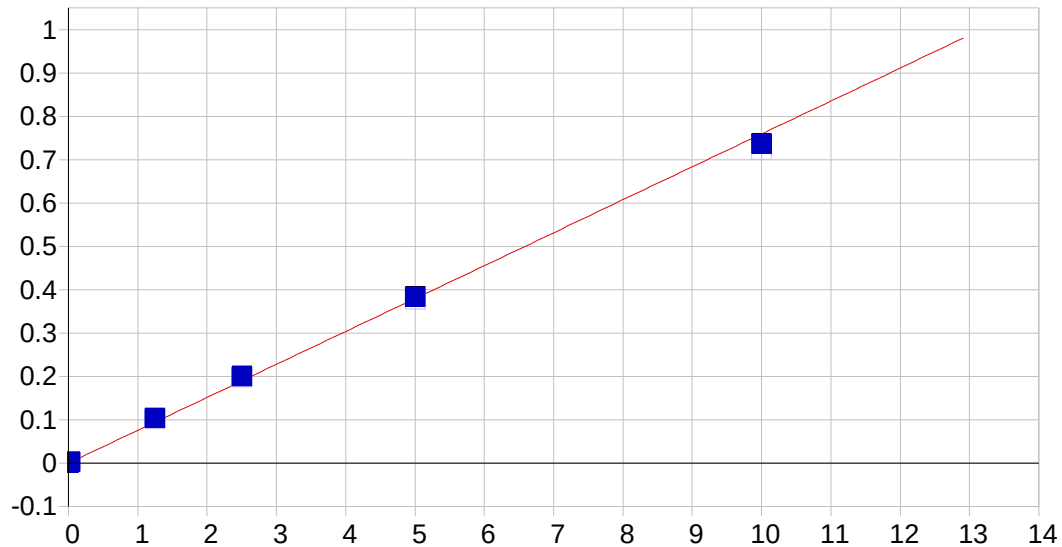
Status: OK.

Std Error of Est: 0.000007

Predicted MDL: 0.003051

Predicted MQL: 0.010169

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00021 | .000    | 1        |
| S1        | .01000       | .01202      | .002       | 20.2    | .00029  | .000    | 1        |
| S2        | 1.2500       | 1.2488      | -.001      | -.099   | .05192  | .000    | 1        |
| S3        | 2.5000       | 2.4644      | -.036      | -1.43   | .10267  | .001    | 1        |
| S4        | 5.0000       | 4.9534      | -.047      | -.933   | .20658  | .000    | 1        |
| S5        | 10.000       | 10.081      | .081       | .815    | .42066  | .001    | 1        |



TI 190.856 {477}

Date of Fit: 6/8/2017 15:46:07

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000152

Re-Slope: 1.000000

A1 (Gain): 0.075936

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999216

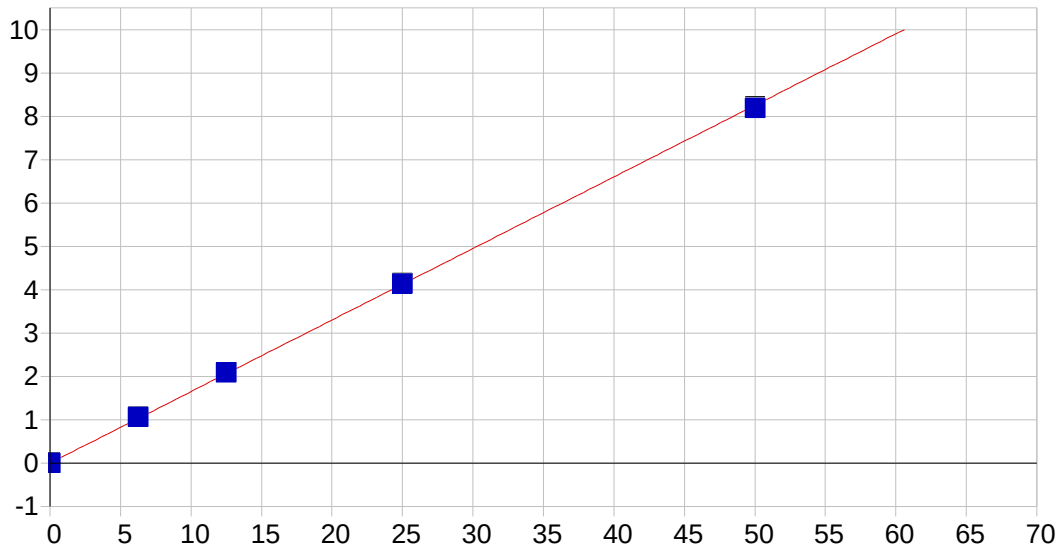
Status: OK.

Std Error of Est: 0.000078

Predicted MDL: 0.001434

Predicted MQL: 0.004781

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | .000       | .000    | -.00015 | .000    | 1        |
| S1        | .02500       | .02865      | .004       | 14.6    | .00186  | .000    | 1        |
| S2        | 1.2500       | 1.3633      | .113       | 9.07    | .10165  | .000    | 1        |
| S3        | 2.5000       | 2.6385      | .139       | 5.54    | .19676  | .001    | 1        |
| S4        | 5.0000       | 5.0512      | .051       | 1.02    | .37651  | .001    | 1        |
| S5        | 10.000       | 9.6936      | -.306      | -3.06   | .72214  | .002    | 1        |

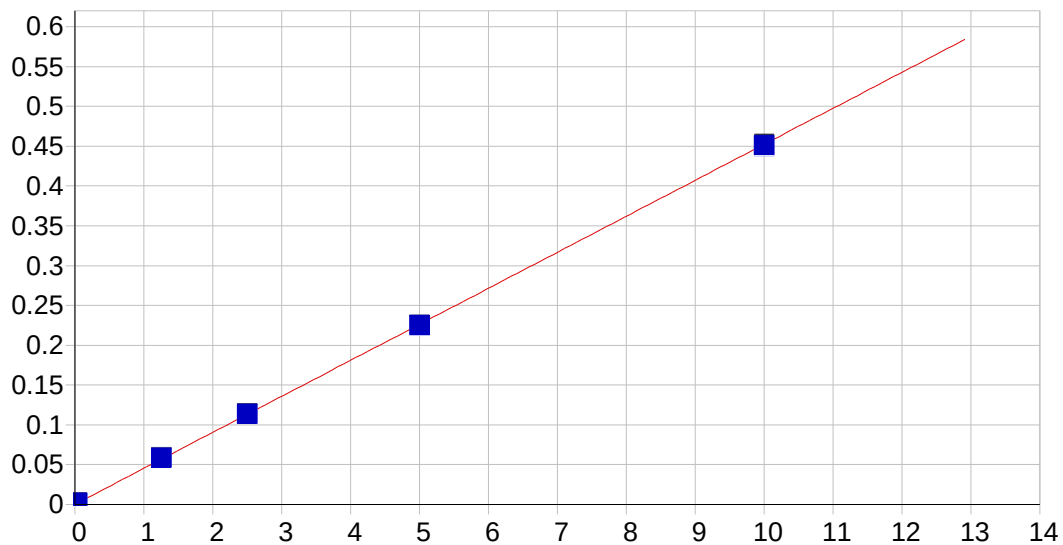


Pb 220.353 {453}

Date of Fit: 6/8/2017 15:46:07 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000039 Re-Slope: 1.000000  
 A1 (Gain): 0.165174 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999954 Status: OK.  
 Std Error of Est: 0.000060  
 Predicted MDL: 0.001360  
 Predicted MQL: 0.004533

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00004 | .000    | 1        |
| S1        | .01000       | .01040      | .000       | 4.02    | .00175 | .000    | 1        |
| S2        | 6.2500       | 6.4131      | .163       | 2.61    | 1.0596 | .006    | 1        |
| S3        | 12.500       | 12.637      | .137       | 1.09    | 2.0879 | .001    | 1        |
| S4        | 25.000       | 25.069      | .069       | .278    | 4.1421 | .008    | 1        |
| S5        | 50.000       | 49.630      | -.370      | -.739   | 8.2001 | .024    | 1        |

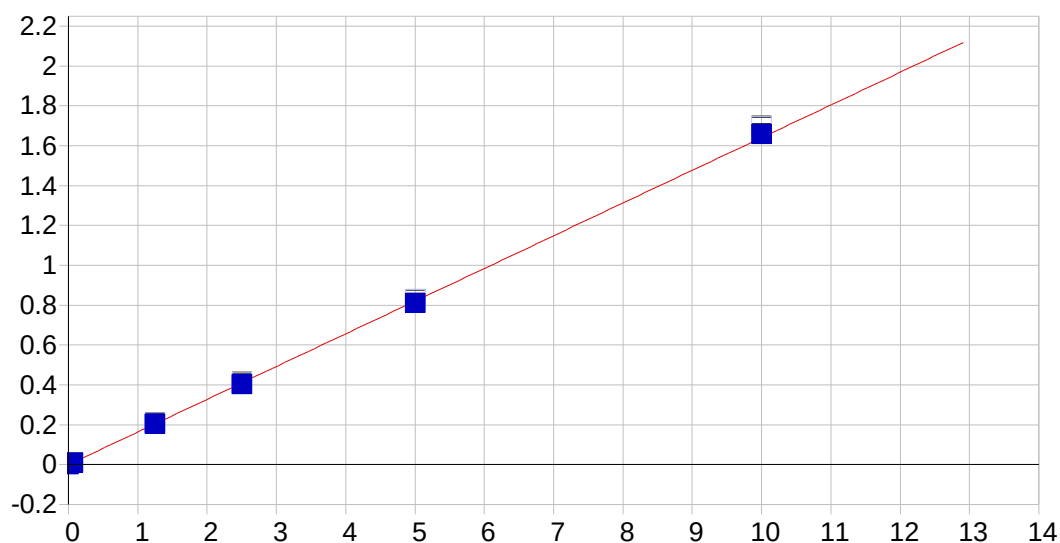


Se 196.090 {472}

Date of Fit: 6/8/2017 15:46:07 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000188 Re-Slope: 1.000000  
 A1 (Gain): 0.045213 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999953 Status: OK.  
 Std Error of Est: 0.000014  
 Predicted MDL: 0.003099  
 Predicted MQL: 0.010331

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00019 | .000    | 1        |
| S1        | .03500       | .03442      | -.001      | -1.66   | .00174 | .000    | 1        |
| S2        | 1.2500       | 1.2919      | .042       | 3.36    | .05839 | .000    | 1        |
| S3        | 2.5000       | 2.5161      | .016       | .643    | .11353 | .000    | 1        |
| S4        | 5.0000       | 4.9724      | -.028      | -.551   | .22417 | .000    | 1        |
| S5        | 10.000       | 9.9701      | -.030      | -.299   | .44930 | .002    | 1        |



Sb 206.833 {463}

Date of Fit: 6/8/2017 15:46:07

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000291

Re-Slope: 1.000000

A1 (Gain): 0.164103

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999936

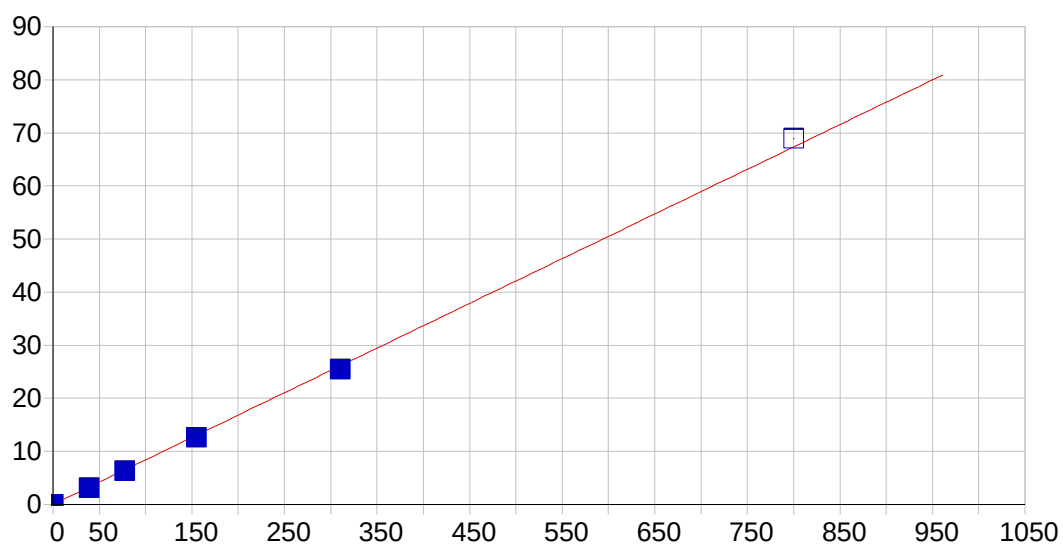
Status: OK.

Std Error of Est: 0.000078

Predicted MDL: 0.001208

Predicted MQL: 0.004027

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00029 | .000    | 1        |
| S1        | .06000       | .06289      | .003       | 4.82    | .01003  | .000    | 1        |
| S2        | 1.2500       | 1.2504      | .000       | .029    | .20983  | .001    | 1        |
| S3        | 2.5000       | 2.4634      | -.037      | -1.46   | .41382  | .001    | 1        |
| S4        | 5.0000       | 4.9339      | -.066      | -1.32   | .82909  | .001    | 1        |
| S5        | 10.000       | 10.100      | .100       | .995    | 1.6965  | .004    | 1        |



AI 396.152 { 85}

Date of Fit: 6/8/2017 15:46:07

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000749

Re-Slope: 1.000000

A1 (Gain): 0.084185

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999639

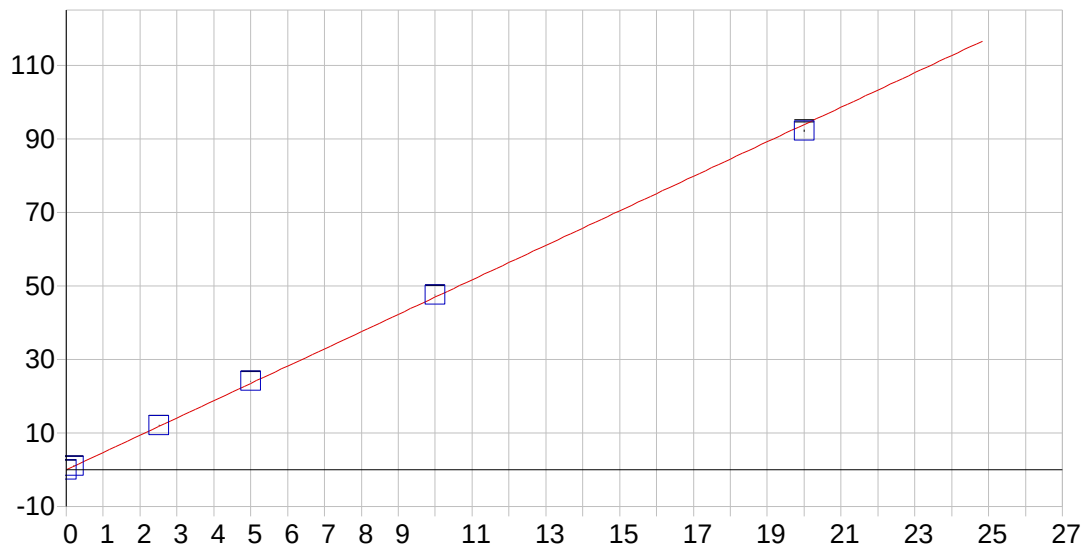
Status: OK.

Std Error of Est: 0.001408

Predicted MDL: 0.008294

Predicted MQL: 0.027646

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00003      | .000       | .000    | .00075 | .000    | 1        |
| S1        | .20000       | .19464      | -.005      | -2.68   | .01717 | .000    | 1        |
| S2        | 38.750       | 37.125      | -1.62      | -4.19   | 3.1301 | .004    | 1        |
| S3        | 77.500       | 74.643      | -2.86      | -3.69   | 6.2924 | .004    | 1        |
| S4        | 155.00       | 149.37      | -5.63      | -3.63   | 12.591 | .029    | 1        |
| S5        | 310.00       | 301.95      | -8.05      | -2.60   | 25.452 | .040    | 1        |
| S6        | 800.00       | 818.18      | 18.2       | 2.27    | 68.880 | .112    | 1        |



Ba 493.409 { 68}

Date of Fit: 6/8/2017 15:46:07

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.011984

Re-Slope: 1.000000

A1 (Gain): 4.693653

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999805

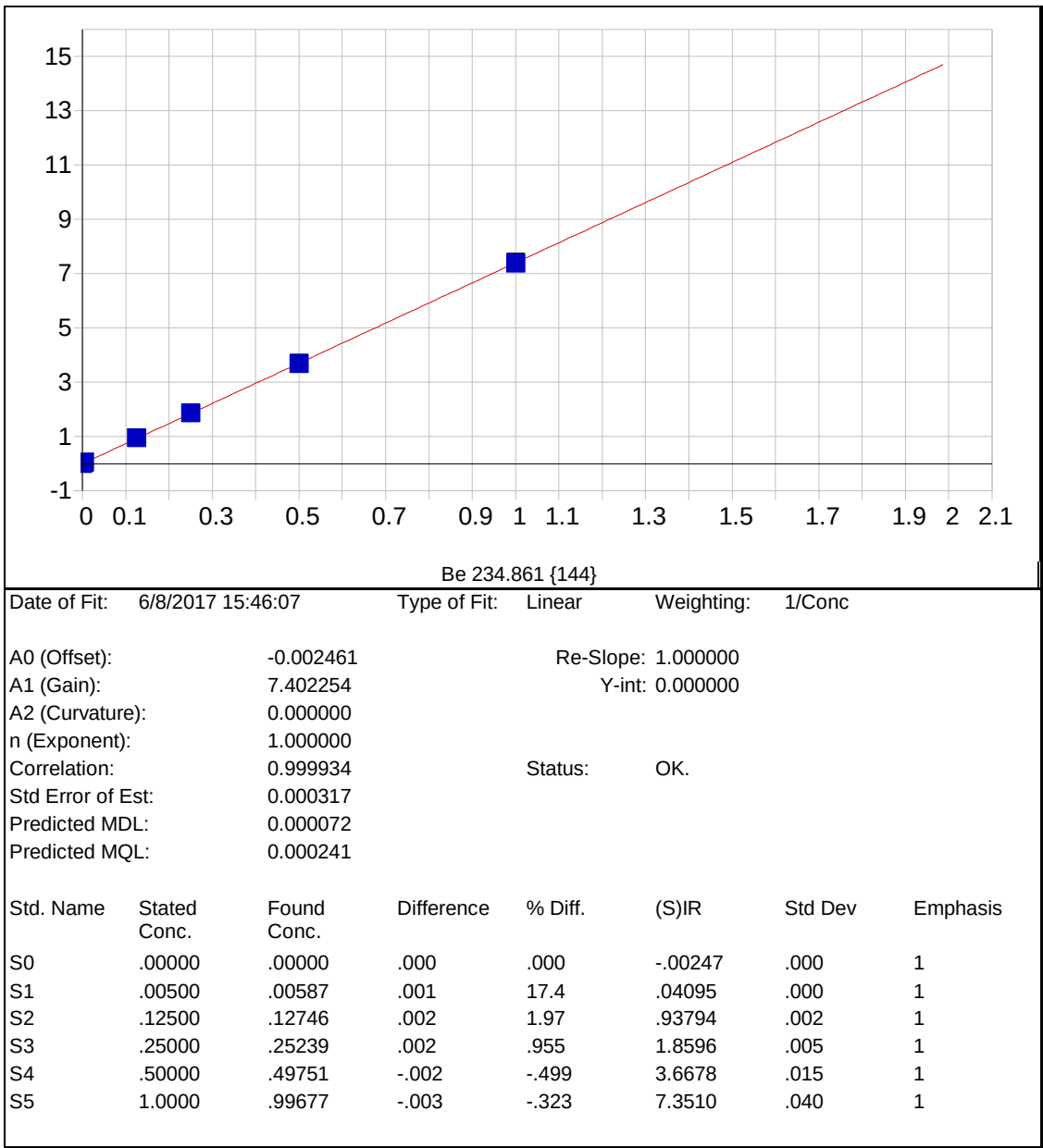
Status: OK.

Std Error of Est: 0.009861

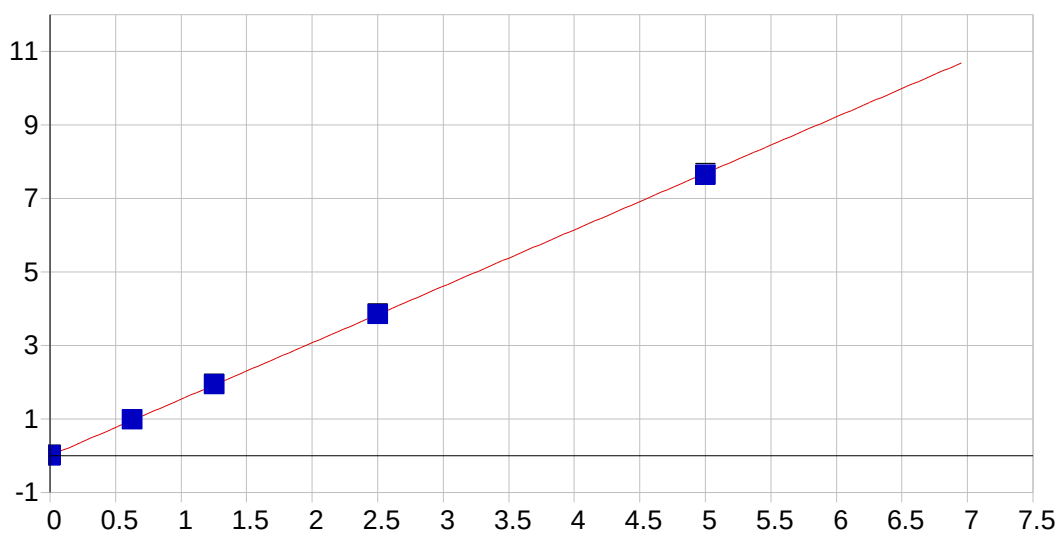
Predicted MDL: 0.000395

Predicted MQL: 0.001318

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00002     | .000       | .000    | -.01208 | .001    | 1        |
| S1        | .20000       | .21080      | .011       | 5.40    | .97745  | .006    | 1        |
| S2        | 2.5000       | 2.5757      | .076       | 3.03    | 12.077  | .038    | 1        |
| S3        | 5.0000       | 5.1428      | .143       | 2.86    | 24.127  | .060    | 1        |
| S4        | 10.000       | 10.124      | .124       | 1.24    | 47.506  | .105    | 1        |
| S5        | 20.000       | 19.647      | -.353      | -1.77   | 92.203  | .348    | 1        |







Cd 214.438 {457}

Date of Fit: 6/8/2017 15:46:07

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000056

Re-Slope: 1.000000

A1 (Gain): 1.536807

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999968

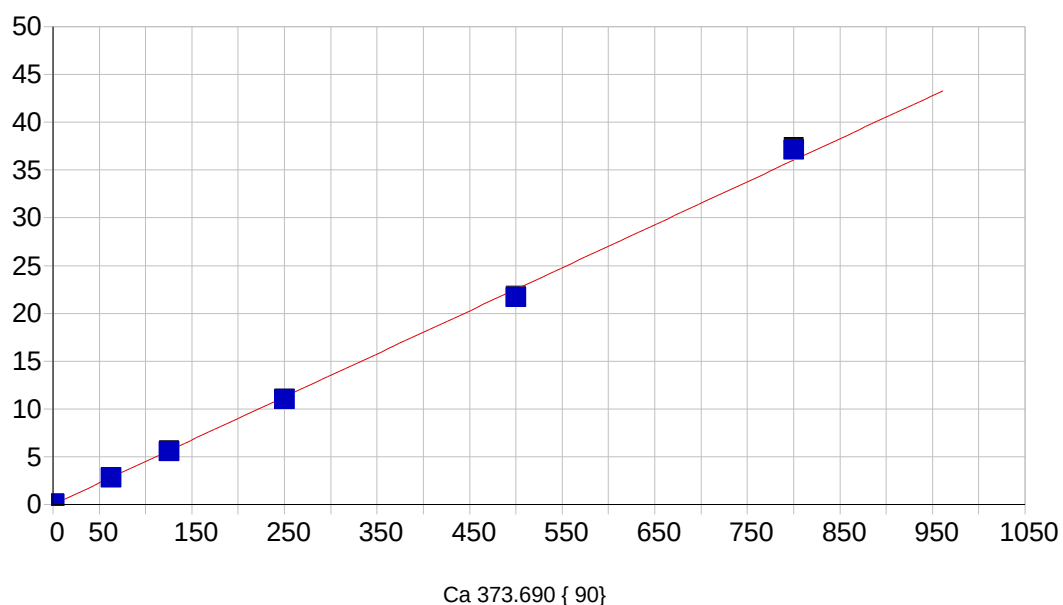
Status: OK.

Std Error of Est: 0.000103

Predicted MDL: 0.000093

Predicted MQL: 0.000311

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00006 | .000    | 1        |
| S1        | .00500       | .00526      | .000       | 5.18    | .00814 | .000    | 1        |
| S2        | .62500       | .63657      | .012       | 1.85    | .98002 | .003    | 1        |
| S3        | 1.2500       | 1.2653      | .015       | 1.23    | 1.9480 | .007    | 1        |
| S4        | 2.5000       | 2.5026      | .003       | .105    | 3.8528 | .007    | 1        |
| S5        | 5.0000       | 4.9702      | -.030      | -.596   | 7.6517 | .038    | 1        |



Date of Fit: 6/8/2017 15:46:07

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.002116

Re-Slope: 1.000000

A1 (Gain): 0.045034

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999542

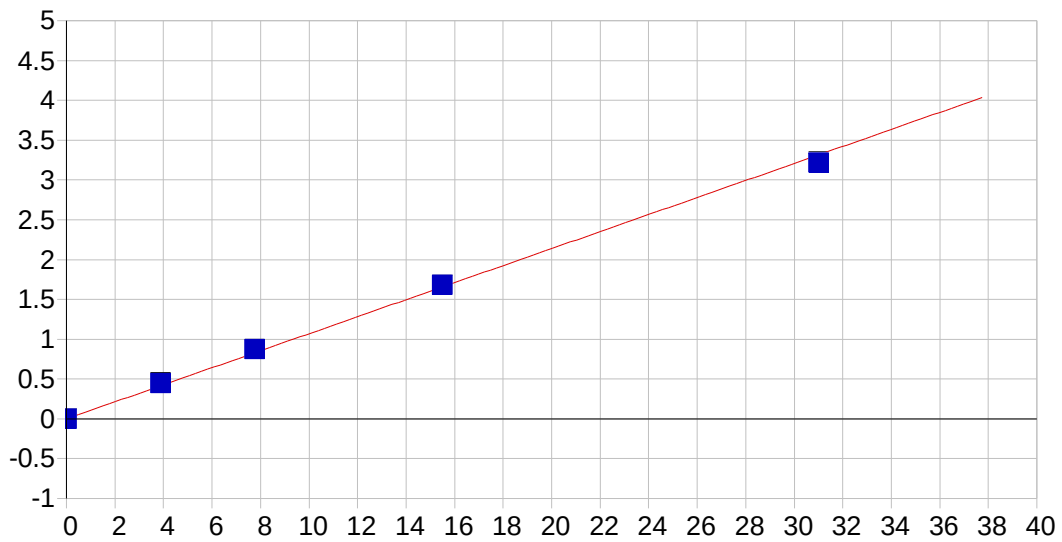
Status: OK.

Std Error of Est: 0.002122

Predicted MDL: 0.014533

Predicted MQL: 0.048445

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | .000       | .000    | .00212 | .000    | 1        |
| S1        | 1.0000       | 1.0470      | .047       | 4.70    | .04926 | .001    | 1        |
| S2        | 62.500       | 62.646      | .146       | .234    | 2.8199 | .009    | 1        |
| S3        | 125.00       | 123.82      | -1.18      | -.945   | 5.5713 | .023    | 1        |
| S4        | 250.00       | 244.08      | -5.92      | -2.37   | 10.980 | .034    | 1        |
| S5        | 500.00       | 481.94      | -18.1      | -3.61   | 21.678 | .101    | 1        |
| S6        | 800.00       | 824.99      | 25.0       | 3.12    | 37.082 | .189    | 1        |



Cr 267.716 {126}

Date of Fit: 6/8/2017 15:46:07

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000005

Re-Slope: 1.000000

A1 (Gain): 0.106906

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999345

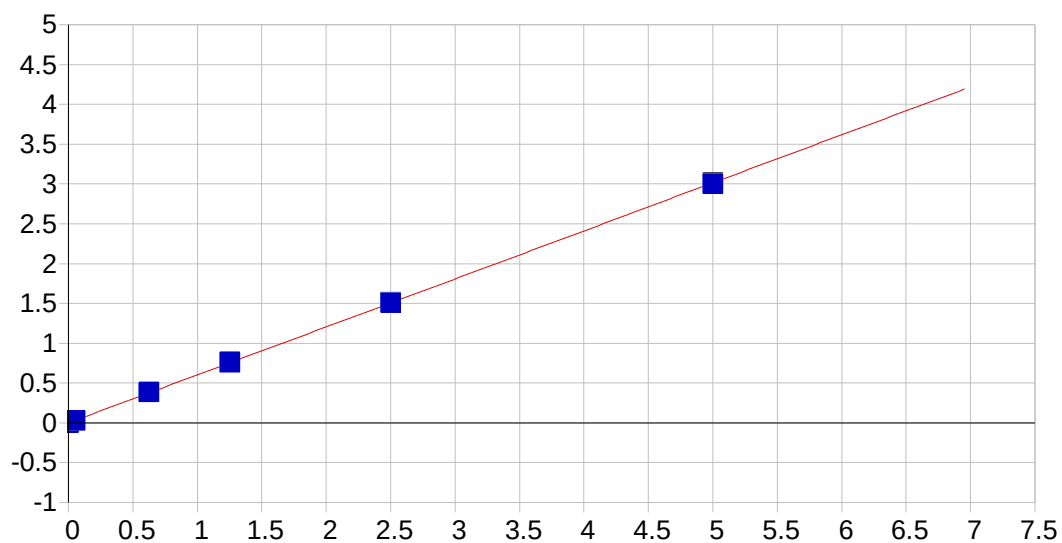
Status: OK.

Std Error of Est: 0.000115

Predicted MDL: 0.000465

Predicted MQL: 0.001550

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00001 | .000    | 1        |
| S1        | .01000       | .01176      | .002       | 17.6    | .00128 | .000    | 1        |
| S2        | 3.8750       | 4.1925      | .318       | 8.19    | .44928 | .004    | 1        |
| S3        | 7.7500       | 8.1412      | .391       | 5.05    | .87249 | .002    | 1        |
| S4        | 15.500       | 15.715      | .215       | 1.39    | 1.6843 | .003    | 1        |
| S5        | 31.000       | 30.075      | -.925      | -2.99   | 3.2237 | .006    | 1        |



Co 228.616 {448}

Date of Fit: 6/8/2017 15:46:07

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000191

Re-Slope: 1.000000

A1 (Gain): 0.602778

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999986

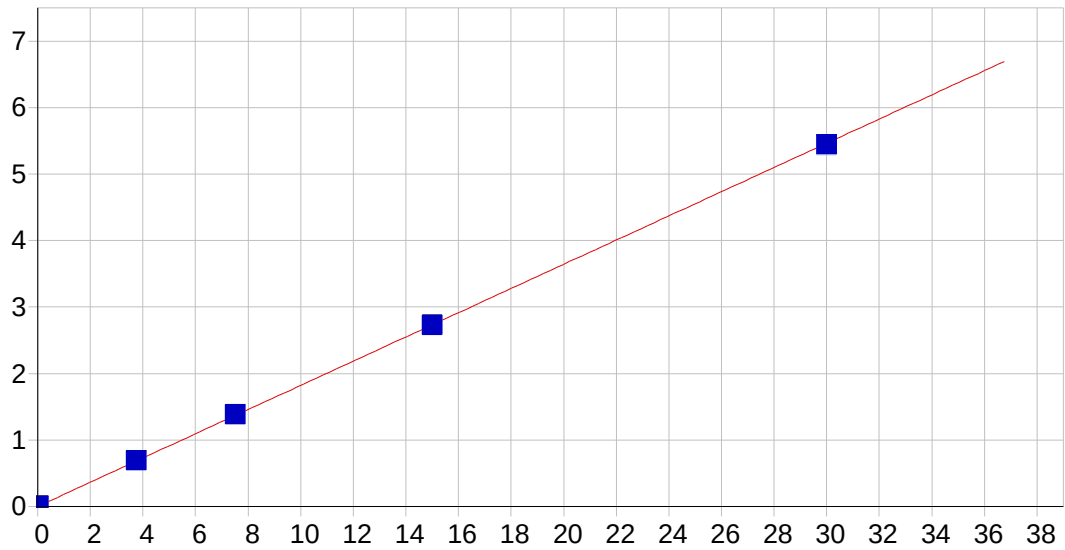
Status: OK.

Std Error of Est: 0.000084

Predicted MDL: 0.000243

Predicted MQL: 0.000811

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00019 | .000    | 1        |
| S1        | .05000       | .04880      | -.001      | -2.39   | .02934  | .000    | 1        |
| S2        | .62500       | .63294      | .008       | 1.27    | .38211  | .002    | 1        |
| S3        | 1.2500       | 1.2585      | .008       | .678    | .75996  | .002    | 1        |
| S4        | 2.5000       | 2.5033      | .003       | .132    | 1.5119  | .002    | 1        |
| S5        | 5.0000       | 4.9815      | -.019      | -.370   | 3.0088  | .008    | 1        |



Cu 324.754 {104}

Date of Fit: 6/8/2017 15:46:07

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.001014

Re-Slope: 1.000000

A1 (Gain): 0.182088

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999976

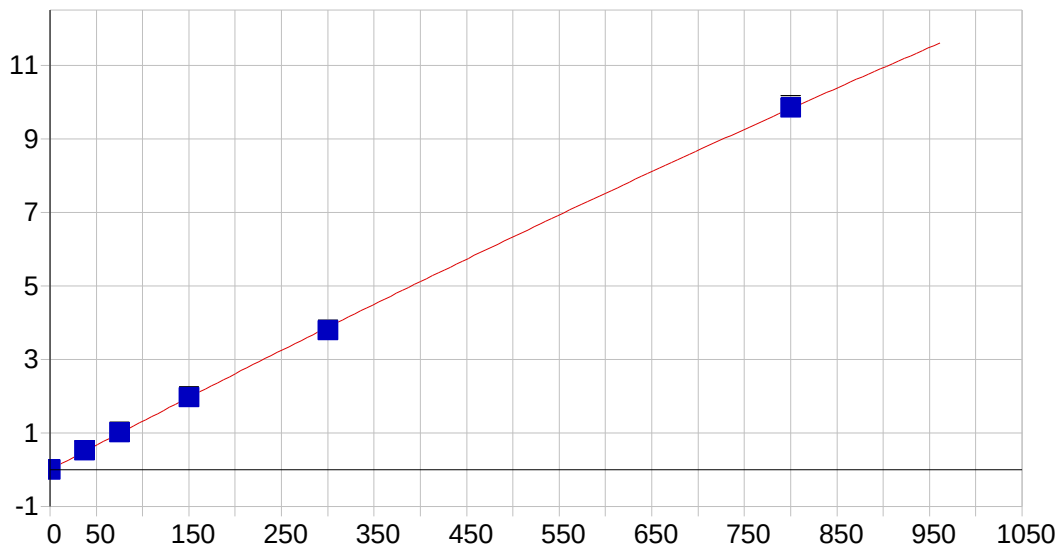
Status: OK.

Std Error of Est: 0.000058

Predicted MDL: 0.002306

Predicted MQL: 0.007688

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00101 | .000    | 1        |
| S1        | .02500       | .02891      | .004       | 15.6    | .00625 | .000    | 1        |
| S2        | 3.7500       | 3.7947      | .045       | 1.19    | .69004 | .002    | 1        |
| S3        | 7.5000       | 7.5908      | .091       | 1.21    | 1.3793 | .002    | 1        |
| S4        | 15.000       | 14.973      | -.027      | -.178   | 2.7197 | .005    | 1        |
| S5        | 30.000       | 29.887      | -.113      | -.375   | 5.4276 | .002    | 1        |



Fe 259.837 {130}

Date of Fit: 6/8/2017 15:46:07

Type of Fit: Curvilinear

Weighting: 1/Conc

A0 (Offset): -0.000028

Re-Slope: 1.000000

A1 (Gain): 0.013301

Y-int: 0.000000

A2 (Curvature): -0.000001

n (Exponent): 1.000000

Correlation: 0.999886

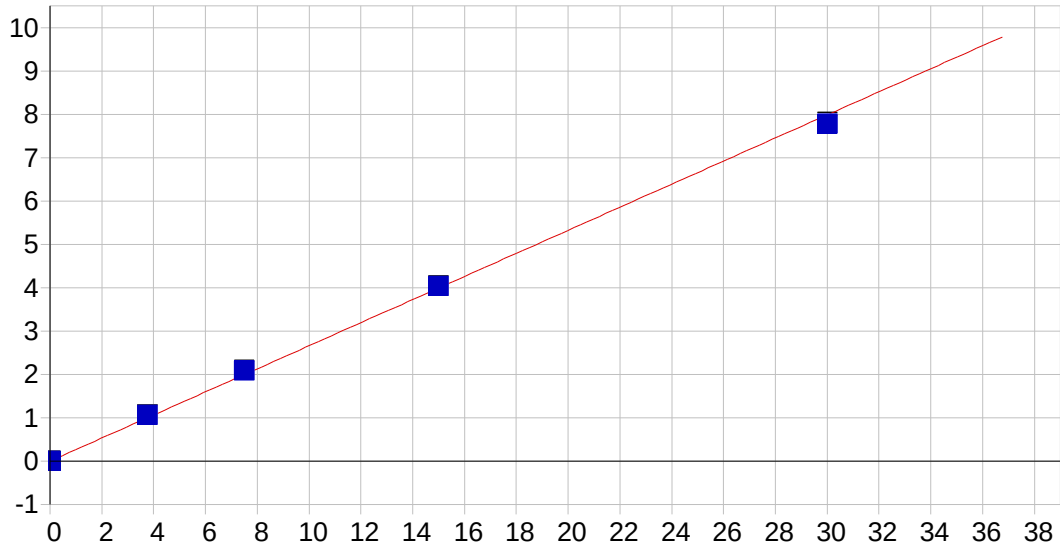
Status: OK.

Std Error of Est: 0.000093

Predicted MDL: 0.017026

Predicted MQL: 0.056752

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00003     | .000       | .000    | -.00003 | .000    | 1        |
| S1        | .10000       | .12324      | .023       | 23.2    | .00162  | .000    | 1        |
| S2        | 37.500       | 39.170      | 1.67       | 4.45    | .51960  | .001    | 1        |
| S3        | 75.000       | 77.219      | 2.22       | 2.96    | 1.0206  | .001    | 1        |
| S4        | 150.00       | 150.39      | .394       | .263    | 1.9737  | .007    | 1        |
| S5        | 300.00       | 293.39      | -6.61      | -2.20   | 3.7967  | .014    | 1        |
| S6        | 800.00       | 802.34      | 2.34       | .293    | 9.8516  | .054    | 1        |



Mn 257.610 {131}

Date of Fit: 6/8/2017 15:46:07

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000159

Re-Slope: 1.000000

A1 (Gain): 0.266191

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999514

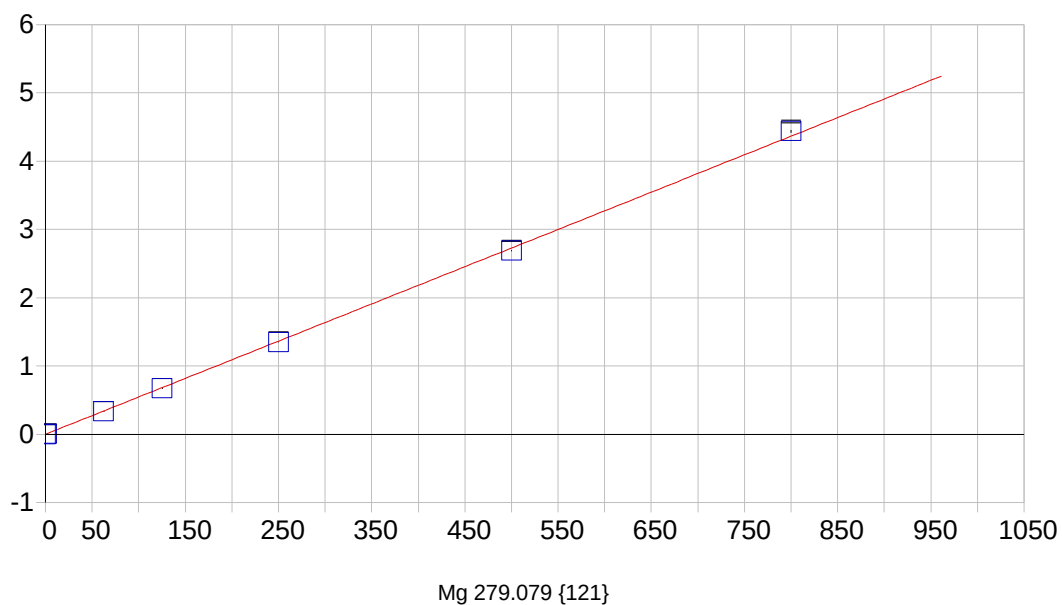
Status: OK.

Std Error of Est: 0.000295

Predicted MDL: 0.000954

Predicted MQL: 0.003179

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | .000       | .000    | -.00016 | .000    | 1        |
| S1        | .01500       | .01897      | .004       | 26.5    | .00489  | .000    | 1        |
| S2        | 3.7500       | 4.0059      | .256       | 6.82    | 1.0664  | .002    | 1        |
| S3        | 7.5000       | 7.8354      | .335       | 4.47    | 2.0860  | .011    | 1        |
| S4        | 15.000       | 15.168      | .168       | 1.12    | 4.0383  | .012    | 1        |
| S5        | 30.000       | 29.237      | -.763      | -2.54   | 7.7842  | .039    | 1        |



Date of Fit: 6/8/2017 15:46:07

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000185

Re-Slope: 1.000000

A1 (Gain): 0.005457

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999875

Status: OK.

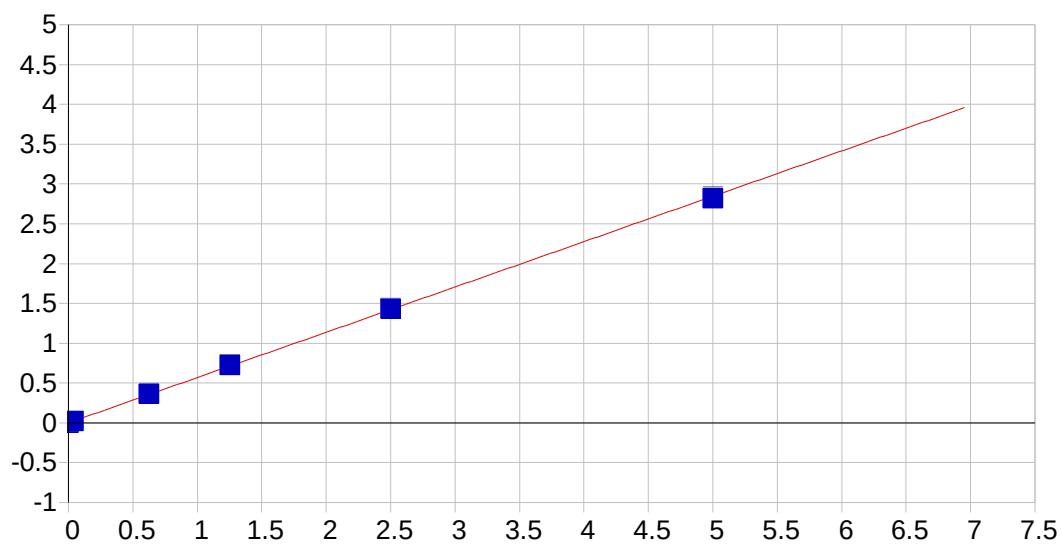
Std Error of Est: 0.000135

Predicted MDL: 0.046517

Predicted MQL: 0.155055

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00006      | .000       | .000    | -.00018 | .000    | 1        |
| S1        | 1.0000       | .98717      | -.013      | -1.28   | .00520  | .000    | 1        |
| S2        | 62.500       | 61.184      | -1.32      | -2.11   | .33368  | .001    | 1        |
| S3        | 125.00       | 123.10      | -1.90      | -1.52   | .67152  | .001    | 1        |
| S4        | 250.00       | 247.31      | -2.69      | -1.07   | 1.3494  | .003    | 1        |
| S5        | 500.00       | 492.33      | -7.67      | -1.53   | 2.6863  | .007    | 1        |
| S6        | 800.00       | 813.59      | 13.6       | 1.70    | 4.4394  | .022    | 1        |





Ni 231.604 {446}

Date of Fit: 6/8/2017 15:46:07

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000167

Re-Slope: 1.000000

A1 (Gain): 0.569051

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999908

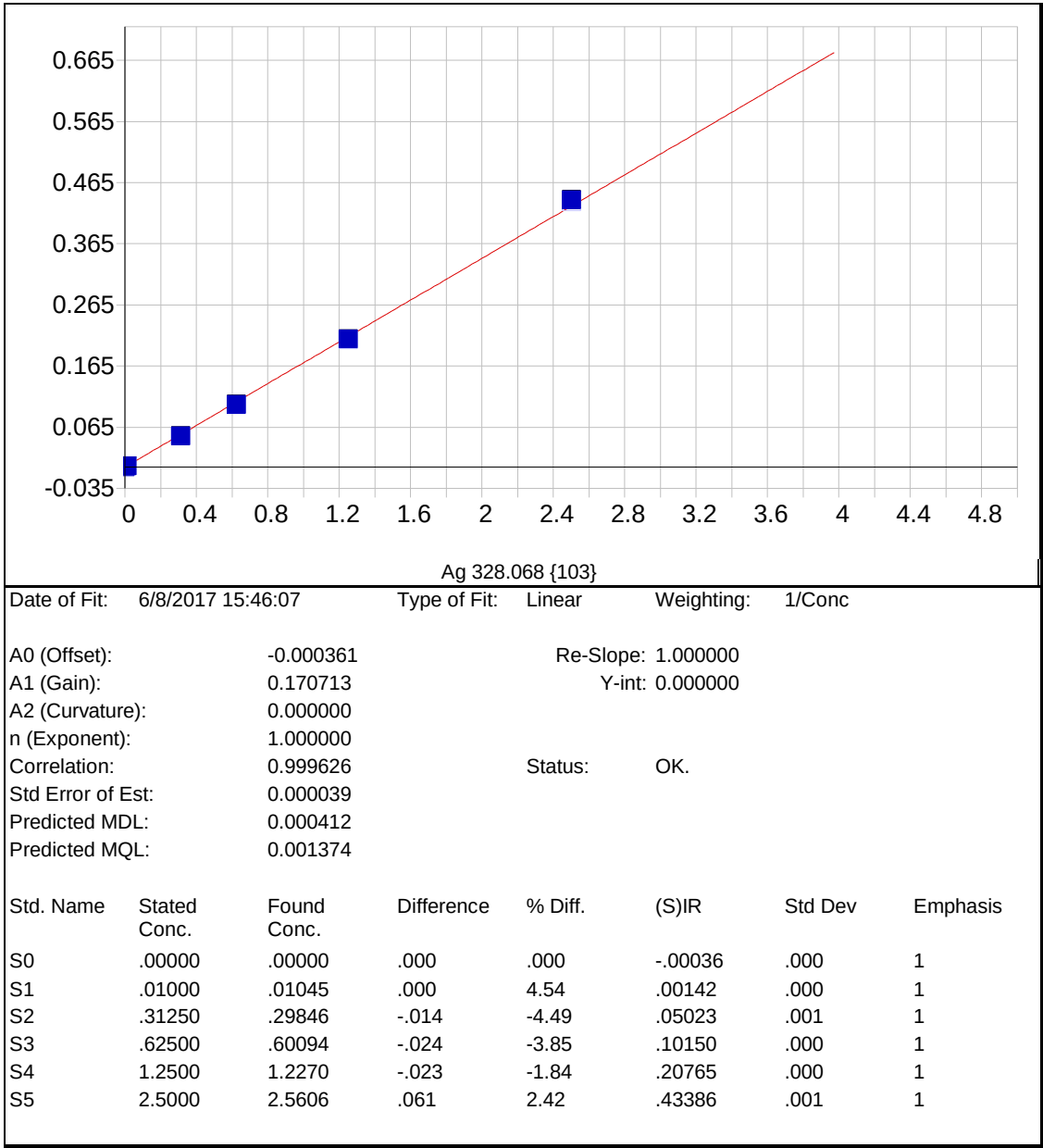
Status: OK.

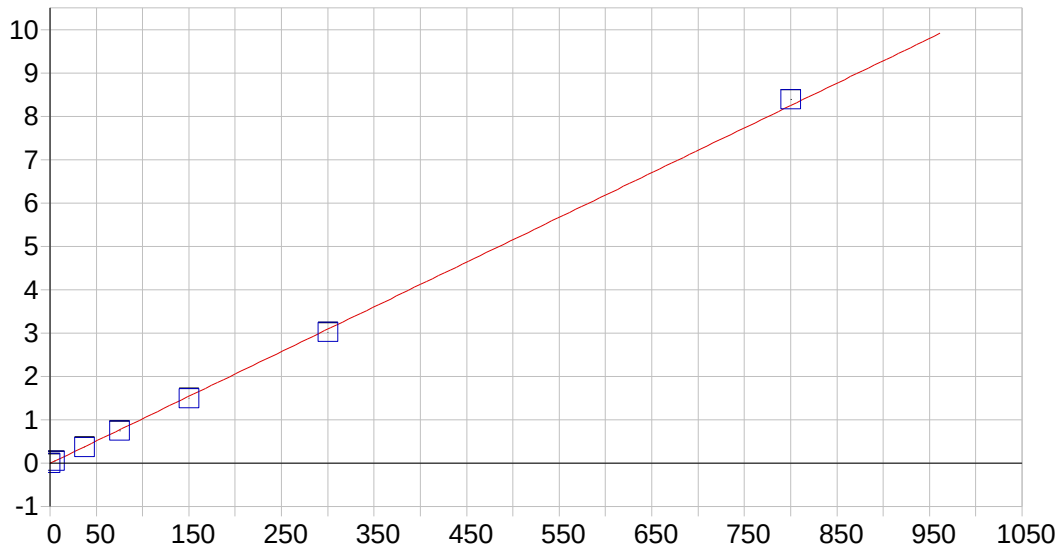
Std Error of Est: 0.000185

Predicted MDL: 0.000335

Predicted MQL: 0.001117

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00017 | .000    | 1        |
| S1        | .04000       | .03994      | .000       | -.155   | .02259  | .000    | 1        |
| S2        | .62500       | .64400      | .019       | 3.04    | .36818  | .002    | 1        |
| S3        | 1.2500       | 1.2741      | .024       | 1.93    | .72863  | .003    | 1        |
| S4        | 2.5000       | 2.5135      | .014       | .542    | 1.4377  | .001    | 1        |
| S5        | 5.0000       | 4.9434      | -.057      | -1.13   | 2.8278  | .009    | 1        |





Na 818.326 { 41}

Date of Fit: 6/8/2017 15:46:07

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.006211

Re-Slope: 1.000000

A1 (Gain): 0.010315

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999788

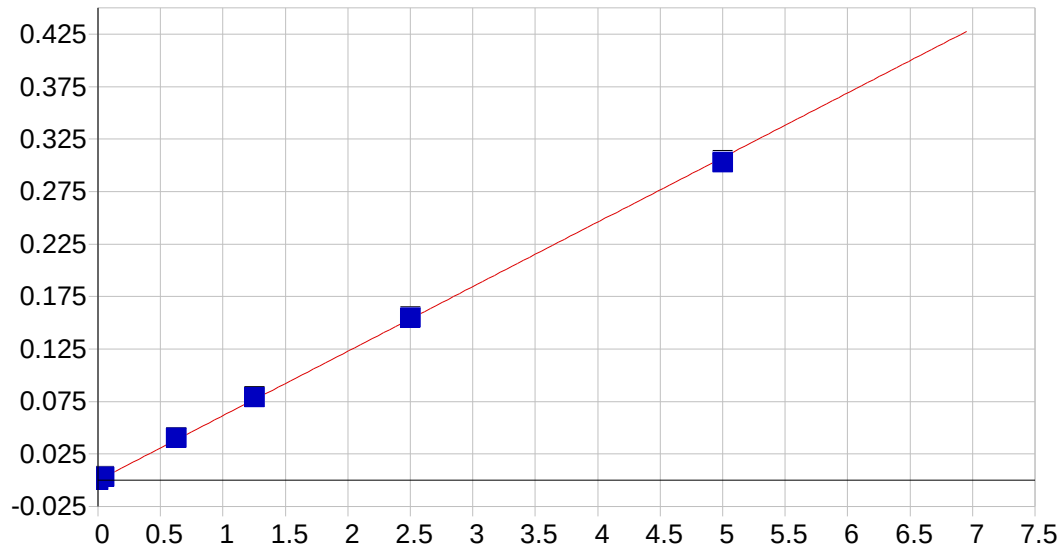
Status: OK.

Std Error of Est: 0.000657

Predicted MDL: 0.177020

Predicted MQL: 0.590066

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00036      | .000       | .000    | -.00621 | .001    | 1        |
| S1        | 5.0000       | 5.0435      | .043       | .869    | .04581  | .001    | 1        |
| S2        | 37.500       | 36.667      | -.833      | -2.22   | .37201  | .001    | 1        |
| S3        | 75.000       | 73.099      | -1.90      | -2.53   | .74782  | .002    | 1        |
| S4        | 150.00       | 145.79      | -4.21      | -2.81   | 1.4976  | .005    | 1        |
| S5        | 300.00       | 293.13      | -6.87      | -2.29   | 3.0175  | .002    | 1        |
| S6        | 800.00       | 813.77      | 13.8       | 1.72    | 8.3880  | .001    | 1        |



V 292.402 {115}

Date of Fit: 6/8/2017 15:46:07

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000044

Re-Slope: 1.000000

A1 (Gain): 0.061490

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999786

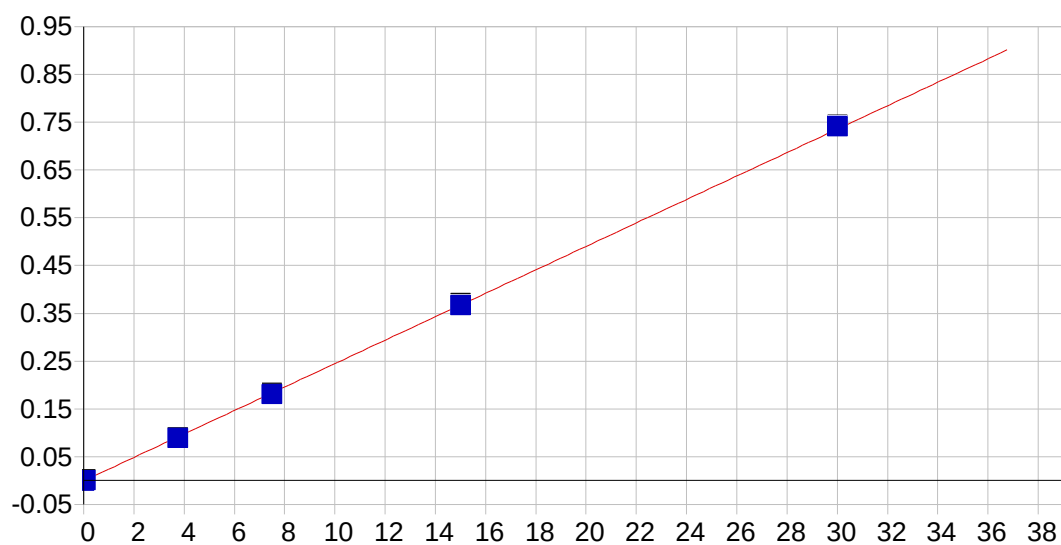
Status: OK.

Std Error of Est: 0.000034

Predicted MDL: 0.004587

Predicted MQL: 0.015290

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | .000       | .000    | -.00004 | .000    | 1        |
| S1        | .05000       | .05512      | .005       | 10.2    | .00335  | .000    | 1        |
| S2        | .62500       | .65317      | .028       | 4.51    | .04028  | .000    | 1        |
| S3        | 1.2500       | 1.2832      | .033       | 2.65    | .07918  | .000    | 1        |
| S4        | 2.5000       | 2.5144      | .014       | .576    | .15520  | .000    | 1        |
| S5        | 5.0000       | 4.9191      | -.081      | -1.62   | .30371  | .001    | 1        |



Zn 213.856 {158}

Date of Fit: 6/8/2017 15:46:07

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000515

Re-Slope: 1.000000

A1 (Gain): 0.024535

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999937

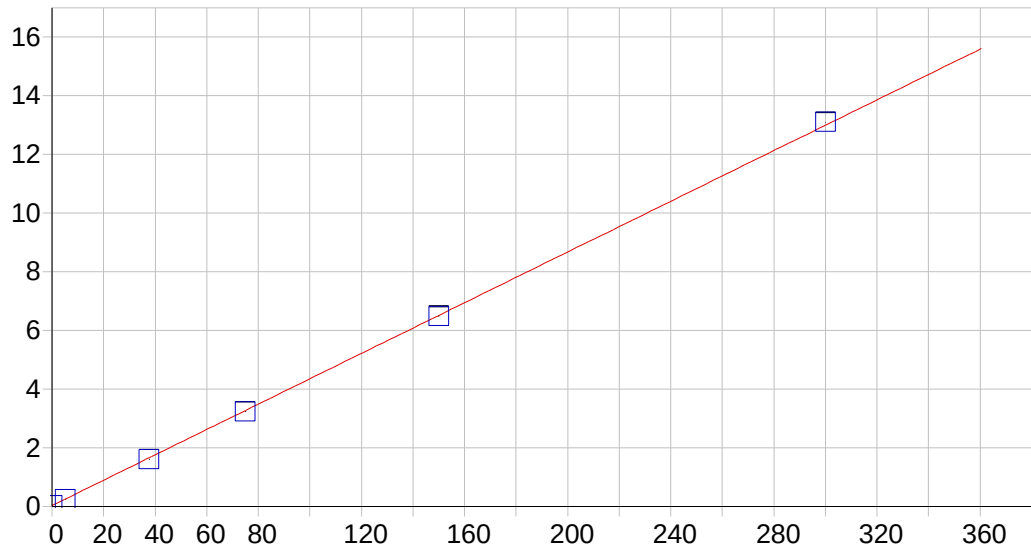
Status: OK.

Std Error of Est: 0.000020

Predicted MDL: 0.018980

Predicted MQL: 0.063267

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00051 | .001    | 1        |
| S1        | .06000       | .05955      | .000       | -.751   | .00095  | .000    | 1        |
| S2        | 3.7500       | 3.6364      | -.114      | -3.03   | .08893  | .001    | 1        |
| S3        | 7.5000       | 7.3851      | -.115      | -1.53   | .18112  | .002    | 1        |
| S4        | 15.000       | 14.987      | -.013      | -.087   | .36808  | .003    | 1        |
| S5        | 30.000       | 30.242      | .242       | .806    | .74324  | .002    | 1        |



K 769.896 { 44}

Date of Fit: 6/8/2017 15:46:07

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.031219

Re-Slope: 1.000000

A1 (Gain): 0.043226

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999942

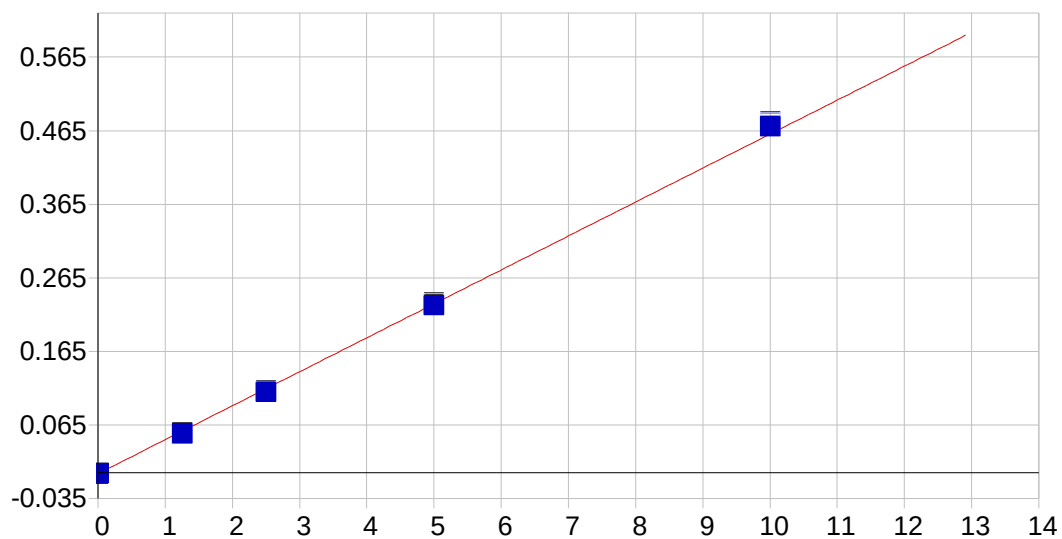
Status: OK.

Std Error of Est: 0.000961

Predicted MDL: 0.039784

Predicted MQL: 0.132612

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00038      | .000       | .000    | .03124 | .001    | 1        |
| S1        | 5.0000       | 4.7836      | -.216      | -4.33   | .23799 | .002    | 1        |
| S2        | 37.500       | 36.505      | -.995      | -2.65   | 1.6092 | .003    | 1        |
| S3        | 75.000       | 74.185      | -.815      | -1.09   | 3.2379 | .006    | 1        |
| S4        | 150.00       | 149.57      | -.429      | -.286   | 6.4966 | .018    | 1        |
| S5        | 300.00       | 302.46      | 2.46       | .819    | 13.105 | .005    | 1        |



P 177.495 {490}

Date of Fit: 6/8/2017 15:46:07

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.001225

Re-Slope: 1.000000

A1 (Gain): 0.046161

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999664

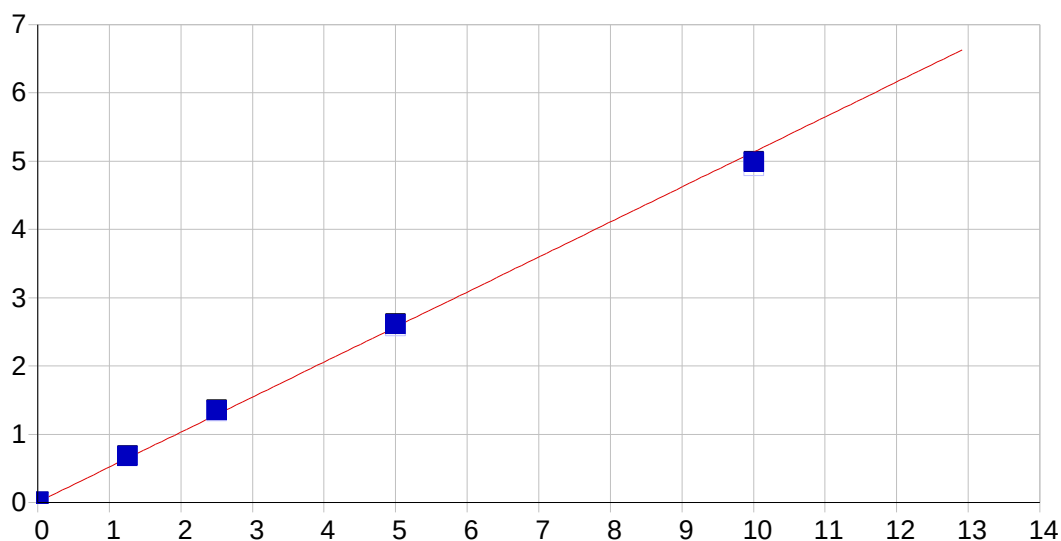
Status: OK.

Std Error of Est: 0.000020

Predicted MDL: 0.002055

Predicted MQL: 0.006848

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00123 | .000    | 1        |
| S1        | .01000       | .00950      | -.001      | -5.02   | -.00078 | .000    | 1        |
| S2        | 1.2500       | 1.1790      | -.071      | -5.68   | .05394  | .000    | 1        |
| S3        | 2.5000       | 2.4041      | -.096      | -3.84   | .11124  | .000    | 1        |
| S4        | 5.0000       | 4.9503      | -.050      | -.994   | .23027  | .001    | 1        |
| S5        | 10.000       | 10.217      | .217       | 2.17    | .47638  | .001    | 1        |



B 249.678 {135}

Date of Fit: 6/8/2017 15:46:07

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.005342

Re-Slope: 1.000000

A1 (Gain): 0.512985

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999441

Status: OK.

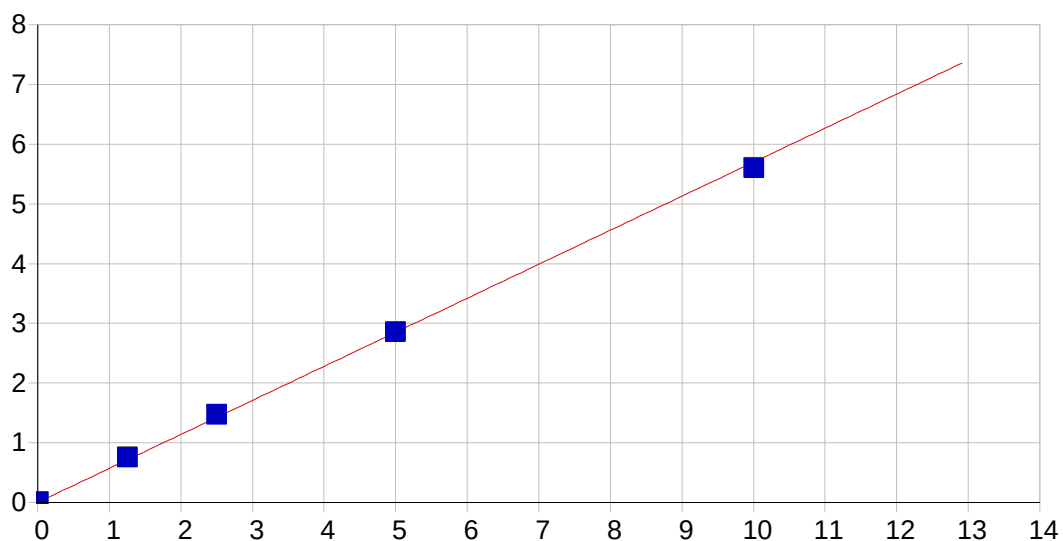
Std Error of Est: 0.000284

Predicted MDL: 0.001021

Predicted MQL: 0.003403

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00534 | .001    | 1        |
| S1        | .01000       | .00969      | .000       | -3.11   | .01033 | .000    | 1        |
| S2        | 1.2500       | 1.3251      | .075       | 6.01    | .67707 | .001    | 1        |
| S3        | 2.5000       | 2.6250      | .125       | 5.00    | 1.3359 | .005    | 1        |
| S4        | 5.0000       | 5.0866      | .087       | 1.73    | 2.5826 | .006    | 1        |
| S5        | 10.000       | 9.7136      | -.286      | -2.86   | 4.9240 | .011    | 1        |





Mo 202.030 {467}

Date of Fit: 6/8/2017 15:46:07

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000304

Re-Slope: 1.000000

A1 (Gain): 0.569775

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999719

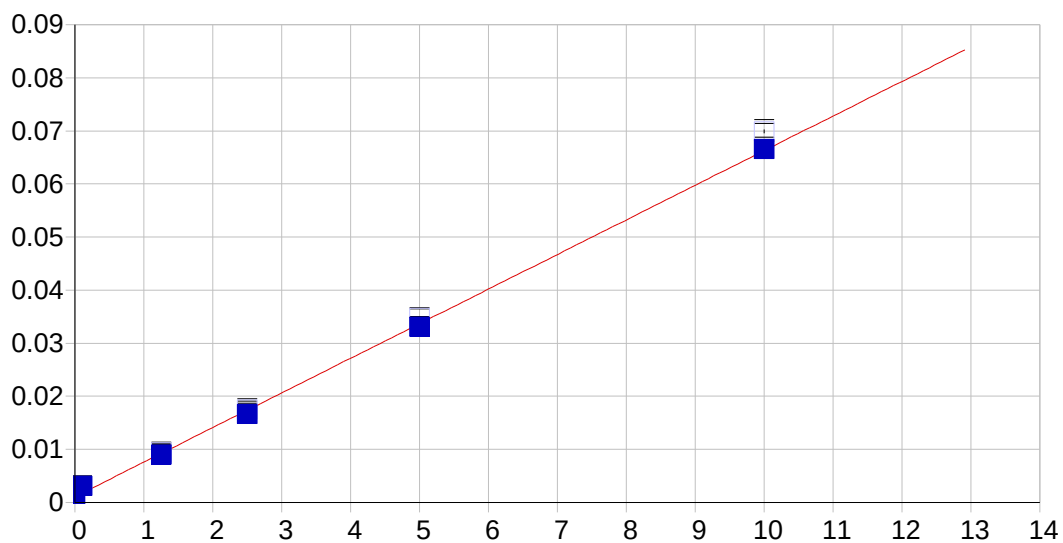
Status: OK.

Std Error of Est: 0.000227

Predicted MDL: 0.000279

Predicted MQL: 0.000931

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00030 | .000    | 1        |
| S1        | .01000       | .01122      | .001       | 12.2    | .00671 | .000    | 1        |
| S2        | 1.2500       | 1.3289      | .079       | 6.32    | .75815 | .004    | 1        |
| S3        | 2.5000       | 2.5788      | .079       | 3.15    | 1.4709 | .004    | 1        |
| S4        | 5.0000       | 5.0120      | .012       | .240    | 2.8586 | .000    | 1        |
| S5        | 10.000       | 9.8290      | -.171      | -1.71   | 5.6058 | .004    | 1        |



S 182.034 {485}

Date of Fit: 6/8/2017 15:46:07

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.001081

Re-Slope: 1.000000

A1 (Gain): 0.006519

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.989025

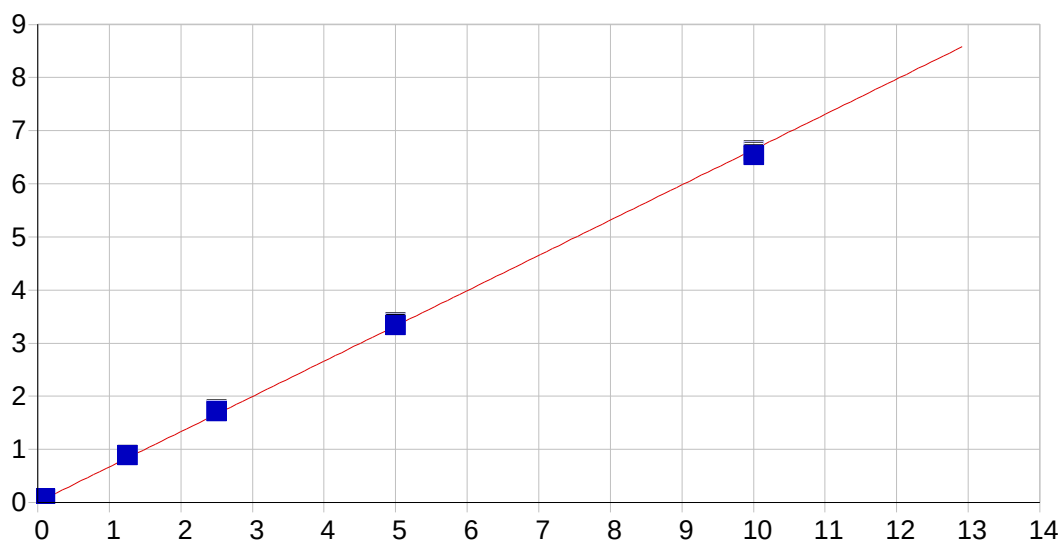
Status: OK.

Std Error of Est: 0.000054

Predicted MDL: 0.012740

Predicted MQL: 0.042466

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00020     | .000       | .000    | .00108 | .000    | 1        |
| S1        | .10000       | .31336      | .213       | 213.    | .00313 | .000    | 1        |
| S2        | 1.2500       | 1.2079      | -.042      | -3.37   | .00937 | .000    | 1        |
| S3        | 2.5000       | 2.3875      | -.113      | -4.50   | .01747 | .000    | 1        |
| S4        | 5.0000       | 4.9032      | -.097      | -1.94   | .03470 | .000    | 1        |
| S5        | 10.000       | 10.048      | .048       | .479    | .06990 | .000    | 1        |



Si 251.611 {134}

Date of Fit: 6/8/2017 15:46:07

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.005609

Re-Slope: 1.000000

A1 (Gain): 0.663740

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999759

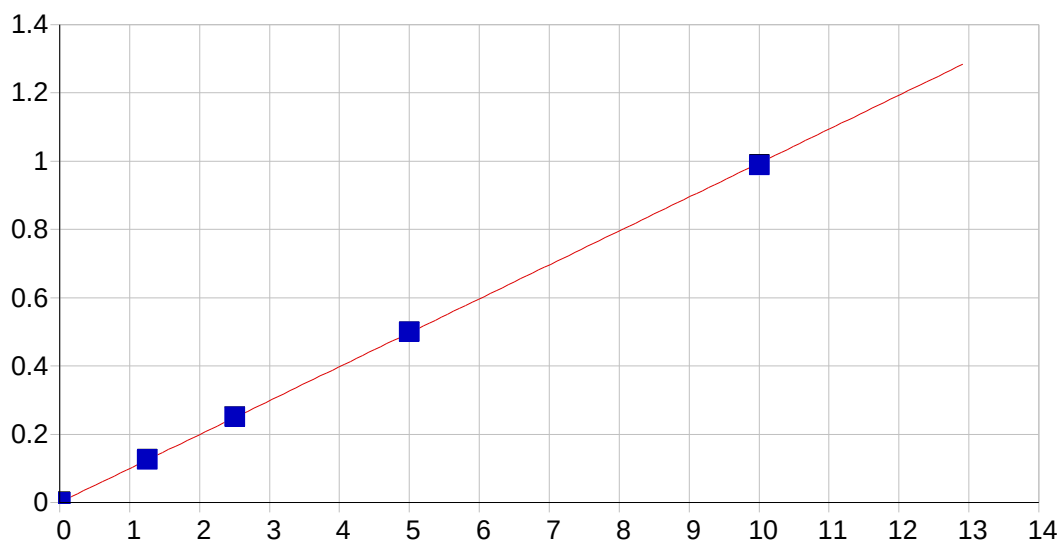
Status: OK.

Std Error of Est: 0.000783

Predicted MDL: 0.000920

Predicted MQL: 0.003068

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | .000       | .000    | .00560 | .000    | 1        |
| S1        | .10000       | .10492      | .005       | 4.92    | .07549 | .000    | 1        |
| S2        | 1.2500       | 1.3222      | .072       | 5.78    | .89299 | .000    | 1        |
| S3        | 2.5000       | 2.5717      | .072       | 2.87    | 1.7321 | .009    | 1        |
| S4        | 5.0000       | 5.0174      | .017       | .347    | 3.3749 | .017    | 1        |
| S5        | 10.000       | 9.8338      | -.166      | -1.66   | 6.6109 | .013    | 1        |



Sn 189.989 {478}

Date of Fit: 6/8/2017 15:46:07

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000138

Re-Slope: 1.000000

A1 (Gain): 0.099434

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999973

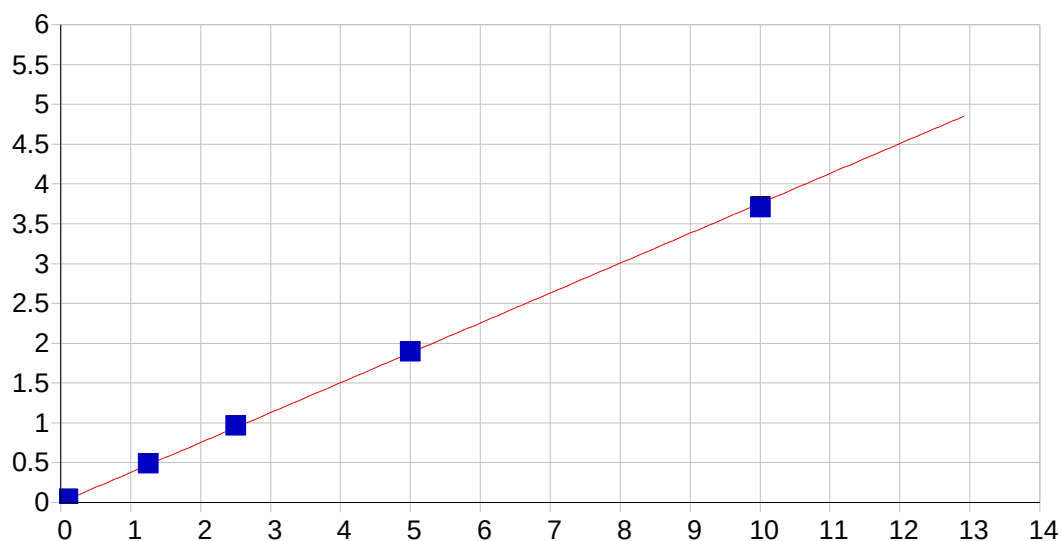
Status: OK.

Std Error of Est: 0.000010

Predicted MDL: 0.000938

Predicted MQL: 0.003128

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00014 | .000    | 1        |
| S1        | .00700       | .00614      | -.001      | -12.3   | .00074 | .000    | 1        |
| S2        | 1.2500       | 1.2631      | .013       | 1.05    | .12563 | .001    | 1        |
| S3        | 2.5000       | 2.5271      | .027       | 1.08    | .25122 | .000    | 1        |
| S4        | 5.0000       | 5.0223      | .022       | .446    | .49913 | .000    | 1        |
| S5        | 10.000       | 9.9384      | -.062      | -.616   | .98758 | .002    | 1        |



Ti 336.121 {100}

Date of Fit: 6/8/2017 15:46:07

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.001593

Re-Slope: 1.000000

A1 (Gain): 0.375505

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999858

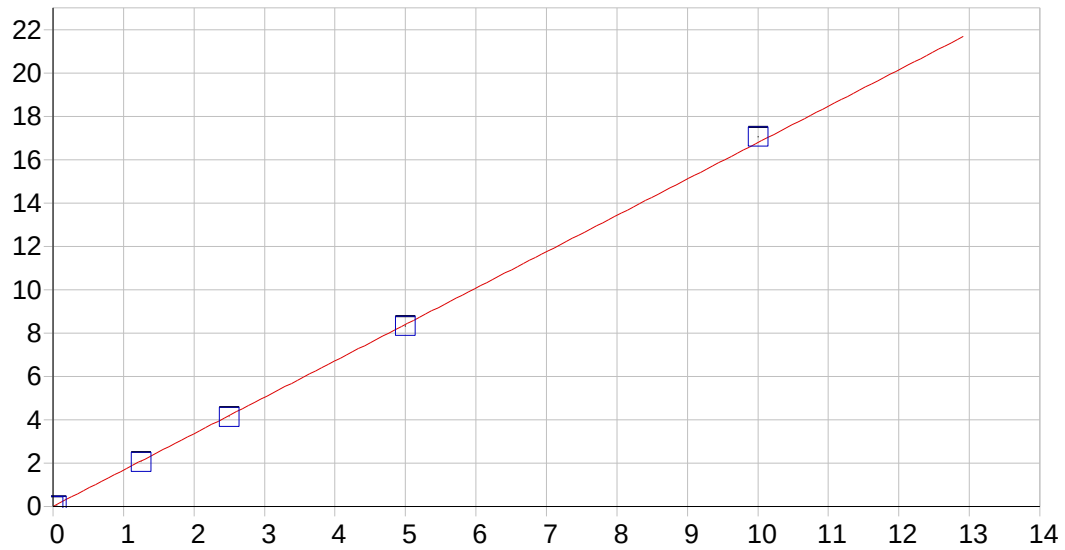
Status: OK.

Std Error of Est: 0.000336

Predicted MDL: 0.001243

Predicted MQL: 0.004144

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | .000       | .000    | .00159 | .000    | 1        |
| S1        | .10000       | .10613      | .006       | 6.13    | .04144 | .001    | 1        |
| S2        | 1.2500       | 1.2907      | .041       | 3.25    | .48608 | .000    | 1        |
| S3        | 2.5000       | 2.5597      | .060       | 2.39    | .96246 | .003    | 1        |
| S4        | 5.0000       | 5.0341      | .034       | .683    | 1.8913 | .003    | 1        |
| S5        | 10.000       | 9.8593      | -.141      | -1.41   | 3.7025 | .008    | 1        |



Li 670.784 { 50}

Date of Fit: 6/8/2017 15:46:07

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.006843

Re-Slope: 1.000000

A1 (Gain): 1.677752

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.998831

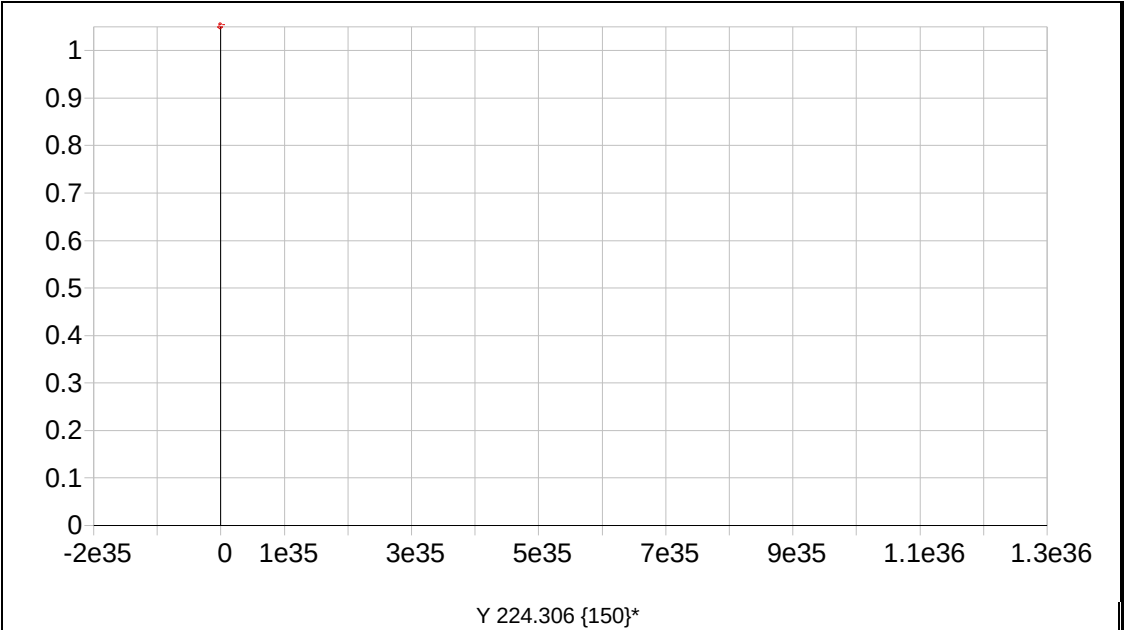
Status: OK.

Std Error of Est: 0.003047

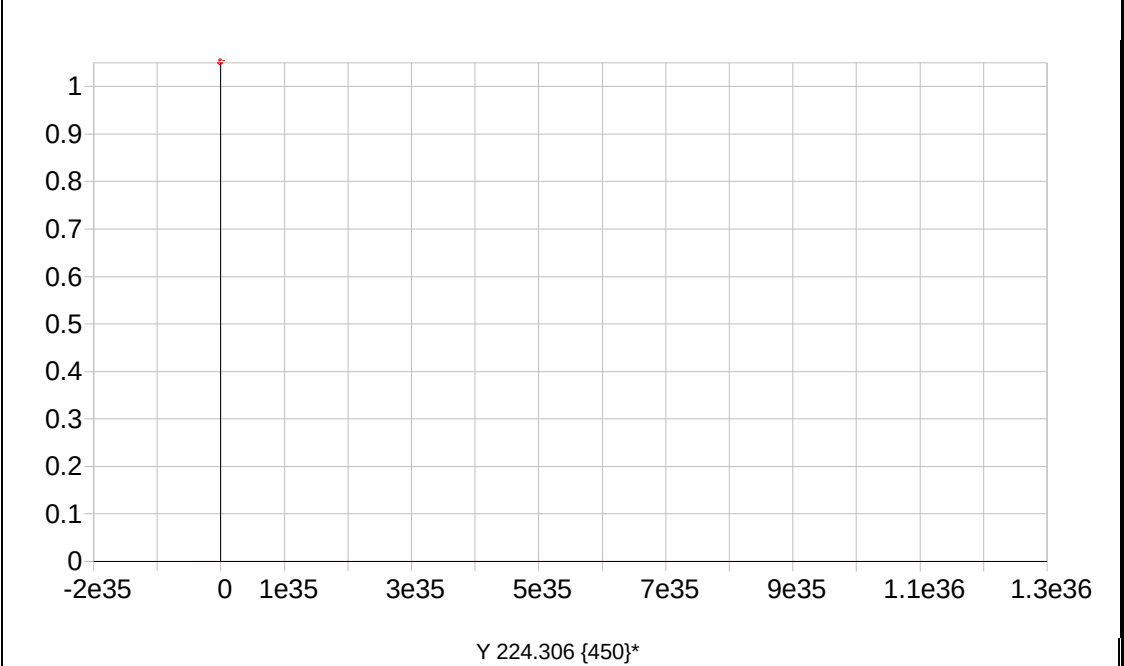
Predicted MDL: 0.000988

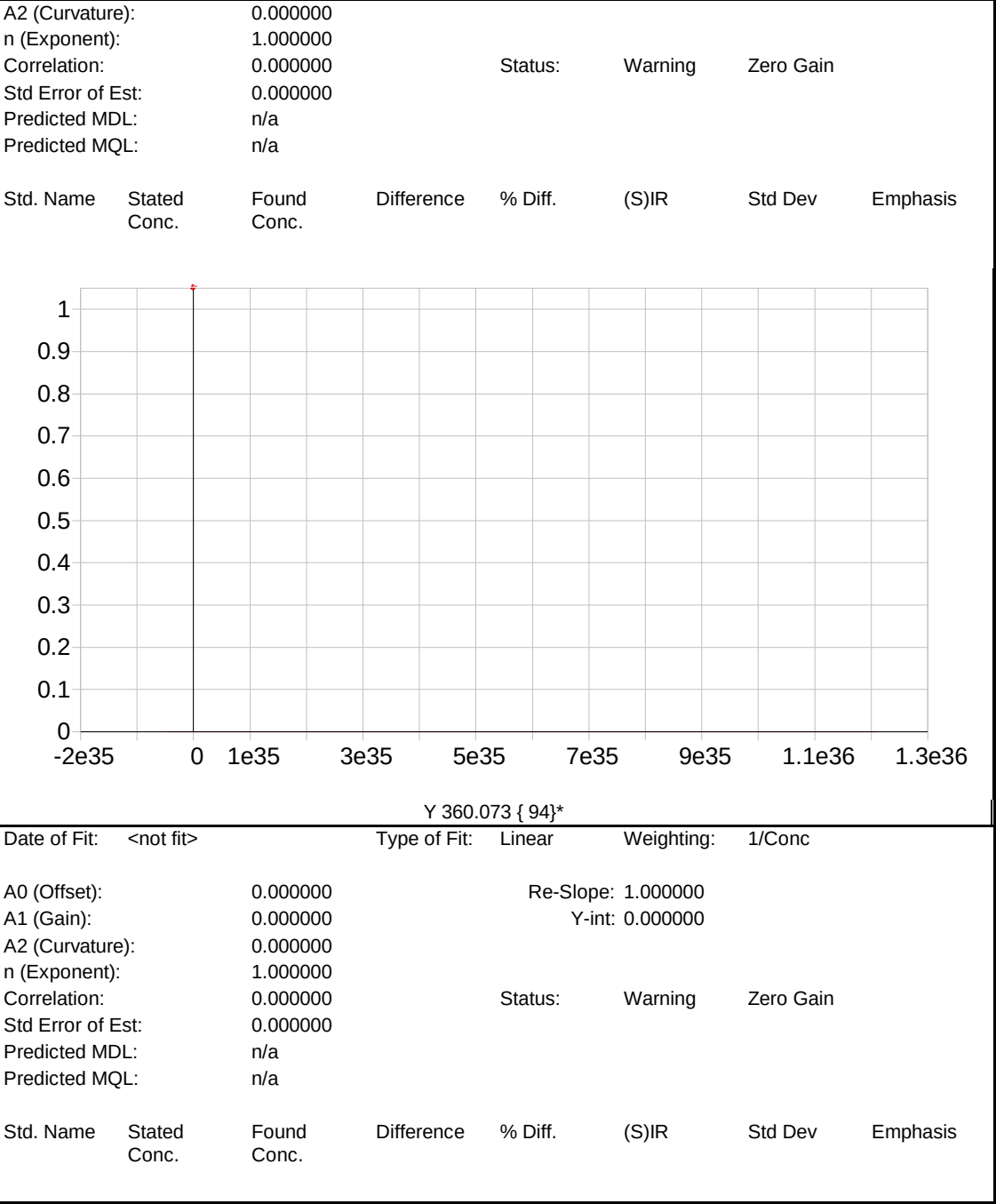
Predicted MQL: 0.003293

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00005      | .000       | .000    | .00692 | .000    | 1        |
| S5        | 10.000       | 10.156      | .156       | 1.56    | 17.047 | .030    | 1        |
| S4        | 5.0000       | 4.9607      | -.039      | -.786   | 8.3297 | .029    | 1        |
| S3        | 2.5000       | 2.4566      | -.043      | -1.74   | 4.1283 | .010    | 1        |
| S2        | 1.2500       | 1.2209      | -.029      | -2.33   | 2.0552 | .013    | 1        |
| S1        | .05000       | .00540      | -.045      | -89.2   | .01590 | .001    | 1        |

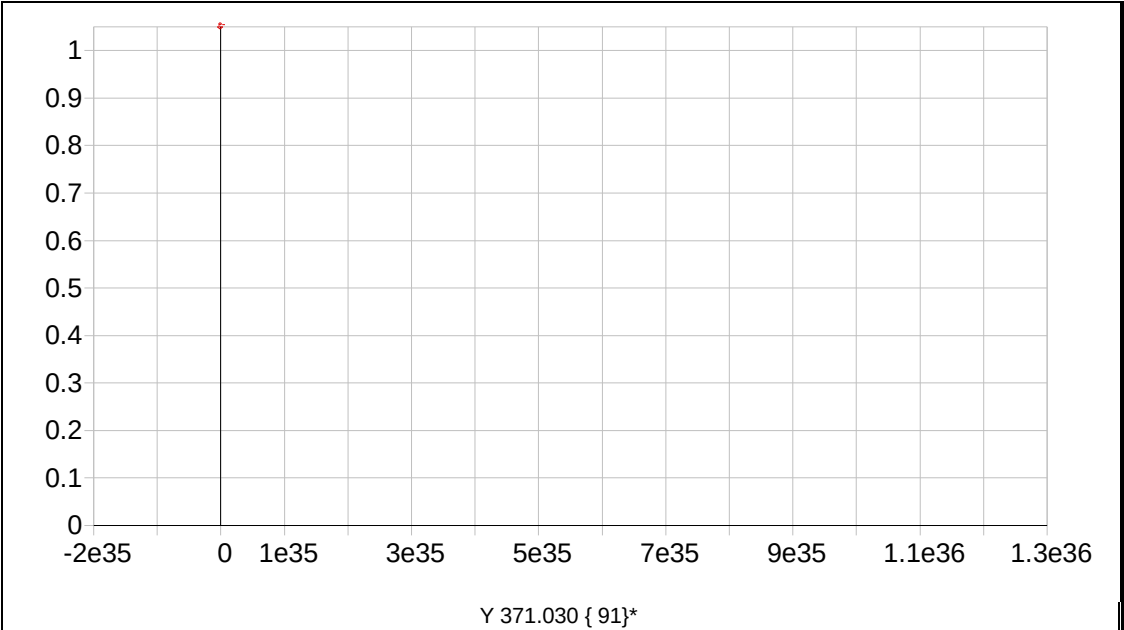


| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|-------|---------|----------|
|-----------|--------------|-------------|------------|---------|-------|---------|----------|



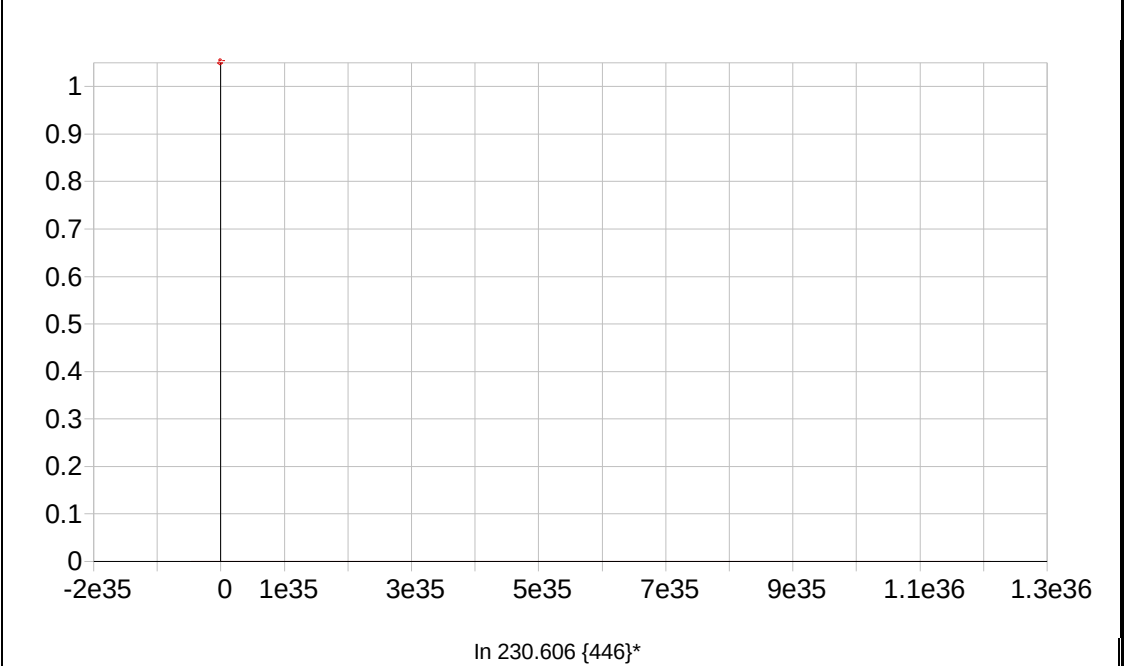




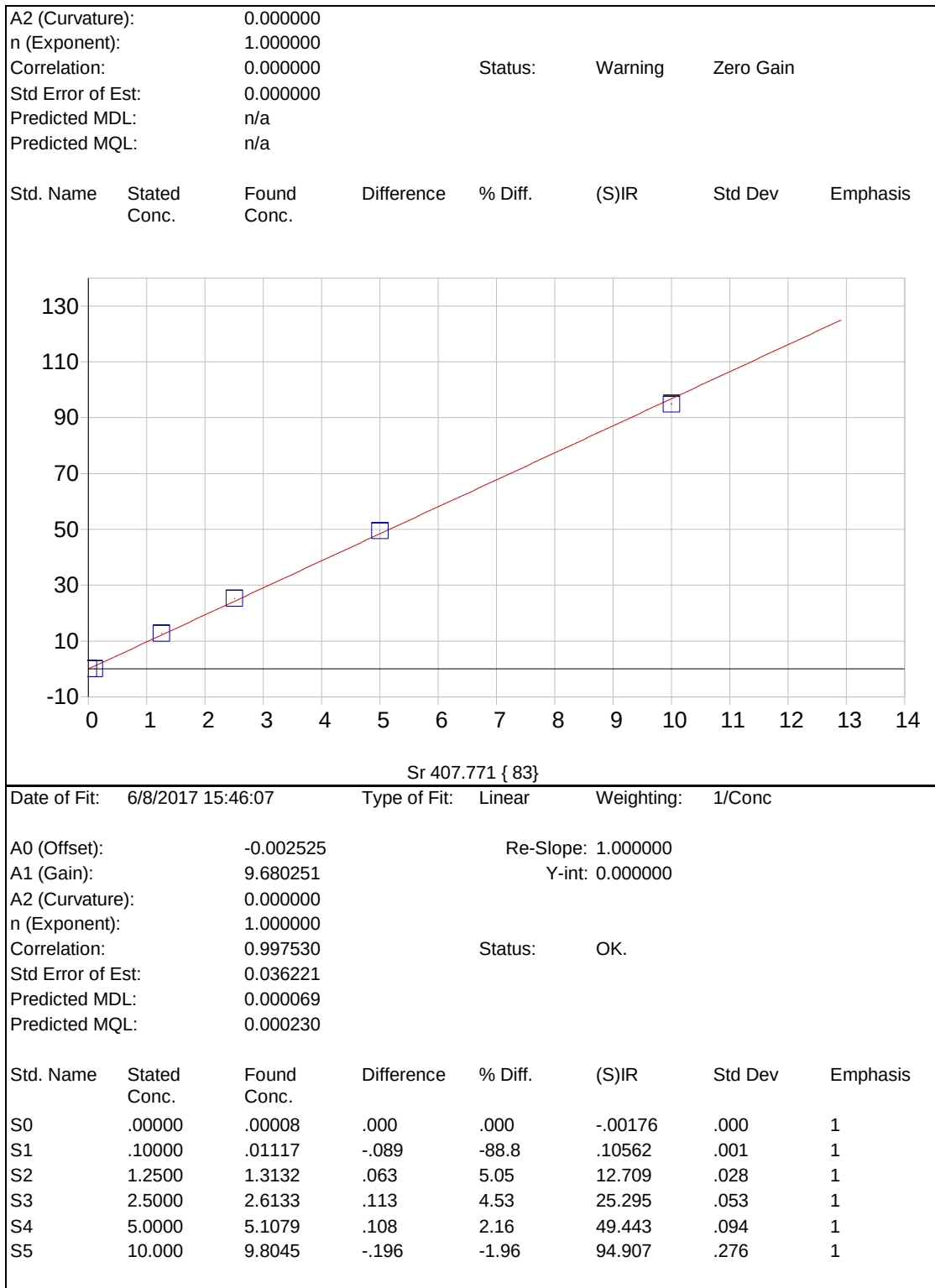


|                   |          |                           |
|-------------------|----------|---------------------------|
| A0 (Offset):      | 0.000000 | Re-Slope: 1.000000        |
| A1 (Gain):        | 0.000000 | Y-int: 0.000000           |
| A2 (Curvature):   | 0.000000 |                           |
| 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 |
|-----------|--------------|-------------|------------|---------|-------|---------|----------|
|-----------|--------------|-------------|------------|---------|-------|---------|----------|



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



Sample Name: S0      Acquired: 6/8/2017 15:13:57      Type: Cal  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: IR      Corr. Factor: 1.000000  
 User: JASWAL      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    | -.00021 | -.00015 | .00004 | .00019 | -.00029 | .00075 | -.01208 | -.00247 |
| Stddev | .00007  | .00010  | .00005 | .00013 | .00010  | .00043 | .00062  | .00016  |
| %RSD   | 33.905  | 64.869  | 123.59 | 69.475 | 34.663  | 57.678 | 5.1382  | 6.4148  |

|    |         |         |         |        |         |        |         |         |
|----|---------|---------|---------|--------|---------|--------|---------|---------|
| #1 | -.00024 | -.00025 | .00008  | .00004 | -.00018 | .00125 | -.01264 | -.00233 |
| #2 | -.00025 | -.00016 | -.00002 | .00024 | -.00034 | .00052 | -.01220 | -.00243 |
| #3 | -.00013 | -.00005 | .00005  | .00028 | -.00036 | .00048 | -.01141 | -.00264 |

|        |        |        |        |         |        |         |         |         |
|--------|--------|--------|--------|---------|--------|---------|---------|---------|
| 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    | .00006 | .00212 | .00001 | -.00019 | .00101 | -.00003 | -.00016 | -.00018 |
| Stddev | .00014 | .00018 | .00001 | .00004  | .00048 | .00009  | .00007  | .00008  |
| %RSD   | 251.33 | 8.3468 | 261.64 | 18.366  | 46.995 | 317.76  | 43.873  | 40.988  |

|    |         |        |         |         |        |         |         |         |
|----|---------|--------|---------|---------|--------|---------|---------|---------|
| #1 | .00013  | .00232 | .00001  | -.00020 | .00050 | -.00009 | -.00024 | -.00026 |
| #2 | .00014  | .00200 | .00002  | -.00022 | .00111 | .00007  | -.00012 | -.00019 |
| #3 | -.00011 | .00202 | -.00001 | -.00015 | .00143 | -.00007 | -.00012 | -.00011 |

|        |         |         |         |         |         |        |         |        |
|--------|---------|---------|---------|---------|---------|--------|---------|--------|
| 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    | -.00017 | -.00036 | -.00621 | -.00004 | -.00051 | .03124 | -.00123 | .00534 |
| Stddev | .00008  | .00002  | .00095  | .00016  | .00059  | .00074 | .00002  | .00064 |
| %RSD   | 49.883  | 6.8510  | 15.273  | 366.49  | 114.61  | 2.3562 | 1.9618  | 12.070 |

|    |         |         |         |         |         |        |         |        |
|----|---------|---------|---------|---------|---------|--------|---------|--------|
| #1 | -.00022 | -.00033 | -.00576 | -.00023 | -.00098 | .03208 | -.00125 | .00603 |
| #2 | -.00021 | -.00037 | -.00730 | .00002  | .00015  | .03083 | -.00122 | .00474 |
| #3 | -.00007 | -.00038 | -.00556 | .00008  | -.00071 | .03079 | -.00120 | .00526 |

|        |        |        |        |        |        |        |         |  |
|--------|--------|--------|--------|--------|--------|--------|---------|--|
| 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    | .00030 | .00108 | .00560 | .00014 | .00159 | .00692 | -.00176 |  |
| Stddev | .00005 | .00013 | .00025 | .00005 | .00018 | .00028 | .00045  |  |
| %RSD   | 15.784 | 11.944 | 4.5443 | 34.386 | 11.227 | 4.0065 | 25.791  |  |

|    |        |        |        |        |        |        |         |  |
|----|--------|--------|--------|--------|--------|--------|---------|--|
| #1 | .00034 | .00094 | .00569 | .00009 | .00166 | .00724 | -.00226 |  |
| #2 | .00025 | .00119 | .00531 | .00014 | .00172 | .00672 | -.00164 |  |
| #3 | .00033 | .00111 | .00580 | .00019 | .00139 | .00681 | -.00138 |  |

Sample Name: S0      Acquired: 6/8/2017 15:13:57      Type: Cal  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: IR      Corr. Factor: 1.000000  
 User: JASWAL      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       | 1859.5 | 2863.8 | 59625. | 4154.0 | 4055.6 |
| Stddev    | 4.7    | 9.5    | 66.    | 21.1   | 16.4   |
| %RSD      | .25245 | .33129 | .11098 | .50764 | .40535 |
| #1        | 1859.6 | 2853.9 | 59551. | 4129.7 | 4036.9 |
| #2        | 1854.7 | 2864.5 | 59644. | 4166.6 | 4062.1 |
| #3        | 1864.1 | 2872.9 | 59680. | 4165.8 | 4067.7 |

Sample Name: S1      Acquired: 6/8/2017 15:18:08      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: IR      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: S01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .00029 | .00186 | .00175 | .00174 | .01003 | .01717 | .97745 | .04095 |
| Stddev | .00011 | .00013 | .00018 | .00001 | .00021 | .00030 | .00605 | .00029 |
| %RSD   | 36.107 | 6.7880 | 10.052 | .43262 | 2.0917 | 1.7481 | .61866 | .70180 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00017 | .00175 | .00180 | .00175 | .00999 | .01751 | .98017 | .04128 |
| #2 | .00036 | .00184 | .00190 | .00174 | .01025 | .01703 | .97052 | .04081 |
| #3 | .00035 | .00200 | .00156 | .00173 | .00983 | .01696 | .98166 | .04076 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .00814 | .04926 | .00128 | .02934 | .00625 | .00162 | .00489 | .00520 |
| Stddev | .00019 | .00132 | .00004 | .00018 | .00012 | .00004 | .00029 | .00015 |
| %RSD   | 2.2988 | 2.6790 | 2.7654 | .62347 | 1.9013 | 2.5890 | 5.9220 | 2.8743 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00822 | .04793 | .00124 | .02949 | .00638 | .00159 | .00460 | .00516 |
| #2 | .00828 | .04926 | .00131 | .02938 | .00623 | .00167 | .00518 | .00508 |
| #3 | .00793 | .05057 | .00128 | .02914 | .00614 | .00159 | .00490 | .00537 |

|        |        |        |        |         |        |         |         |         |
|--------|--------|--------|--------|---------|--------|---------|---------|---------|
| 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    | .02259 | .00142 | .04581 | .00335  | .00095 | .23799  | -.00078 | .01033  |
| Stddev | .00013 | .00006 | .00067 | .00014  | .00038 | .00155  | .00007  | .00010  |
| %RSD   | .59340 | 4.2186 | 1.4670 | 4.0273  | 40.097 | .65324  | 9.3599  | .96022  |

|    |        |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|--------|---------|--------|
| #1 | .02274 | .00145 | .04639 | .00323 | .00071 | .23934 | -.00086 | .01028 |
| #2 | .02255 | .00135 | .04508 | .00333 | .00076 | .23629 | -.00076 | .01044 |
| #3 | .02248 | .00146 | .04597 | .00350 | .00139 | .23835 | -.00072 | .01026 |

|        |        |         |        |        |        |        |        |  |
|--------|--------|---------|--------|--------|--------|--------|--------|--|
| 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    | .00671 | .00313  | .07549 | .00074 | .04144 | .01590 | .10562 |  |
| Stddev | .00002 | .00010  | .00049 | .00007 | .00056 | .00080 | .00083 |  |
| %RSD   | .34055 | 3.3142  | .64425 | 9.6338 | 1.3477 | 5.0026 | .79007 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | .00669 | .00307 | .07560 | .00074 | .04202 | .01559 | .10571 |  |
| #2 | .00673 | .00307 | .07496 | .00081 | .04091 | .01530 | .10641 |  |
| #3 | .00670 | .00325 | .07591 | .00067 | .04138 | .01680 | .10475 |  |

Sample Name: S1      Acquired: 6/8/2017 15:18:08      Type: Cal  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: IR      Corr. Factor: 1.000000  
 User: JASWAL      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       | 1874.9 | 2849.3 | 59834. | 4163.4 | 3977.7 |
| Stddev    | 7.8    | 9.8    | 51.    | 14.6   | 12.0   |
| %RSD      | .41343 | .34567 | .08572 | .35018 | .30104 |
| #1        | 1873.1 | 2845.5 | 59829. | 4147.3 | 3969.1 |
| #2        | 1883.4 | 2842.0 | 59888. | 4175.7 | 3972.7 |
| #3        | 1868.2 | 2860.5 | 59786. | 4167.2 | 3991.4 |

Sample Name: S2      Acquired: 6/8/2017 15:22:19      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: IR      Corr. Factor: 1.000000  
User: JASWAL      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    | .05192 | .10165 | 1.0596 | .05839 | .20983 | 3.1301 | 12.077 | .93794 |
| Stddev | .00033 | .00042 | .0056  | .00037 | .00150 | .0043  | .038   | .00196 |
| %RSD   | .64026 | .40835 | .52874 | .63695 | .71378 | .13821 | .31773 | .20864 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .05230 | .10207 | 1.0659 | .05882 | .21155 | 3.1253 | 12.080 | .93711 |
| #2 | .05177 | .10124 | 1.0550 | .05815 | .20886 | 3.1338 | 12.114 | .94018 |
| #3 | .05170 | .10163 | 1.0580 | .05821 | .20907 | 3.1310 | 12.038 | .93653 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .98002 | 2.8199 | .44928 | .38211 | .69004 | .51960 | 1.0664 | .33368 |
| Stddev | .00348 | .0088  | .00355 | .00190 | .00171 | .00127 | .0023  | .00127 |
| %RSD   | .35524 | .31307 | .78913 | .49601 | .24778 | .24520 | .21978 | .38006 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .98404 | 2.8133 | .44814 | .38430 | .69099 | .51951 | 1.0645 | .33396 |
| #2 | .97799 | 2.8165 | .44644 | .38108 | .69107 | .51837 | 1.0657 | .33230 |
| #3 | .97804 | 2.8299 | .45326 | .38096 | .68807 | .52092 | 1.0690 | .33479 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .36818 | .05023 | .37201 | .04028 | .08893 | 1.6092 | .05394 | .67707 |
| Stddev | .00184 | .00054 | .00135 | .00042 | .00090 | .0031  | .00050 | .00074 |
| %RSD   | .49855 | 1.0660 | .36294 | 1.0478 | 1.0131 | .19544 | .92165 | .10873 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .37027 | .04993 | .37351 | .03981 | .08898 | 1.6086 | .05450 | .67756 |
| #2 | .36683 | .04990 | .37163 | .04039 | .08800 | 1.6064 | .05353 | .67743 |
| #3 | .36743 | .05084 | .37089 | .04063 | .08980 | 1.6126 | .05380 | .67622 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| 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    | .75815 | .00937 | .89299 | .12563 | .48608 | 2.0552 | 12.709 |  |
| Stddev | .00434 | .00015 | .00028 | .00051 | .00042 | .0133  | .028   |  |
| %RSD   | .57196 | 1.5780 | .03185 | .40904 | .08552 | .64488 | .21936 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | .76311 | .00952 | .89291 | .12617 | .48656 | 2.0603 | 12.698 |  |
| #2 | .75511 | .00923 | .89275 | .12559 | .48583 | 2.0651 | 12.741 |  |
| #3 | .75622 | .00936 | .89330 | .12514 | .48586 | 2.0401 | 12.689 |  |

Sample Name: S2      Acquired: 6/8/2017 15:22:19      Type: Cal  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: IR      Corr. Factor: 1.000000  
 User: JASWAL      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       | 1749.6 | 2629.7 | 56638. | 4128.4 | 3333.0 |
| Stddev    | 8.9    | 17.1   | 381.   | 8.3    | 19.6   |
| %RSD      | .50949 | .65088 | .67342 | .20115 | .58688 |
| #1        | 1753.9 | 2609.9 | 56729. | 4127.1 | 3310.6 |
| #2        | 1755.5 | 2639.9 | 56966. | 4137.2 | 3347.0 |
| #3        | 1739.3 | 2639.3 | 56220. | 4120.8 | 3341.2 |



Sample Name: S3      Acquired: 6/8/2017 15:26:14      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: IR      Corr. Factor: 1.000000  
User: JASWAL      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    | .10267 | .19676 | 2.0879 | .11353 | .41382 | 6.2924 | 24.127 | 1.8596 |
| Stddev | .00058 | .00057 | .0009  | .00039 | .00085 | .0041  | .059   | .0049  |
| %RSD   | .56385 | .29090 | .04346 | .34739 | .20586 | .06575 | .24662 | .26226 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .10319 | .19719 | 2.0889 | .11367 | .41357 | 6.2957 | 24.137 | 1.8581 |
| #2 | .10204 | .19611 | 2.0872 | .11308 | .41312 | 6.2878 | 24.063 | 1.8556 |
| #3 | .10278 | .19697 | 2.0877 | .11383 | .41477 | 6.2938 | 24.180 | 1.8650 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 1.9480 | 5.5713 | .87249 | .75996 | 1.3793 | 1.0206 | 2.0860 | .67152 |
| Stddev | .0075  | .0232  | .00248 | .00194 | .0023  | .0013  | .0111  | .00145 |
| %RSD   | .38488 | .41576 | .28468 | .25511 | .16991 | .12427 | .53323 | .21567 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.9424 | 5.5503 | .87450 | .75906 | 1.3820 | 1.0192 | 2.0735 | .66986 |
| #2 | 1.9451 | 5.5674 | .86971 | .75864 | 1.3779 | 1.0209 | 2.0898 | .67246 |
| #3 | 1.9565 | 5.5961 | .87326 | .76219 | 1.3780 | 1.0217 | 2.0947 | .67225 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .72863 | .10150 | .74782 | .07918 | .18112 | 3.2379 | .11124 | 1.3359 |
| Stddev | .00266 | .00017 | .00191 | .00049 | .00199 | .0060  | .00031 | .0045  |
| %RSD   | .36540 | .16576 | .25499 | .61930 | 1.0991 | .18483 | .27887 | .33694 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .72740 | .10163 | .74988 | .07862 | .18186 | 3.2338 | .11160 | 1.3309 |
| #2 | .72679 | .10131 | .74611 | .07937 | .17887 | 3.2448 | .11109 | 1.3368 |
| #3 | .73168 | .10156 | .74748 | .07954 | .18264 | 3.2352 | .11104 | 1.3398 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| 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    | 1.4709 | .01747 | 1.7321 | .25122 | .96246 | 4.1283 | 25.295 |  |
| Stddev | .0040  | .00017 | .0088  | .00050 | .00336 | .0099  | .053   |  |
| %RSD   | .27330 | .99279 | .50751 | .19802 | .34897 | .24023 | .20892 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | 1.4700 | .01740 | 1.7283 | .25065 | .96280 | 4.1332 | 25.355 |  |
| #2 | 1.4674 | .01735 | 1.7258 | .25140 | .95895 | 4.1169 | 25.274 |  |
| #3 | 1.4753 | .01767 | 1.7421 | .25160 | .96564 | 4.1349 | 25.256 |  |

Sample Name: S3      Acquired: 6/8/2017 15:26:14      Type: Cal  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: IR      Corr. Factor: 1.000000  
 User: JASWAL      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       | 1680.9 | 2572.9 | 54993. | 4057.6 | 3139.3 |
| Stddev    | 9.0    | 8.2    | 161.   | 3.5    | 7.1    |
| %RSD      | .53406 | .31691 | .29358 | .08640 | .22568 |
| #1        | 1673.9 | 2564.3 | 54811. | 4057.2 | 3131.7 |
| #2        | 1691.0 | 2580.5 | 55119. | 4054.3 | 3145.8 |
| #3        | 1677.7 | 2574.0 | 55048. | 4061.3 | 3140.3 |

Sample Name: S4      Acquired: 6/8/2017 15:30:06      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: IR      Corr. Factor: 1.000000  
User: JASWAL      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    | .20658 | .37651 | 4.1421 | .22417 | .82909 | 12.591 | 47.506 | 3.6678 |
| Stddev | .00038 | .00052 | .0081  | .00036 | .00103 | .029   | .105   | .0148  |
| %RSD   | .18239 | .13679 | .19452 | .16032 | .12426 | .22687 | .22003 | .40260 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .20687 | .37690 | 4.1469 | .22419 | .83003 | 12.612 | 47.588 | 3.6831 |
| #2 | .20671 | .37593 | 4.1328 | .22452 | .82926 | 12.559 | 47.388 | 3.6666 |
| #3 | .20615 | .37670 | 4.1465 | .22381 | .82799 | 12.603 | 47.542 | 3.6537 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 3.8528 | 10.980 | 1.6843 | 1.5119 | 2.7197 | 1.9737 | 4.0383 | 1.3494 |
| Stddev | .0069  | .034   | .0028  | .0016  | .0055  | .0074  | .0123  | .0026  |
| %RSD   | .17861 | .30634 | .16852 | .10354 | .20204 | .37348 | .30505 | .19313 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.8608 | 11.000 | 1.6875 | 1.5136 | 2.7199 | 1.9780 | 4.0523 | 1.3508 |
| #2 | 3.8493 | 11.000 | 1.6822 | 1.5106 | 2.7140 | 1.9779 | 4.0331 | 1.3509 |
| #3 | 3.8485 | 10.941 | 1.6832 | 1.5115 | 2.7250 | 1.9652 | 4.0293 | 1.3463 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 1.4377 | .20765 | 1.4976 | .15520 | .36808 | 6.4966 | .23027 | 2.5826 |
| Stddev | .0007  | .00032 | .0048  | .00048 | .00311 | .0175  | .00082 | .0055  |
| %RSD   | .05134 | .15429 | .31817 | .30988 | .84486 | .26944 | .35445 | .21460 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.4375 | .20774 | 1.5016 | .15517 | .36484 | 6.5124 | .22990 | 2.5887 |
| #2 | 1.4370 | .20792 | 1.4923 | .15474 | .37104 | 6.4778 | .23121 | 2.5809 |
| #3 | 1.4385 | .20730 | 1.4989 | .15570 | .36836 | 6.4995 | .22971 | 2.5780 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| Elem   | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 | Sr4077 |  |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |  |
| Avg    | 2.8586 | .03470 | 3.3749 | .49913 | 1.8913 | 8.3297 | 49.443 |  |
| Stddev | .0004  | .00008 | .0168  | .00025 | .0027  | .0292  | .094   |  |
| %RSD   | .01295 | .23574 | .49639 | .05066 | .14284 | .35054 | .18942 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | 2.8590 | .03461 | 3.3918 | .49926 | 1.8916 | 8.3623 | 49.522 |  |
| #2 | 2.8583 | .03474 | 3.3747 | .49929 | 1.8885 | 8.3061 | 49.340 |  |
| #3 | 2.8585 | .03476 | 3.3583 | .49884 | 1.8939 | 8.3206 | 49.468 |  |

Sample Name: S4      Acquired: 6/8/2017 15:30:06      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: IR      Corr. Factor: 1.000000  
User: JASWAL      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       | 1594.8 | 2444.2 | 52909. | 3975.0 | 2870.2 |
| Stddev    | 11.0   | 6.4    | 127.   | 18.2   | 4.5    |
| %RSD      | .69148 | .26053 | .23958 | .45777 | .15710 |
| #1        | 1602.8 | 2439.5 | 52862. | 3960.6 | 2866.2 |
| #2        | 1582.2 | 2441.7 | 52812. | 3968.9 | 2869.3 |
| #3        | 1599.3 | 2451.4 | 53053. | 3995.4 | 2875.1 |

Sample Name: S5      Acquired: 6/8/2017 15:33:57      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: IR      Corr. Factor: 1.000000  
User: JASWAL      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    | .42066 | .72214 | 8.2001 | .44930 | 1.6965 | 25.452 | 92.203 | 7.3510 |
| Stddev | .00127 | .00165 | .0244  | .00157 | .0036  | .040   | .348   | .0404  |
| %RSD   | .30309 | .22895 | .29752 | .34872 | .20929 | .15888 | .37755 | .54984 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .41921 | .72174 | 8.2144 | .44840 | 1.6973 | 25.427 | 91.834 | 7.3408 |
| #2 | .42115 | .72396 | 8.2140 | .44839 | 1.6926 | 25.499 | 92.525 | 7.3168 |
| #3 | .42162 | .72072 | 8.1719 | .45111 | 1.6996 | 25.430 | 92.250 | 7.3956 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 7.6517 | 21.678 | 3.2237 | 3.0088 | 5.4276 | 3.7967 | 7.7842 | 2.6863 |
| Stddev | .0378  | .101   | .0063  | .0082  | .0022  | .0140  | .0386  | .0066  |
| %RSD   | .49458 | .46657 | .19430 | .27157 | .03958 | .36756 | .49538 | .24751 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 7.6869 | 21.569 | 3.2168 | 3.0158 | 5.4253 | 3.7818 | 7.7495 | 2.6810 |
| #2 | 7.6566 | 21.769 | 3.2254 | 3.0108 | 5.4296 | 3.8094 | 7.8257 | 2.6938 |
| #3 | 7.6117 | 21.697 | 3.2290 | 2.9999 | 5.4278 | 3.7989 | 7.7774 | 2.6841 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 2.8278 | .43386 | 3.0175 | .30371 | .74324 | 13.105 | .47638 | 4.9240 |
| Stddev | .0088  | .00104 | .0023  | .00124 | .00174 | .005   | .00069 | .0114  |
| %RSD   | .31003 | .23857 | .07694 | .40694 | .23417 | .03620 | .14531 | .23042 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.8370 | .43307 | 3.0151 | .30300 | .74443 | 13.110 | .47565 | 4.9230 |
| #2 | 2.8269 | .43503 | 3.0197 | .30513 | .74404 | 13.101 | .47645 | 4.9133 |
| #3 | 2.8196 | .43347 | 3.0176 | .30299 | .74124 | 13.105 | .47703 | 4.9359 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| Elem   | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 | Sr4077 |  |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |  |
| Avg    | 5.6058 | .06990 | 6.6109 | .98758 | 3.7025 | 17.047 | 94.907 |  |
| Stddev | .0040  | .00040 | .0126  | .00209 | .0083  | .030   | .276   |  |
| %RSD   | .07160 | .57592 | .19039 | .21206 | .22296 | .17833 | .29112 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | 5.6017 | .07036 | 6.6087 | .98989 | 3.6979 | 17.022 | 94.642 |  |
| #2 | 5.6060 | .06964 | 6.5995 | .98702 | 3.7121 | 17.081 | 95.193 |  |
| #3 | 5.6097 | .06969 | 6.6244 | .98582 | 3.6977 | 17.038 | 94.886 |  |

Sample Name: S5      Acquired: 6/8/2017 15:33:57      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: IR      Corr. Factor: 1.000000  
User: JASWAL      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       | 1487.8 | 2280.8 | 50594. | 3876.6 | 2591.5 |
| Stddev    | 7.0    | 6.6    | 163.   | 6.3    | 1.3    |
| %RSD      | .46753 | .28954 | .32309 | .16359 | .05030 |
| #1        | 1481.5 | 2286.1 | 50545. | 3869.6 | 2592.6 |
| #2        | 1486.6 | 2282.9 | 50462. | 3881.9 | 2592.0 |
| #3        | 1495.3 | 2273.4 | 50777. | 3878.3 | 2590.1 |

Sample Name: S6      Acquired: 6/8/2017 15:38:04      Type: Cal  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: IR      Corr. Factor: 1.000000  
 User: JASWAL      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    | 68.880 | 37.082 | 9.8516 | 4.4394 | 8.3880 |
| Stddev | .112   | .189   | .0536  | .0215  | .0010  |
| %RSD   | .16260 | .50901 | .54398 | .48444 | .01197 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 68.835 | 36.878 | 9.8000 | 4.4166 | 8.3888 |
| #2 | 68.797 | 37.116 | 9.8480 | 4.4423 | 8.3869 |
| #3 | 69.007 | 37.251 | 9.9070 | 4.4593 | 8.3883 |

|           |         |
|-----------|---------|
| Int. Std. | Y_ 3710 |
| Units     | Cts/S   |
| Avg       | 3721.8  |
| Stddev    | 16.3    |
| %RSD      | .43735  |

|    |        |
|----|--------|
| #1 | 3736.7 |
| #2 | 3724.1 |
| #3 | 3704.4 |

Sample Name: ICV      Acquired: 6/8/2017 15:42:12      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: ICV      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .9667128 | 1.091784 | .9622735 | .9948348 | .9668793 | 2.369381 |
| Stddev | .0021110 | .000783  | .0037112 | .0070206 | .0048922 | .015621  |
| %RSD   | .2183651 | .0717139 | .3856657 | .7057003 | .5059812 | .6592785 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .9685035 | 1.091141 | .9581662 | .9920127 | .9707558 | 2.383250 |
| #2 | .9643852 | 1.091557 | .9653856 | .9896644 | .9613825 | 2.352459 |
| #3 | .9672495 | 1.092656 | .9632688 | 1.002827 | .9684997 | 2.372433 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5112822 | .4859053 | .4616443 | 9.960217 | .5237774 | .4682021 |
| Stddev | .0016831 | .0014858 | .0006056 | .011372  | .0018329 | .0007247 |
| %RSD   | .3291837 | .3057817 | .1311840 | .1141700 | .3499392 | .1547901 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5129820 | .4853107 | .4610109 | 9.947185 | .5222363 | .4682568 |
| #2 | .5096164 | .4875963 | .4622176 | 9.965335 | .5258042 | .4674515 |
| #3 | .5112482 | .4848088 | .4617043 | 9.968130 | .5232917 | .4688979 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5055999 | 5.201697 | .5366277 | 5.724971 | .4820296 | .4651762 |
| Stddev | .0046676 | .043043  | .0014304 | .077189  | .0006119 | .0007437 |
| %RSD   | .9231805 | .8274794 | .2665548 | 1.348281 | .1269367 | .1598763 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5109710 | 5.249243 | .5379217 | 5.791058 | .4825722 | .4643416 |
| #2 | .5033015 | 5.190466 | .5368696 | 5.743720 | .4813664 | .4657686 |
| #3 | .5025271 | 5.165383 | .5350918 | 5.640135 | .4821503 | .4654184 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 9.665318 | .5272615 | .9442106 | 9.243487 | 5.396656 | F -.010422 |
| Stddev | .044806  | .0033217 | .0268526 | .040400  | .002077  | .000578    |
| %RSD   | .4635732 | .6299945 | 2.843922 | .4370627 | .0384842 | 5.547449   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.668557 | .5255504 | .9273101 | 9.289542 | 5.394854 | -.011082 |
| #2 | 9.618980 | .5251440 | .9751740 | 9.214031 | 5.398927 | -.010174 |
| #3 | 9.708416 | .5310899 | .9301476 | 9.226887 | 5.396186 | -.010008 |



Sample Name: ICV      Acquired: 6/8/2017 15:42:12      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      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 -.000305 | .0074912 | -.000160 | F -.000804 | -.000159 | .0013773 |
| Stddev | .000177    | .0084359 | .000598  | .000723    | .000646  | .0005941 |
| %RSD   | 58.00906   | 112.6101 | 373.2570 | 89.96552   | 407.2745 | 43.13093 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.000122 | .0043204 | .000494  | .000007  | -.000616 | .0019793 |
| #2 | -.000475 | .0170531 | -.000679 | -.001039 | .000581  | .0007916 |
| #3 | -.000318 | .0011002 | -.000296 | -.001381 | -.000441 | .0013611 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .0124244 |
| Stddev | .0001339 |
| %RSD   | 1.077774 |

|    |          |
|----|----------|
| #1 | .0125529 |
| #2 | .0124347 |
| #3 | .0122857 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1822.117 | 2781.211 | 59029.41 | 4202.260 | 3801.158 |
| Stddev    | 5.762    | 9.237    | 37.94    | 13.619   | 8.388    |
| %RSD      | .3162170 | .3321239 | .0642684 | .3240803 | .2206595 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1821.509 | 2773.643 | 58989.17 | 4198.485 | 3793.599 |
| #2 | 1816.683 | 2791.505 | 59034.54 | 4190.927 | 3810.182 |
| #3 | 1828.159 | 2778.486 | 59064.52 | 4217.368 | 3799.695 |

Sample Name: ICB      Acquired: 6/8/2017 15:47:43      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      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    | -.000613 | .0000777 | -.000614 | -.000553 | .0021015 | -.005028 | -.000000 |
| Stddev | .000708  | .0009682 | .001050  | .002050  | .0003786 | .007408  | .000226  |
| %RSD   | 115.4381 | 1246.982 | 171.0814 | 370.7973 | 18.01480 | 147.3331 | 186038.5 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.001001 | .0010183 | -.001375 | -.002202 | .0022403 | .002668  | -.000143 |
| #2 | .000204  | -.000916 | .000584  | -.001198 | .0023912 | -.005642 | .000261  |
| #3 | -.001042 | .000131  | -.001050 | .001742  | .0016732 | -.012111 | -.000118 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000310 | -.000045 | -.010185 | -.000116 | -.000358 | -.001243 | .0079424 |
| Stddev | .0000649 | .000107  | .003638  | .000026  | .000119  | .001442  | .0168156 |
| %RSD   | 209.2661 | 240.6929 | 35.71924 | 22.45128 | 33.13468 | 116.0413 | 211.7183 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000041 | .000065  | -.014025 | -.000098 | -.000471 | -.001167 | .0268141 |
| #2 | .000086  | -.000050 | -.009738 | -.000105 | -.000368 | .000160  | .0024638 |
| #3 | .000048  | -.000149 | -.006791 | -.000146 | -.000234 | -.002721 | -.005451 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0006972 | -.042103 | -.000245 | .0000031 | .1603267 | -.000457 | -.008320 |
| Stddev | .0004721 | .026877  | .000228  | .0002452 | .0995138 | .003936  | .015276  |
| %RSD   | 67.70662 | 63.83709 | 92.95453 | 7937.141 | 62.06936 | 861.5187 | 183.6096 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0008493 | -.028631 | -.000094 | .0002292 | .0597767 | -.004945 | -.025959 |
| #2 | .0001678 | -.073052 | -.000508 | .0000376 | .1624327 | .001162  | .000462  |
| #3 | .0010744 | -.024626 | -.000135 | -.000258 | .2587709 | .002412  | .000537  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0386019 | .0015191 | -.001177 | -.000093 | -.008377 | -.002992 | -.000040 |
| Stddev | .0256383 | .0020857 | .000202  | .000230  | .009788  | .000610  | .000504  |
| %RSD   | 66.41717 | 137.3004 | 17.15821 | 248.5722 | 116.8459 | 20.37112 | 1263.089 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0409621 | .0038670 | -.001410 | -.000305 | -.005939 | -.002615 | .000529  |
| #2 | .0118651 | .0008097 | -.001046 | -.000125 | -.019154 | -.003696 | -.000430 |
| #3 | .0629784 | -.000119 | -.001076 | .000152  | -.000038 | -.002667 | -.000219 |

Sample Name: ICB      Acquired: 6/8/2017 15:47:43      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: ICB      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0002264 | -.000029 | .0000534 |
| Stddev | .0008312 | .000154  | .0000242 |
| %RSD   | 367.2197 | 525.0335 | 45.28570 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0000232 | .000029  | .0000396 |
| #2 | -.000484 | -.000203 | .0000812 |
| #3 | .001140  | .000087  | .0000392 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1842.278 | 2836.854 | 59599.29 | 4146.456 | 4024.824 |
| Stddev    | 4.258    | 10.507   | 139.12   | 4.283    | 7.983    |
| %RSD      | .2311076 | .3703851 | .2334249 | .1033013 | .1983372 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1845.295 | 2825.643 | 59452.47 | 4151.303 | 4015.646 |
| #2 | 1837.408 | 2846.477 | 59729.16 | 4144.884 | 4028.676 |
| #3 | 1844.131 | 2838.442 | 59616.23 | 4143.181 | 4030.151 |

Sample Name: ICSA      Acquired: 6/8/2017 15:51:53      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: ICSA      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.002850 | -.012566 | -.005316 | -.023643 | .0036425 | 242.1879 |
| Stddev | .004214  | .002432  | .001795  | .001008  | .0021307 | .5761    |
| %RSD   | 147.8534 | 19.35146 | 33.76364 | 4.264311 | 58.49699 | .2378768 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.005117 | -.014415 | -.006703 | -.023722 | .0061010 | 242.8499 |
| #2 | -.005446 | -.013471 | -.003289 | -.024609 | .0023318 | 241.8002 |
| #3 | .002012  | -.009811 | -.005956 | -.022597 | .0024945 | 241.9135 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0059176 | .0009185 | .0031984 | 246.1958 | .0481075 | .0012551 |
| Stddev | .0002153 | .0000484 | .0000392 | 1.3333   | .0001723 | .0004194 |
| %RSD   | 3.638671 | 5.273569 | 1.224078 | .5415477 | .3582018 | 33.41619 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0059248 | .0008996 | .0032435 | 247.7134 | .0483058 | .0016749 |
| #2 | .0056987 | .0008823 | .0031725 | 245.6610 | .0480231 | .0012543 |
| #3 | .0061292 | .0009735 | .0031793 | 245.2130 | .0479937 | .0008361 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0212296 | 100.3184 | .0147132 | 256.3433 | .0000744 | -.003965 |
| Stddev | .0015641 | .6175    | .0011664 | 1.1796   | .0001950 | .000189  |
| %RSD   | 7.367434 | .6154986 | 7.927366 | .4601565 | 262.1903 | 4.772662 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0203974 | 100.9831 | .0152532 | 257.6935 | .0002808 | -.003868 |
| #2 | .0230338 | 100.2096 | .0133747 | 255.5129 | .0000490 | -.004183 |
| #3 | .0202575 | 99.7626  | .0155117 | 255.8234 | -.000107 | -.003844 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | .4493686 | .0003469 | .0123483 | -.007734 | -.000294 | F -.290573 |
| Stddev | .1706032 | .0030752 | .0154856 | .018128  | .000839  | .001888    |
| %RSD   | 37.96508 | 886.4964 | 125.4061 | 234.4007 | 285.5818 | .6496476   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .6421783 | .0016683 | .0166584 | .012955  | -.000159 | -.292419 |
| #2 | .3179814 | -.003168 | .0252222 | -.015323 | .000470  | -.290652 |
| #3 | .3879463 | .002540  | -.004836 | -.020833 | -.001193 | -.288647 |

Sample Name: ICSA      Acquired: 6/8/2017 15:51:53      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: ICSA      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000156 | .0562642 | -.006354 | -.003240 | -.001468 | .0021604 |
| Stddev | .0004886 | .0123979 | .001153  | .001460  | .001530  | .0006763 |
| %RSD   | 3124.167 | 22.03510 | 18.15049 | 45.07705 | 104.2201 | 31.30329 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.000155 | .0539166 | -.005490 | -.002129 | -.001360 | .0015466 |
| #2 | .000567  | .0452079 | -.005907 | -.002697 | -.003049 | .0028854 |
| #3 | -.000365 | .0696680 | -.007663 | -.004894 | .000005  | .0020493 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1020491 |
| Stddev | .0003623 |
| %RSD   | .3549898 |

|    |          |
|----|----------|
| #1 | .1023140 |
| #2 | .1021969 |
| #3 | .1016363 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1686.913 | 2596.194 | 54300.16 | 4007.730 | 3092.564 |
| Stddev    | 12.488   | 8.918    | 199.32   | 21.986   | 6.154    |
| %RSD      | .7402860 | .3435209 | .3670667 | .5485792 | .1989887 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1680.034 | 2587.412 | 54164.73 | 3984.405 | 3085.978 |
| #2 | 1679.377 | 2595.927 | 54206.72 | 4010.714 | 3093.546 |
| #3 | 1701.328 | 2605.243 | 54529.03 | 4028.071 | 3098.167 |

Sample Name: ICSAB      Acquired: 6/8/2017 15:56:00      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: ICSAB      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0912449 | .1049500 | .0491786 | .0204477 | .5702234 | 241.2023 |
| Stddev | .0007115 | .0011316 | .0007585 | .0054083 | .0032459 | .3419    |
| %RSD   | .7797427 | 1.078189 | 1.542255 | 26.44937 | .5692350 | .1417624 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0911905 | .1060433 | .0500377 | .0197427 | .5665099 | 240.8363 |
| #2 | .0919820 | .1050231 | .0488965 | .0261740 | .5716404 | 241.2570 |
| #3 | .0905622 | .1037837 | .0486016 | .0154265 | .5725199 | 241.5135 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5167592 | .4971982 | .9783295 | 243.6479 | .5586676 | .4912782 |
| Stddev | .0018092 | .0004984 | .0014917 | .8966    | .0020775 | .0016599 |
| %RSD   | .3501088 | .1002480 | .1524779 | .3679699 | .3718572 | .3378682 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5151572 | .4968652 | .9766094 | 242.8301 | .5562731 | .4894850 |
| #2 | .5163990 | .4977712 | .9791109 | 244.6065 | .5599897 | .4927609 |
| #3 | .5187215 | .4969581 | .9792684 | 243.5070 | .5597400 | .4915887 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5233873 | 99.04981 | .5379484 | 253.9271 | .9808697 | .1951834 |
| Stddev | .0043123 | .30630   | .0003141 | .9191    | .0016536 | .0016422 |
| %RSD   | .8239281 | .3092393 | .0583842 | .3619461 | .1685886 | .8413561 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5226917 | 98.74414 | .5375954 | 252.8761 | .9795761 | .1959608 |
| #2 | .5194650 | 99.35674 | .5381969 | 254.3249 | .9827328 | .1962925 |
| #3 | .5280052 | 99.04855 | .5380529 | 254.5803 | .9803002 | .1932968 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | .3781918 | .5066762 | .9769693 | -.099687 | -.006509 | F .8727716 |
| Stddev | .1014343 | .0072036 | .0322023 | .011396  | .002218  | .0005649   |
| %RSD   | 26.82086 | 1.421742 | 3.296143 | 11.43165 | 34.07485 | .0647252   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4061501 | .5063860 | .9896344 | -.087173 | -.004389 | .8721213 |
| #2 | .2657105 | .5140205 | .9403599 | -.102419 | -.006324 | .8730523 |
| #3 | .4627148 | .4996220 | 1.000914 | -.109468 | -.008813 | .8731412 |

Sample Name: ICSAB      Acquired: 6/8/2017 15:56:00      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: ICSAB      Custom ID2:      Custom ID3:  
Comment:

|        |            |          |          |            |          |          |
|--------|------------|----------|----------|------------|----------|----------|
| Elem   | Mo2020     | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707   |
| Units  | ppm        | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | F 1.044667 | .0143592 | 1.004056 | F 1.038581 | 1.067952 | .0003349 |
| Stddev | .004311    | .0061533 | .000900  | .005058    | .005951  | .0005697 |
| %RSD   | .4126507   | 42.85245 | .0896271 | .4869828   | .5572172 | 170.1330 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.043121 | .0105082 | 1.005091 | 1.033518 | 1.062177 | .0003323 |
| #2 | 1.041342 | .0111136 | 1.003456 | 1.043633 | 1.067615 | .0009058 |
| #3 | 1.049537 | .0214558 | 1.003622 | 1.038593 | 1.074065 | -.000234 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1017515 |
| Stddev | .0000936 |
| %RSD   | .0920290 |

|    |          |
|----|----------|
| #1 | .1016469 |
| #2 | .1017801 |
| #3 | .1018276 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1681.183 | 2584.253 | 54102.86 | 4035.054 | 3076.209 |
| Stddev    | 9.962    | 6.048    | 218.87   | 6.834    | .738     |
| %RSD      | .5925872 | .2340338 | .4045385 | .1693568 | .0239914 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1669.680 | 2581.902 | 53975.72 | 4029.888 | 3076.359 |
| #2 | 1686.803 | 2591.123 | 53977.26 | 4032.472 | 3076.861 |
| #3 | 1687.066 | 2579.733 | 54355.58 | 4042.803 | 3075.408 |

Sample Name: CCV056      Acquired: 6/8/2017 15:59:58      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV056      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.977255 | 4.792797 | 24.29207 | 4.869588 | 4.982785 | 391.7054 |
| Stddev | .020530  | .020669  | .06741   | .015503  | .015668  | .9171    |
| %RSD   | .4124671 | .4312562 | .2774964 | .3183599 | .3144382 | .2341283 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.970830 | 4.772835 | 24.21774 | 4.861529 | 4.982037 | 392.3249 |
| #2 | 4.960706 | 4.791449 | 24.30925 | 4.859774 | 4.967505 | 392.1395 |
| #3 | 5.000229 | 4.814107 | 24.34923 | 4.887460 | 4.998813 | 390.6519 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 10.12764 | .4950596 | 2.472374 | 391.7626 | 15.08092 | 2.480348 |
| Stddev | .02527   | .0006930 | .008196  | 1.7479   | .03967   | .005524  |
| %RSD   | .2495475 | .1399924 | .3315055 | .4461748 | .2630647 | .2227087 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 10.13021 | .4944895 | 2.464514 | 392.2709 | 15.07418 | 2.476183 |
| #2 | 10.15153 | .4958310 | 2.471741 | 393.2001 | 15.04505 | 2.478247 |
| #3 | 10.10118 | .4948581 | 2.480869 | 389.8168 | 15.12353 | 2.486615 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 15.12938 | 393.7082 | 14.82690 | 400.0886 | 2.465702 | 1.278638 |
| Stddev | .01655   | 1.4343   | .06754   | 1.0928   | .004033  | .003985  |
| %RSD   | .1094199 | .3643041 | .4554994 | .2731360 | .1635460 | .3116739 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 15.14415 | 394.7288 | 14.86506 | 400.4755 | 2.461435 | 1.274410 |
| #2 | 15.13251 | 394.3275 | 14.86672 | 400.9352 | 2.466220 | 1.279181 |
| #3 | 15.11149 | 392.0683 | 14.74892 | 398.8549 | 2.469450 | 1.282324 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 394.0302 | 2.459369 | 15.25057 | 153.5593 | 5.114556 | F 4.127125 |
| Stddev | .7171    | .012374  | .09490   | .2489    | .040420  | .019872    |
| %RSD   | .1820038 | .5031491 | .6222471 | .1621168 | .7903021 | .4815012   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 394.1766 | 2.460826 | 15.22129 | 153.7855 | 5.076038 | 4.131512 |
| #2 | 394.6629 | 2.470951 | 15.17377 | 153.5998 | 5.110987 | 4.144438 |
| #3 | 393.2512 | 2.446331 | 15.35666 | 153.2926 | 5.156643 | 4.105427 |



Sample Name: CCV056      Acquired: 6/8/2017 15:59:58      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV056      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.889021 | 5.023955 | 4.894828 | 4.908267 | 4.953450 | 5.137753 |
| Stddev | .015599  | .053515  | .020592  | .012411  | .011806  | .009020  |
| %RSD   | .3190651 | 1.065201 | .4206895 | .2528647 | .2383356 | .1755539 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.882062 | 4.976292 | 4.899608 | 4.896140 | 4.965235 | 5.135652 |
| #2 | 4.878113 | 5.013728 | 4.912609 | 4.907716 | 4.953493 | 5.147637 |
| #3 | 4.906889 | 5.081846 | 4.872266 | 4.920944 | 4.941624 | 5.129969 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 5.082120 |
| Stddev | .003460  |
| %RSD   | .0680747 |

|    |          |
|----|----------|
| #1 | 5.083542 |
| #2 | 5.084643 |
| #3 | 5.078176 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1500.398 | 2308.557 | 50491.05 | 3879.597 | 2612.144 |
| Stddev    | 1.038    | 7.251    | 58.70    | 10.860   | 5.497    |
| %RSD      | .0691529 | .3140935 | .1162500 | .2799251 | .2104345 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1501.534 | 2306.832 | 50550.66 | 3872.293 | 2615.258 |
| #2 | 1500.160 | 2316.516 | 50489.20 | 3874.421 | 2615.376 |
| #3 | 1499.501 | 2302.325 | 50433.31 | 3892.076 | 2605.797 |

Sample Name: CCB056      Acquired: 6/8/2017 16:03:45      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB056      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0014485 | .0019172 | .0009875 | -.001617 | .0014499 | .0034165 | .0000693 |
| Stddev | .0016041 | .0009052 | .0011681 | .002567  | .0009133 | .0013592 | .0002028 |
| %RSD   | 110.7445 | 47.21561 | 118.2843 | 158.7586 | 62.99238 | 39.78293 | 292.6849 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000147 | .0021391 | -.000209 | .000955  | .0010978 | .0048813 | .0003027 |
| #2 | .001431  | .0009216 | .002125  | -.001626 | .0007651 | .0031722 | -.000032 |
| #3 | .003061  | .0026908 | .001047  | -.004179 | .0024869 | .0021961 | -.000062 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000490 | .0001580 | .0019378 | -.000185 | .0001246 | .0002892 | .0195540 |
| Stddev | .0000450 | .0001938 | .0081562 | .000151  | .0000696 | .0011963 | .0015740 |
| %RSD   | 91.71834 | 122.6584 | 420.8921 | 81.63053 | 55.90221 | 413.6939 | 8.049530 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000844 | -.000044 | .0102256 | -.000105 | .0001104 | -.001092 | .0211185 |
| #2 | .0000643 | .000177  | -.006080 | -.000091 | .0000631 | .000952  | .0179707 |
| #3 | -.000002 | .000342  | .001668  | -.000360 | .0002002 | .001007  | .0195728 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0002534 | -.002766 | .0003946 | .0000990 | .0177417 | .0038635 | -.005117 |
| Stddev | .0004843 | .032700  | .0002388 | .0003904 | .0855894 | .0007011 | .016588  |
| %RSD   | 191.1671 | 1182.178 | 60.52035 | 394.3782 | 482.4192 | 18.14637 | 324.1960 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0002644 | -.011305 | .0002822 | .0005208 | .0679009 | .0033833 | -.012386 |
| #2 | .0007321 | -.030349 | .0002326 | -.000249 | .0664089 | .0046681 | .013865  |
| #3 | -.000236 | .033356  | .0006688 | .000026  | -.081085 | .0035392 | -.016829 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0303453 | .0023485 | .0024731 | .0004984 | -.022309 | -.003482 | .0000704 |
| Stddev | .0397020 | .0009615 | .0010427 | .0000676 | .009333  | .000380  | .0003074 |
| %RSD   | 130.8343 | 40.94154 | 42.16334 | 13.55484 | 41.83537 | 10.91843 | 437.0293 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0726856 | .0013683 | .0017241 | .0004219 | -.029914 | -.003465 | .0002462 |
| #2 | -.006047 | .0023870 | .0036640 | .0005500 | -.025120 | -.003111 | -.000285 |
| #3 | .024398  | .0032901 | .0020311 | .0005233 | -.011894 | -.003871 | .000249  |

Sample Name: CCB056      Acquired: 6/8/2017 16:03:45      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB056      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0003527 | .0000727 | .0000602 |
| Stddev | .0001538 | .0002554 | .0000582 |
| %RSD   | 43.61059 | 351.4244 | 96.72093 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0002536 | .0003527 | .0000298 |
| #2 | .0002746 | .0000128 | .0000235 |
| #3 | .0005299 | -.000147 | .0001273 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1842.860 | 2860.196 | 59759.82 | 4177.935 | 4041.398 |
| Stddev    | 17.518   | 10.253   | 297.05   | 24.705   | 5.834    |
| %RSD      | .9505940 | .3584730 | .4970721 | .5913266 | .1443502 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1832.526 | 2848.797 | 59483.18 | 4205.359 | 4037.656 |
| #2 | 1863.086 | 2868.664 | 60073.76 | 4171.028 | 4048.120 |
| #3 | 1832.967 | 2863.128 | 59722.50 | 4157.419 | 4038.418 |

Sample Name: PB99431BL      Acquired: 6/8/2017 16:07:57      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: PBW001      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0006119 | -.000417 | -.000608 | -.000458 | .0006405 | .0012726 | -.000129 |
| Stddev | .0013659 | .000925  | .001096  | .003705  | .0004368 | .0088711 | .000176  |
| %RSD   | 223.2312 | 221.9539 | 180.2758 | 809.6630 | 68.19894 | 697.1045 | 136.1769 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0008254 | -.001341 | -.001857 | .003749  | .0004167 | -.005441 | -.000301 |
| #2 | -.000848 | .000509  | -.000158 | -.003235 | .0011438 | -.002071 | -.000137 |
| #3 | .001858  | -.000417 | .000192  | -.001886 | .0003609 | .011330  | .000051  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000031 | .0000447 | -.000296 | .0004145 | -.000119 | .0013135 | .0120594 |
| Stddev | .000068  | .0000206 | .008433  | .0002144 | .000275  | .0006960 | .0243121 |
| %RSD   | 219.4131 | 46.03896 | 2851.907 | 51.73205 | 231.0098 | 52.98676 | 201.6031 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000038 | .0000448 | -.003721 | .0003515 | -.000098 | .0020622 | .0329445 |
| #2 | -.000096 | .0000653 | .009311  | .0006534 | .000145  | .0011923 | -.014629 |
| #3 | .000040  | .0000241 | -.006477 | .0002386 | -.000403 | .0006861 | .017863  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000385 | .0176121 | .0002272 | .0002969 | .0771899 | -.001085 | -.000717 |
| Stddev | .000224  | .0208893 | .0005417 | .0002050 | .0994863 | .002444  | .010319  |
| %RSD   | 58.12380 | 118.6079 | 238.4086 | 69.04502 | 128.8852 | 225.1508 | 1439.658 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000638 | -.004441 | .0004553 | .0003026 | .1745694 | -.000080 | -.006676 |
| #2 | -.000306 | .037101  | .0006176 | .0000891 | .0812774 | .000695  | .011198  |
| #3 | -.000212 | .020176  | -.000391 | .0004991 | -.024277 | -.003871 | -.006672 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0100896 | .0028884 | -.000925 | -.000039 | -.016925 | -.002953 | -.000578 |
| Stddev | .0109097 | .0006352 | .001860  | .000110  | .003519  | .000149  | .000437  |
| %RSD   | 108.1275 | 21.99232 | 201.0267 | 283.5001 | 20.79389 | 5.048970 | 75.59646 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0100079 | .0022870 | -.003029 | -.000158 | -.018613 | -.003122 | -.000107 |
| #2 | -.000779 | .0035528 | -.000247 | -.000018 | -.012880 | -.002840 | -.000971 |
| #3 | .021040  | .0028255 | .000500  | .000059  | -.019283 | -.002896 | -.000656 |

Sample Name: PB99431BL      Acquired: 6/8/2017 16:07:57      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: PBW001      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000239 | -.000466 | .0000609 |
| Stddev | .000773  | .000158  | .0000451 |
| %RSD   | 322.6781 | 33.88977 | 74.06284 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000019 | -.000311 | .0000927 |
| #2 | .000399  | -.000461 | .0000807 |
| #3 | -.001098 | -.000627 | .0000093 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1878.253 | 2885.032 | 60335.37 | 4169.358 | 4086.793 |
| Stddev    | 2.135    | 6.848    | 140.84   | 8.935    | 12.594   |
| %RSD      | .1136635 | .2373642 | .2334267 | .2142940 | .3081750 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1879.574 | 2878.433 | 60364.72 | 4177.512 | 4073.527 |
| #2 | 1875.790 | 2884.559 | 60459.22 | 4159.807 | 4088.266 |
| #3 | 1879.394 | 2892.104 | 60182.16 | 4170.754 | 4098.587 |

Sample Name: PB99431BS      Acquired: 6/8/2017 16:12:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: LCS001      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0228749 | .0608588 | .0219859 | .0730353 | .1282776 | .4107372 |
| Stddev | .0031784 | .0009550 | .0005169 | .0012371 | .0023807 | .0028924 |
| %RSD   | 13.89487 | 1.569228 | 2.350904 | 1.693835 | 1.855876 | .7042050 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0192335 | .0607982 | .0225014 | .0734072 | .1298721 | .4083715 |
| #2 | .0250926 | .0599355 | .0214676 | .0740437 | .1294197 | .4139618 |
| #3 | .0242986 | .0618426 | .0219886 | .0716549 | .1255411 | .4098784 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .4384354 | .0122144 | .0109935 | F 2.160532 | .0245727 | .1015913 |
| Stddev | .0015827 | .0000842 | .0000633 | .016838    | .0001808 | .0000398 |
| %RSD   | .3609800 | .6892552 | .5758723 | .7793376   | .7355706 | .0391790 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4366431 | .0123087 | .0110235 | 2.141557 | .0245959 | .1015606 |
| #2 | .4390223 | .0121466 | .0110362 | 2.173691 | .0247407 | .1015770 |
| #3 | .4396408 | .0121880 | .0109207 | 2.166348 | .0243815 | .1016363 |

|        |          |            |          |            |          |          |
|--------|----------|------------|----------|------------|----------|----------|
| Elem   | Cu3247   | Fe2598     | Mn2576   | Mg2790     | Ni2316   | Ag3280   |
| Units  | ppm      | ppm        | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0565737 | F .2643109 | .0366272 | F 2.073500 | .0837041 | .0218120 |
| Stddev | .0009775 | .0097625   | .0012579 | .039511    | .0005864 | .0000846 |
| %RSD   | 1.727818 | 3.693554   | 3.434330 | 1.905519   | .7005338 | .3877399 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0572640 | .2640511 | .0352271 | 2.038981 | .0830463 | .0218310 |
| #2 | .0554552 | .2546809 | .0369923 | 2.064924 | .0841719 | .0217195 |
| #3 | .0570020 | .2742007 | .0376622 | 2.116594 | .0838941 | .0218855 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 10.50638 | .1137153 | .1260159 | 9.950296 | .0198038 | F .0234118 |
| Stddev | .06556   | .0015329 | .0116077 | .051514  | .0017678 | .0003377   |
| %RSD   | .6239959 | 1.348031 | 9.211314 | .5177154 | 8.926684 | 1.442610   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 10.46428 | .1140995 | .1355145 | 9.922964 | .0218290 | .0235527 |
| #2 | 10.58191 | .1150196 | .1294564 | 10.00972 | .0190129 | .0236563 |
| #3 | 10.47294 | .1120269 | .1130769 | 9.91821  | .0185696 | .0230264 |

Sample Name: PB99431BS      Acquired: 6/8/2017 16:12:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: LCS001      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0236329 | .6661642 | .2170515 | F .0141092 | .2187588 | .0102610 |
| Stddev | .0001704 | .0061106 | .0017275 | .0009737   | .0015031 | .0002232 |
| %RSD   | .7208712 | .9172760 | .7958988 | 6.901428   | .6871037 | 2.175231 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0236624 | .6604624 | .2166015 | .0152235 | .2170957 | .0102795 |
| #2 | .0234497 | .6654156 | .2155935 | .0134224 | .2200203 | .0104743 |
| #3 | .0237866 | .6726146 | .2189595 | .0136816 | .2191605 | .0100291 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .0230433 |
| Stddev | .0000641 |
| %RSD   | .2783474 |

|    |          |
|----|----------|
| #1 | .0229971 |
| #2 | .0230164 |
| #3 | .0231165 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1854.218 | 2850.220 | 59482.02 | 4141.709 | 3915.518 |
| Stddev    | 10.375   | 3.045    | 128.52   | 18.773   | 4.868    |
| %RSD      | .5595174 | .1068277 | .2160618 | .4532730 | .1243271 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1860.438 | 2846.754 | 59370.46 | 4138.166 | 3909.897 |
| #2 | 1842.242 | 2851.443 | 59453.03 | 4162.001 | 3918.356 |
| #3 | 1859.976 | 2852.463 | 59622.55 | 4124.959 | 3918.301 |

Sample Name: I3423-01      Acquired: 6/8/2017 16:16:20      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTS8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0314837 | -.002693 | .0272029 | -.004866 | .0041590 | .0566916 | .0459473 |
| Stddev | .0017080 | .000827  | .0009800 | .002709  | .0008012 | .0039355 | .0005231 |
| %RSD   | 5.424876 | 30.72661 | 3.602634 | 55.68617 | 19.26491 | 6.941901 | 1.138475 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0310720 | -.003075 | .0281925 | -.002636 | .0035382 | .0600599 | .0465487 |
| #2 | .0333599 | -.001743 | .0271833 | -.004079 | .0050635 | .0523657 | .0455978 |
| #3 | .0300192 | -.003260 | .0262327 | -.007881 | .0038754 | .0576491 | .0456955 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000916 | .0005446 | 55.16686 | -.011297 | .0088808 | .0023364 | 15.70259 |
| Stddev | .0001082 | .0001412 | .16312   | .000332  | .0001140 | .0015409 | .09000   |
| %RSD   | 118.1273 | 25.93652 | .2956821 | 2.939303 | 1.284136 | 65.95057 | .5731312 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0002152 | .0004023 | 55.35304 | -.011492 | .0089156 | .0019889 | 15.80032 |
| #2 | .0000140 | .0005466 | 55.09847 | -.011485 | .0087534 | .0040213 | 15.62312 |
| #3 | .0000456 | .0006848 | 55.04906 | -.010913 | .0089734 | .0009989 | 15.68433 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.366850 | 19.38024 | .0034340 | -.000071 | 16.70940 | -.008995 | 10.31875 |
| Stddev | .019100  | .09108   | .0001614 | .000173  | .02885   | .004206  | .10225   |
| %RSD   | .4373927 | .4699574 | 4.700965 | 243.6558 | .1726690 | 46.76360 | .9909525 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.385467 | 19.48435 | .0033910 | -.000042 | 16.67921 | -.013239 | 10.29869 |
| #2 | 4.347300 | 19.34110 | .0036126 | .000086  | 16.71231 | -.004827 | 10.22801 |
| #3 | 4.367783 | 19.31528 | .0032985 | -.000257 | 16.73669 | -.008918 | 10.42954 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.127485 | .1823937 | -.035663 | -.001812 | 183.4563 | 8.588345 | -.003139 |
| Stddev | .021844  | .0013317 | .000655  | .000308  | .4454    | .037533  | .000754  |
| %RSD   | 1.026738 | .7301064 | 1.837564 | 16.97542 | .2427627 | .4370261 | 24.03398 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.151785 | .1812745 | -.035757 | -.001711 | 182.9564 | 8.631631 | -.003585 |
| #2 | 2.109480 | .1838665 | -.036266 | -.001568 | 183.6017 | 8.564825 | -.002268 |
| #3 | 2.121191 | .1820401 | -.034965 | -.002158 | 183.8108 | 8.568580 | -.003564 |



Sample Name: I3423-01      Acquired: 6/8/2017 16:16:20      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTS8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0009139 | -.001635 | .1493487 |
| Stddev | .0007715 | .001375  | .0005971 |
| %RSD   | 84.41742 | 84.08822 | .3998245 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0013277 | -.000510 | .1500065 |
| #2 | .0013904 | -.003167 | .1488409 |
| #3 | .0000238 | -.001228 | .1491988 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1828.441 | 2747.547 | 59099.67 | 4270.403 | 3738.937 |
| Stddev    | 10.735   | 7.255    | 91.95    | 9.149    | 11.894   |
| %RSD      | .5871004 | .2640665 | .1555905 | .2142509 | .3181108 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1839.398 | 2754.625 | 59174.85 | 4268.621 | 3752.252 |
| #2 | 1827.982 | 2747.890 | 58997.15 | 4280.312 | 3735.194 |
| #3 | 1817.943 | 2740.127 | 59127.02 | 4262.275 | 3729.365 |

Sample Name: I3423-02      Acquired: 6/8/2017 16:20:27      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTS9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0007142 | -.001322 | .0127480 | .0017802 | .0006302 | .0049971 | .0433595 |
| Stddev | .0016747 | .001065  | .0010697 | .0018288 | .0015261 | .0022405 | .0006221 |
| %RSD   | 234.4877 | 80.57497 | 8.390759 | 102.7338 | 242.1479 | 44.83601 | 1.434821 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0012871 | -.000435 | .0115341 | .0028982 | -.000647 | .0024164 | .0426931 |
| #2 | -.001172 | -.002503 | .0135523 | .0027725 | .002320  | .0064453 | .0439252 |
| #3 | .002027  | -.001027 | .0131578 | -.000330 | .000217  | .0061296 | .0434601 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000020 | .0069199 | 43.36330 | -.001551 | -.000147 | .0033869 | .1805788 |
| Stddev | .000032  | .0000869 | .68463   | .000182  | .000158  | .0005812 | .0215916 |
| %RSD   | 160.7948 | 1.256183 | 1.578814 | 11.72969 | 107.3801 | 17.16004 | 11.95690 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000016 | .0068204 | 42.63969 | -.001505 | -.000078 | .0030128 | .1774088 |
| #2 | .000010  | .0069808 | 43.44944 | -.001397 | -.000035 | .0030914 | .2035801 |
| #3 | -.000054 | .0069586 | 44.00079 | -.001752 | -.000327 | .0040565 | .1607474 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.022962 | 12.83183 | .0020687 | .0005921 | 7.432564 | -.004146 | 2.091725 |
| Stddev | .032020  | .17319   | .0002719 | .0002233 | .117140  | .005020  | .007249  |
| %RSD   | 1.582823 | 1.349697 | 13.14508 | 37.71919 | 1.576035 | 121.0914 | .3465572 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.989380 | 12.64265 | .0022681 | .0008484 | 7.307995 | -.009941 | 2.084036 |
| #2 | 2.026357 | 12.98257 | .0017589 | .0004398 | 7.540495 | -.001390 | 2.098434 |
| #3 | 2.053149 | 12.87026 | .0021791 | .0004879 | 7.449202 | -.001107 | 2.092707 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.407859 | .0241417 | .0223373 | -.000677 | 91.29448 | 7.244187 | -.003109 |
| Stddev | .080340  | .0008161 | .0007839 | .000177  | .09548   | .101593  | .000830  |
| %RSD   | 2.357494 | 3.380493 | 3.509167 | 26.09704 | .1045807 | 1.402410 | 26.69617 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.325422 | .0231996 | .0214649 | -.000855 | 91.39378 | 7.145789 | -.003394 |
| #2 | 3.412232 | .0246323 | .0225648 | -.000501 | 91.28631 | 7.238073 | -.003758 |
| #3 | 3.485924 | .0245933 | .0229823 | -.000675 | 91.20335 | 7.348699 | -.002174 |

Sample Name: I3423-02      Acquired: 6/8/2017 16:20:27      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTS9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000854 | -.001732 | .1196127 |
| Stddev | .000948  | .000644  | .0019302 |
| %RSD   | 111.0293 | 37.16087 | 1.613684 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000682 | -.000991 | .1173947 |
| #2 | -.000004 | -.002050 | .1205323 |
| #3 | -.001877 | -.002155 | .1209112 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1812.567 | 2761.513 | 58699.31 | 4284.174 | 3804.261 |
| Stddev    | 14.475   | 5.356    | 104.38   | 58.162   | 6.998    |
| %RSD      | .7986008 | .1939352 | .1778171 | 1.357591 | .1839580 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1798.762 | 2767.228 | 58621.46 | 4339.896 | 3809.658 |
| #2 | 1811.310 | 2760.702 | 58817.92 | 4288.781 | 3806.772 |
| #3 | 1827.630 | 2756.609 | 58658.56 | 4223.847 | 3796.354 |

Sample Name: I3423-03      Acquired: 6/8/2017 16:24:34      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTT0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0083998 | -.000402 | .0171309 | -.001386 | .0023527 | .0085682 | .0749521 |
| Stddev | .0019983 | .001178  | .0010176 | .001291  | .0008887 | .0026924 | .0008427 |
| %RSD   | 23.78962 | 292.8540 | 5.940229 | 93.13781 | 37.77346 | 31.42298 | 1.124389 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0103894 | -.000480 | .0159982 | .000080  | .0013387 | .0111811 | .0747538 |
| #2 | .0084169 | -.001540 | .0179679 | -.001884 | .0027234 | .0087207 | .0758763 |
| #3 | .0063929 | .000813  | .0174265 | -.002353 | .0029961 | .0058028 | .0742262 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000036 | .0003110 | 31.75160 | -.003092 | .0047041 | .0022166 | 8.010955 |
| Stddev | .000102  | .0000272 | .04298   | .000070  | .0002312 | .0020246 | .052144  |
| %RSD   | 282.0221 | 8.756897 | .1353751 | 2.263682 | 4.915597 | 91.34054 | .6509035 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000153 | .0003403 | 31.74690 | -.003146 | .0049585 | .0044583 | 8.045803 |
| #2 | .000033  | .0003065 | 31.79674 | -.003117 | .0046470 | .0016703 | 7.951009 |
| #3 | .000012  | .0002863 | 31.71116 | -.003013 | .0045068 | .0005211 | 8.036054 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.284711 | 17.11323 | .0066442 | .0000296 | 4.820633 | -.002304 | 2.717757 |
| Stddev | .006925  | .15680   | .0002091 | .0001250 | .131480  | .002168  | .018773  |
| %RSD   | .2108268 | .9162259 | 3.147645 | 422.9428 | 2.727434 | 94.11508 | .6907454 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.281681 | 17.14092 | .0064028 | .0000464 | 4.687063 | -.000583 | 2.730700 |
| #2 | 3.292634 | 17.25434 | .0067683 | -.000103 | 4.824920 | -.001589 | 2.726345 |
| #3 | 3.279817 | 16.94444 | .0067617 | .000145  | 4.949917 | -.004739 | 2.696227 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.221497 | .1741826 | -.011627 | -.000690 | 87.53351 | 9.612359 | -.002683 |
| Stddev | .020102  | .0029532 | .000354  | .000209  | .30549   | .036410  | .000681  |
| %RSD   | 1.645696 | 1.695485 | 3.048952 | 30.28900 | .3490021 | .3787880 | 25.39296 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.198541 | .1709084 | -.011901 | -.000822 | 87.38989 | 9.574017 | -.003147 |
| #2 | 1.229997 | .1766451 | -.011753 | -.000449 | 87.32629 | 9.646467 | -.001901 |
| #3 | 1.235953 | .1749942 | -.011226 | -.000799 | 87.88435 | 9.616594 | -.003000 |

Sample Name: I3423-03      Acquired: 6/8/2017 16:24:34      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTT0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0006693 | -.001771 | .0983316 |
| Stddev | .0002741 | .000670  | .0003914 |
| %RSD   | 40.94849 | 37.79599 | .3980221 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0009209 | -.001522 | .0978801 |
| #2 | .0007099 | -.002530 | .0985739 |
| #3 | .0003772 | -.001262 | .0985408 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1818.256 | 2771.151 | 58823.95 | 4228.393 | 3832.589 |
| Stddev    | 3.284    | 9.541    | 187.62   | 15.168   | 5.529    |
| %RSD      | .1805937 | .3443122 | .3189579 | .3587121 | .1442647 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1814.578 | 2777.198 | 58626.90 | 4232.648 | 3826.892 |
| #2 | 1820.892 | 2760.152 | 59000.46 | 4211.552 | 3832.943 |
| #3 | 1819.297 | 2776.104 | 58844.50 | 4240.979 | 3837.933 |

Sample Name: I3423-04      Acquired: 6/8/2017 16:28:41      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTT0D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0077781 | -.001876 | .0168232 | -.005781 | .0010036 | .0017714 | .0751440 |
| Stddev | .0030904 | .000949  | .0002771 | .001527  | .0013530 | .0055659 | .0003734 |
| %RSD   | 39.73234 | 50.57247 | 1.646870 | 26.41311 | 134.8160 | 314.2166 | .4968628 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0059489 | -.001291 | .0167701 | -.007532 | .0010968 | .0079673 | .0755295 |
| #2 | .0113462 | -.002970 | .0171230 | -.004724 | -.000394 | .0001524 | .0751183 |
| #3 | .0060392 | -.001366 | .0165765 | -.005087 | .002308  | -.002806 | .0747841 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000064 | .0002526 | 31.06927 | -.003049 | .0046154 | .0038318 | 7.844996 |
| Stddev | .000072  | .0000289 | .09788   | .000391  | .0002671 | .0010185 | .057125  |
| %RSD   | 112.9404 | 11.44278 | .3150535 | 12.83411 | 5.786137 | 26.58101 | .7281751 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .000008  | .0002623 | 31.17603 | -.003380 | .0047983 | .0050067 | 7.910932 |
| #2 | -.000064 | .0002201 | 30.98374 | -.002617 | .0047388 | .0032910 | 7.810401 |
| #3 | -.000136 | .0002754 | 31.04806 | -.003151 | .0043089 | .0031978 | 7.813655 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.322295 | 16.79145 | .0064460 | .0000898 | 4.664535 | -.009650 | 2.639604 |
| Stddev | .019932  | .04243   | .0001843 | .0001858 | .103407  | .001214  | .042493  |
| %RSD   | .5999512 | .2526772 | 2.858840 | 206.8903 | 2.216884 | 12.57742 | 1.609825 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.340073 | 16.82618 | .0062743 | .0001748 | 4.695131 | -.009182 | 2.685032 |
| #2 | 3.300747 | 16.74416 | .0064229 | .0002179 | 4.549281 | -.008740 | 2.600831 |
| #3 | 3.326064 | 16.80402 | .0066407 | -.000123 | 4.749191 | -.011029 | 2.632949 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.188624 | .1730468 | -.012011 | -.000767 | 85.45557 | 9.419927 | -.001751 |
| Stddev | .036589  | .0017261 | .000345  | .000147  | .55887   | .029388  | .000861  |
| %RSD   | 3.078224 | .9974628 | 2.870066 | 19.12000 | .6539864 | .3119800 | 49.16630 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.229984 | .1750189 | -.012097 | -.000906 | 85.36559 | 9.433085 | -.002026 |
| #2 | 1.175410 | .1723101 | -.011631 | -.000614 | 84.94715 | 9.386259 | -.000786 |
| #3 | 1.160479 | .1718112 | -.012304 | -.000780 | 86.05397 | 9.440438 | -.002440 |

Sample Name: I3423-04      Acquired: 6/8/2017 16:28:41      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTT0D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0000008 | -.000941 | .0970853 |
| Stddev | .0008306 | .000253  | .0003076 |
| %RSD   | 105537.4 | 26.83060 | .3167895 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0009126 | -.001230 | .0971931 |
| #2 | -.000197 | -.000829 | .0967384 |
| #3 | -.000713 | -.000765 | .0973245 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1807.194 | 2738.755 | 58704.34 | 4215.398 | 3812.278 |
| Stddev    | 8.235    | 9.433    | 128.19   | 17.188   | 16.075   |
| %RSD      | .4556767 | .3444325 | .2183694 | .4077426 | .4216544 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1807.065 | 2743.413 | 58748.90 | 4200.619 | 3814.207 |
| #2 | 1815.492 | 2744.952 | 58804.30 | 4234.260 | 3827.301 |
| #3 | 1799.024 | 2727.898 | 58559.81 | 4211.316 | 3795.326 |

Sample Name: I3423-05      Acquired: 6/8/2017 16:32:45      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTT0S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0514887 | .0703835 | .0405980 | .0513426 | .1108235 | 2.058626 | 2.302456 |
| Stddev | .0016699 | .0009751 | .0009489 | .0033249 | .0009700 | .017967  | .012112  |
| %RSD   | 3.243255 | 1.385406 | 2.337214 | 6.475888 | .8752380 | .8727440 | .5260476 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0496727 | .0698963 | .0397351 | .0551817 | .1109409 | 2.038177 | 2.288516 |
| #2 | .0518353 | .0697481 | .0404448 | .0494557 | .1098003 | 2.065819 | 2.310405 |
| #3 | .0529581 | .0715062 | .0416142 | .0493905 | .1117295 | 2.071881 | 2.308447 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0549234 | .0492314 | 31.04379 | .2277782 | .5083233 | .2794043 | 8.990463 |
| Stddev | .0002934 | .0000828 | .09942   | .0012583 | .0006002 | .0025587 | .049957  |
| %RSD   | .5341582 | .1682655 | .3202564 | .5524048 | .1180774 | .9157602 | .5556672 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0549155 | .0491934 | 31.00931 | .2291618 | .5078878 | .2771615 | 9.022667 |
| #2 | .0546341 | .0493264 | 31.15586 | .2267022 | .5080741 | .2788602 | 9.015809 |
| #3 | .0552207 | .0491743 | 30.96620 | .2274707 | .5090080 | .2821913 | 8.932914 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.808969 | 16.82638 | .5234968 | .0254307 | 4.698495 | .5758629 | 3.193479 |
| Stddev | .009307  | .08696   | .0007377 | .0002511 | .138636  | .0060516 | .103069  |
| %RSD   | .2443480 | .5167871 | .1409229 | .9875373 | 2.950647 | 1.050869 | 3.227481 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.806253 | 16.74191 | .5230558 | .0256005 | 4.765761 | .5759122 | 3.084641 |
| #2 | 3.819332 | 16.91563 | .5230862 | .0255493 | 4.790665 | .5697868 | 3.289599 |
| #3 | 3.801322 | 16.82161 | .5243485 | .0251422 | 4.539059 | .5818897 | 3.206196 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.216073 | .2213119 | -.014860 | -.000832 | 86.28737 | 9.388271 | -.002048 |
| Stddev | .010117  | .0003881 | .000833  | .000257  | .10453   | .024505  | .000612  |
| %RSD   | .8319242 | .1753602 | 5.608480 | 30.93688 | .1211359 | .2610128 | 29.90163 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.205922 | .2213521 | -.014252 | -.000706 | 86.37378 | 9.381222 | -.002737 |
| #2 | 1.216142 | .2209052 | -.015810 | -.000662 | 86.17119 | 9.368064 | -.001564 |
| #3 | 1.226155 | .2216783 | -.014518 | -.001128 | 86.31715 | 9.415528 | -.001845 |



Sample Name: I3423-05      Acquired: 6/8/2017 16:32:45      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MJHTT0S      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0005948 | -.000619 | .0979760 |
| Stddev | .0007108 | .000121  | .0003479 |
| %RSD   | 119.5015 | 19.61030 | .3550798 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0014109 | -.000701 | .0975798 |
| #2 | .0002636 | -.000675 | .0981167 |
| #3 | .0001100 | -.000479 | .0982315 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1800.662 | 2735.659 | 58780.68 | 4251.521 | 3788.250 |
| Stddev    | 10.526   | 14.104   | 153.16   | 5.562    | 12.442   |
| %RSD      | .5845532 | .5155488 | .2605616 | .1308227 | .3284315 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1806.936 | 2726.658 | 58810.88 | 4257.810 | 3781.691 |
| #2 | 1788.510 | 2751.913 | 58614.66 | 4249.503 | 3802.599 |
| #3 | 1806.540 | 2728.405 | 58916.48 | 4247.249 | 3780.460 |

Sample Name: I3423-03LX5      Acquired: 6/8/2017 16:36:46      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTT0L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0020667 | -.001174 | .0032420 | .0008787 | .0012953 | .0051521 | .0148642 |
| Stddev | .0026868 | .001109  | .0010082 | .0016144 | .0006117 | .0057987 | .0004186 |
| %RSD   | 130.0056 | 94.44864 | 31.09964 | 183.7254 | 47.22238 | 112.5499 | 2.815998 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0017453 | -.002198 | .0022064 | .0018143 | .0015037 | .0017997 | .0146417 |
| #2 | .0048997 | .000004  | .0042204 | .0018073 | .0017755 | .0118478 | .0146038 |
| #3 | -.000445 | -.001330 | .0032991 | -.000985 | .0006066 | .0018087 | .0153470 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000576 | .0000923 | 6.182798 | -.000662 | .0006091 | .0015386 | 1.567071 |
| Stddev | .0000223 | .0000967 | .045274  | .000566  | .0001727 | .0026274 | .019483  |
| %RSD   | 38.61300 | 104.7313 | .7322639 | 85.52956 | 28.36004 | 170.7617 | 1.243285 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000454 | .0001669 | 6.146548 | -.001084 | .0008055 | -.001206 | 1.546450 |
| #2 | .0000833 | -.000017 | 6.168302 | -.000019 | .0005408 | .001792  | 1.569593 |
| #3 | .0000442 | .000127  | 6.233546 | -.000882 | .0004809 | .004030  | 1.585171 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .6581324 | 3.274509 | .0011753 | .0003097 | 1.029783 | -.002638 | .5208918 |
| Stddev | .0027680 | .096134  | .0000879 | .0003964 | .163412  | .001440  | .0146392 |
| %RSD   | .4205886 | 2.935825 | 7.481200 | 127.9692 | 15.86862 | 54.58698 | 2.810410 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .6558969 | 3.375033 | .0011282 | .0004039 | .892864  | -.003669 | .5119428 |
| #2 | .6612285 | 3.183468 | .0011209 | .0006506 | .985801  | -.003254 | .5129468 |
| #3 | .6572718 | 3.265026 | .0012767 | -.000125 | 1.210686 | -.000993 | .5377857 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2097487 | .0366985 | -.007142 | -.000292 | 16.39302 | 1.889372 | -.001073 |
| Stddev | .0324297 | .0010766 | .001404  | .000302  | .03252   | .015090  | .000772  |
| %RSD   | 15.46120 | 2.933714 | 19.66252 | 103.1852 | .1983895 | .7986578 | 72.01245 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1917012 | .0369014 | -.007228 | .000055  | 16.35675 | 1.880053 | -.001925 |
| #2 | .2471872 | .0355349 | -.005696 | -.000486 | 16.41957 | 1.881282 | -.000873 |
| #3 | .1903575 | .0376593 | -.008501 | -.000446 | 16.40274 | 1.906782 | -.000420 |

Sample Name: I3423-03LX5      Acquired: 6/8/2017 16:36:46      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTT0L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0001636 | -.000563 | .0194069 |
| Stddev | .0007361 | .000141  | .0000593 |
| %RSD   | 449.9799 | 25.06505 | .3057781 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0005880 | -.000563 | .0194148 |
| #2 | -.000686 | -.000422 | .0193440 |
| #3 | .000589  | -.000704 | .0194619 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1829.024 | 2824.262 | 59392.49 | 4171.376 | 3967.753 |
| Stddev    | 4.799    | 1.996    | 58.29    | 8.248    | 8.318    |
| %RSD      | .2623588 | .0706879 | .0981393 | .1977184 | .2096484 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1823.709 | 2825.827 | 59366.46 | 4176.634 | 3961.196 |
| #2 | 1830.326 | 2824.947 | 59351.75 | 4175.623 | 3977.110 |
| #3 | 1833.037 | 2822.014 | 59459.25 | 4161.870 | 3964.953 |

Sample Name: I3423-06      Acquired: 6/8/2017 16:40:54      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTT1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0005120 | -.000904 | .0133987 | -.002387 | .0011618 | -.003927 | .0445117 |
| Stddev | .0007625 | .001398  | .0003074 | .001205  | .0012712 | .009168  | .0028260 |
| %RSD   | 148.9254 | 154.7070 | 2.294394 | 50.48718 | 109.4178 | 233.4529 | 6.348866 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0013484 | .000669  | .0134355 | -.003753 | .0019812 | .004309  | .0477610 |
| #2 | .0003321 | -.001374 | .0130746 | -.001474 | .0018067 | -.013805 | .0426267 |
| #3 | -.000144 | -.002005 | .0136861 | -.001933 | -.000303 | -.002285 | .0431474 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000108 | .0095545 | 25.96712 | -.002568 | -.000885 | .0010218 | .0228419 |
| Stddev | .0000507 | .0000372 | 2.13562  | .000376  | .000139  | .0011383 | .0099152 |
| %RSD   | 467.8440 | .3897480 | 8.224307 | 14.62545 | 15.68798 | 111.3994 | 43.40770 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000039 | .0095247 | 28.42165 | -.002681 | -.000951 | .0004483 | .0329075 |
| #2 | .000063  | .0095425 | 24.94556 | -.002149 | -.000725 | .0002843 | .0130844 |
| #3 | .000008  | .0095962 | 24.53416 | -.002875 | -.000978 | .0023329 | .0225340 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1237639 | 8.420736 | .0036871 | .0003412 | 4.009581 | -.003847 | 2.282407 |
| Stddev | .0086472 | .617830  | .0004471 | .0000829 | .254383  | .005374  | .031609  |
| %RSD   | 6.986856 | 7.337007 | 12.12478 | 24.27998 | 6.344380 | 139.7066 | 1.384878 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1335953 | 9.129612 | .0036952 | .0003118 | 4.279163 | .002333  | 2.311068 |
| #2 | .1203591 | 8.135838 | .0032360 | .0004348 | 3.975811 | -.007425 | 2.248506 |
| #3 | .1173374 | 7.996759 | .0041300 | .0002772 | 3.773770 | -.006448 | 2.287646 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.199564 | .0060850 | .0131792 | -.000674 | 65.85594 | 8.496328 | -.002469 |
| Stddev | .158613  | .0010350 | .0018173 | .000025  | .03137   | .575901  | .000453  |
| %RSD   | 13.22255 | 17.00912 | 13.78906 | 3.718145 | .0476270 | 6.778239 | 18.34182 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.380846 | .0072757 | .0151289 | -.000649 | 65.82009 | 9.158014 | -.002349 |
| #2 | 1.131523 | .0054003 | .0128762 | -.000699 | 65.86943 | 8.222855 | -.002089 |
| #3 | 1.086324 | .0055791 | .0115325 | -.000675 | 65.87831 | 8.108116 | -.002970 |

Sample Name: I3423-06      Acquired: 6/8/2017 16:40:54      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MJHTT1      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0002388 | .0004089 | .0834358 |
| Stddev | .0001919 | .0011857 | .0062901 |
| %RSD   | 80.37401 | 289.9777 | 7.538892 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0003574 | .0016782 | .0906787 |
| #2 | .0000174 | -.000670 | .0802838 |
| #3 | .0003416 | .000219  | .0793448 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1850.089 | 2816.760 | 60166.67 | 4150.355 | 3944.698 |
| Stddev    | 4.511    | 10.909   | 249.28   | 273.686  | 9.514    |
| %RSD      | .2438207 | .3872853 | .4143165 | 6.594269 | .2411812 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1845.138 | 2813.845 | 60096.24 | 3837.416 | 3945.544 |
| #2 | 1853.965 | 2828.830 | 60443.59 | 4268.674 | 3953.761 |
| #3 | 1851.166 | 2807.605 | 59960.19 | 4344.976 | 3934.790 |

Sample Name: I3423-07      Acquired: 6/8/2017 16:44:59      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTT2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.001131 | -.001062 | .0332487 | .0010421 | .0011732 | .0764656 | .0237777 |
| Stddev | .002242  | .001293  | .0001869 | .0004526 | .0013954 | .0025161 | .0002924 |
| %RSD   | 198.2336 | 121.7083 | .5622543 | 43.43195 | 118.9402 | 3.290457 | 1.229586 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000548 | -.002295 | .0333767 | .0015336 | .0004794 | .0791707 | .0236762 |
| #2 | .000762  | .000283  | .0330342 | .0006425 | .0027795 | .0760310 | .0235495 |
| #3 | -.003607 | -.001174 | .0333353 | .0009501 | .0002606 | .0741952 | .0241072 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000629 | .0003390 | 26.56614 | -.001488 | .0001680 | .0016607 | .7100119 |
| Stddev | .0000240 | .0001261 | .06237   | .000067  | .0000757 | .0012531 | .0245832 |
| %RSD   | 38.09289 | 37.21068 | .2347741 | 4.475382 | 45.04491 | 75.45587 | 3.462365 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000620 | .0002016 | 26.63128 | -.001556 | .0002540 | .0023369 | .7013897 |
| #2 | .0000873 | .0004496 | 26.56017 | -.001486 | .0001389 | .0024304 | .7377447 |
| #3 | .0000394 | .0003658 | 26.50697 | -.001423 | .0001113 | .0002148 | .6909012 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0886332 | 7.702223 | .0063662 | .0006032 | 6.892311 | .0004595 | 1.752685 |
| Stddev | .0005314 | .097586  | .0002122 | .0004058 | .121775  | .0042215 | .027159  |
| %RSD   | .5995793 | 1.266986 | 3.332789 | 67.27363 | 1.766820 | 918.7892 | 1.549541 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0890225 | 7.784775 | .0061218 | .0006509 | 6.941051 | -.003640 | 1.781268 |
| #2 | .0888493 | 7.727368 | .0065032 | .0001756 | 6.753716 | .004793  | 1.749565 |
| #3 | .0880277 | 7.594524 | .0064735 | .0009829 | 6.982166 | .000225  | 1.727221 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.123799 | .0382835 | .0093044 | -.000631 | 84.08398 | 11.71844 | -.001795 |
| Stddev | .038614  | .0015580 | .0007803 | .000351  | 1.01511  | .01603   | .000283  |
| %RSD   | 3.436032 | 4.069501 | 8.385971 | 55.53998 | 1.207258 | .1367642 | 15.79253 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.107658 | .0400447 | .0102034 | -.000341 | 83.31546 | 11.72579 | -.002072 |
| #2 | 1.167865 | .0370854 | .0088030 | -.001021 | 83.70177 | 11.70006 | -.001807 |
| #3 | 1.095874 | .0377203 | .0089069 | -.000532 | 85.23471 | 11.72947 | -.001506 |

Sample Name: I3423-07      Acquired: 6/8/2017 16:44:59      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTT2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0037597 | .0017469 | .0737421 |
| Stddev | .0009505 | .0004595 | .0003453 |
| %RSD   | 25.28125 | 26.30342 | .4682738 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0043615 | .0022393 | .0740896 |
| #2 | .0042536 | .0013296 | .0733990 |
| #3 | .0026639 | .0016718 | .0737376 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1817.410 | 2726.800 | 59432.13 | 4284.082 | 3834.511 |
| Stddev    | 9.848    | 32.951   | 199.81   | 3.910    | 49.863   |
| %RSD      | .5418771 | 1.208419 | .3361905 | .0912769 | 1.300383 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1827.910 | 2747.440 | 59322.79 | 4281.045 | 3871.969 |
| #2 | 1808.378 | 2744.161 | 59310.87 | 4288.494 | 3853.651 |
| #3 | 1815.941 | 2688.798 | 59662.75 | 4282.707 | 3777.913 |

Sample Name: I3423-08      Acquired: 6/8/2017 16:49:05      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTT3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0058560 | -.002736 | .1065559 | -.003439 | .0029010 | .0289003 | .0846256 |
| Stddev | .0029519 | .000322  | .0015376 | .000565  | .0003675 | .0073000 | .0002150 |
| %RSD   | 50.40842 | 11.76188 | 1.443038 | 16.44059 | 12.66898 | 25.25924 | .2540206 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0091648 | -.003019 | .1059928 | -.002793 | .0032181 | .0254948 | .0843778 |
| #2 | .0049107 | -.002386 | .1082957 | -.003840 | .0029867 | .0239253 | .0847617 |
| #3 | .0034925 | -.002804 | .1053792 | -.003685 | .0024982 | .0372807 | .0847373 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000022 | .0008030 | 28.78038 | -.001957 | .0044112 | .0035645 | 8.451251 |
| Stddev | .000005  | .0000341 | .07804   | .000458  | .0001197 | .0005644 | .005566  |
| %RSD   | 22.20138 | 4.250908 | .2711487 | 23.39768 | 2.714312 | 15.83496 | .0658589 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000017 | .0008128 | 28.73359 | -.002381 | .0044925 | .0036872 | 8.457110 |
| #2 | -.000025 | .0008312 | 28.87047 | -.001471 | .0044673 | .0029488 | 8.446034 |
| #3 | -.000025 | .0007651 | 28.73709 | -.002020 | .0042737 | .0040575 | 8.450608 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.768177 | 8.967999 | .0069584 | .0003116 | 4.952909 | -.000454 | 1.321947 |
| Stddev | .002977  | .071243  | .0004704 | .0001355 | .202664  | .002827  | .036983  |
| %RSD   | .1075492 | .7944148 | 6.760090 | 43.49001 | 4.091819 | 622.4227 | 2.797613 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.769901 | 8.887664 | .0074102 | .0004645 | 4.924505 | -.003116 | 1.291841 |
| #2 | 2.764740 | 8.992828 | .0064714 | .0002644 | 4.765945 | -.000760 | 1.363229 |
| #3 | 2.769891 | 9.023506 | .0069935 | .0002061 | 5.168276 | .002513  | 1.310772 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.501559 | .0420821 | -.012965 | -.000422 | 57.05037 | 9.100513 | -.001586 |
| Stddev | .029327  | .0009911 | .000178  | .000201  | .30623   | .085686  | .000619  |
| %RSD   | 1.953076 | 2.355246 | 1.374430 | 47.55029 | .5367740 | .9415520 | 39.02061 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.510508 | .0411722 | -.012929 | -.000237 | 57.11942 | 9.024504 | -.001826 |
| #2 | 1.525368 | .0419358 | -.012808 | -.000636 | 57.31617 | 9.193373 | -.002049 |
| #3 | 1.468800 | .0431383 | -.013159 | -.000394 | 56.71550 | 9.083663 | -.000883 |



Sample Name: I3423-08      Acquired: 6/8/2017 16:49:05      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTT3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0020865 | -.001204 | .0929594 |
| Stddev | .0029361 | .000919  | .0002878 |
| %RSD   | 140.7154 | 76.32301 | .3095915 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0010116 | -.000669 | .0932324 |
| #2 | .0054086 | -.000677 | .0926588 |
| #3 | -.000161 | -.002264 | .0929870 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1693.369 | 2726.176 | 55702.30 | 4135.528 | 3826.741 |
| Stddev    | 47.113   | 18.207   | 1572.31  | 4.934    | 21.628   |
| %RSD      | 2.782212 | .6678574 | 2.822704 | .1193096 | .5651906 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1735.483 | 2713.262 | 57203.65 | 4134.706 | 3814.643 |
| #2 | 1642.488 | 2718.267 | 54067.53 | 4140.821 | 3813.868 |
| #3 | 1702.136 | 2747.000 | 55835.71 | 4131.056 | 3851.711 |

Sample Name: I3423-09      Acquired: 6/8/2017 16:53:09      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTT4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0491888 | -.005248 | .0230269 | -.011723 | .0025781 | .0051279 | .0490816 |
| Stddev | .0032082 | .001924  | .0021624 | .000839  | .0004723 | .0040136 | .0002885 |
| %RSD   | 6.522273 | 36.64893 | 9.390900 | 7.159779 | 18.31814 | 78.27007 | .5878206 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0504867 | -.004561 | .0248396 | -.012311 | .0020505 | .0092757 | .0489827 |
| #2 | .0455350 | -.003763 | .0206333 | -.012096 | .0027226 | .0012636 | .0494065 |
| #3 | .0515448 | -.007421 | .0236077 | -.010762 | .0029612 | .0048442 | .0488555 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000153 | .0012044 | 30.32920 | -.014514 | .0095319 | .0076486 | 33.28019 |
| Stddev | .0000381 | .0001335 | .10009   | .000176  | .0001285 | .0033829 | .03682   |
| %RSD   | 248.3820 | 11.08120 | .3300219 | 1.209309 | 1.347615 | 44.22823 | .1106227 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000008 | .0010743 | 30.32866 | -.014448 | .0095276 | .0037427 | 33.32269 |
| #2 | -.000005 | .0011979 | 30.22937 | -.014713 | .0096624 | .0096424 | 33.25803 |
| #3 | .000059  | .0013410 | 30.42956 | -.014381 | .0094056 | .0095608 | 33.25985 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 9.492937 | 24.08282 | -.001812 | -.000445 | 6.030264 | -.009304 | 12.07480 |
| Stddev | .035026  | .08298   | .000278  | .000117  | .078931  | .003841  | .09385   |
| %RSD   | .3689680 | .3445795 | 15.34367 | 26.25246 | 1.308919 | 41.27736 | .7772296 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 9.477917 | 24.16144 | -.001736 | -.000410 | 5.970783 | -.004881 | 12.14332 |
| #2 | 9.467927 | 23.99607 | -.001580 | -.000576 | 6.119810 | -.011785 | 11.96784 |
| #3 | 9.532968 | 24.09095 | -.002120 | -.000350 | 6.000201 | -.011248 | 12.11325 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.457550 | .1504305 | -.085270 | -.002372 | 77.11552 | 12.47930 | -.002006 |
| Stddev | .036121  | .0022478 | .001981  | .000044  | .19267   | .05868   | .000840  |
| %RSD   | 2.478220 | 1.494242 | 2.322994 | 1.864700 | .2498428 | .4702192 | 41.85835 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.458584 | .1478762 | -.085496 | -.002405 | 77.21418 | 12.45487 | -.002466 |
| #2 | 1.420923 | .1513089 | -.083186 | -.002389 | 76.89350 | 12.43678 | -.001037 |
| #3 | 1.493143 | .1521065 | -.087128 | -.002322 | 77.23888 | 12.54625 | -.002516 |

Sample Name: I3423-09      Acquired: 6/8/2017 16:53:09      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTT4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000442 | -.001424 | .1695602 |
| Stddev | .000497  | .000224  | .0003809 |
| %RSD   | 112.4609 | 15.74097 | .2246198 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000730 | -.001167 | .1691583 |
| #2 | -.000728 | -.001524 | .1696066 |
| #3 | .000132  | -.001581 | .1699158 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1756.573 | 2678.725 | 57959.37 | 4220.971 | 3703.704 |
| Stddev    | 2.734    | 2.081    | 553.16   | 6.037    | 1.211    |
| %RSD      | .1556382 | .0776790 | .9543849 | .1430347 | .0327015 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1759.405 | 2679.122 | 57712.01 | 4225.462 | 3704.761 |
| #2 | 1753.949 | 2676.474 | 58593.04 | 4223.343 | 3703.970 |
| #3 | 1756.366 | 2680.579 | 57573.06 | 4214.108 | 3702.382 |

Sample Name: I3423-10      Acquired: 6/8/2017 16:57:12      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTT5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0144346 | -.004235 | .0412114 | -.011682 | .0007877 | .1087147 | .0545065 |
| Stddev | .0009665 | .000980  | .0009907 | .000553  | .0002589 | .0124392 | .0004985 |
| %RSD   | 6.695481 | 23.12887 | 2.403943 | 4.735022 | 32.86715 | 11.44206 | .9145834 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0135957 | -.005098 | .0402355 | -.011048 | .0008618 | .1037173 | .0539584 |
| #2 | .0142167 | -.004439 | .0411824 | -.012070 | .0004999 | .1228754 | .0549330 |
| #3 | .0154914 | -.003170 | .0422162 | -.011926 | .0010015 | .0995513 | .0546280 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0001487 | .0010004 | 55.23114 | -.002073 | .0029309 | .0056208 | 26.34348 |
| Stddev | .0000319 | .0001186 | .23937   | .000317  | .0001850 | .0020735 | .09354   |
| %RSD   | 21.43491 | 11.85182 | .4333905 | 15.29152 | 6.311884 | 36.88926 | .3550833 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0001227 | .0008748 | 55.17880 | -.002439 | .0029078 | .0043211 | 26.26998 |
| #2 | .0001393 | .0010160 | 55.02228 | -.001902 | .0031264 | .0045292 | 26.31169 |
| #3 | .0001843 | .0011104 | 55.49235 | -.001877 | .0027585 | .0080120 | 26.44878 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.812121 | 17.08765 | .0003677 | -.001002 | 8.346920 | -.001537 | .1075398 |
| Stddev | .004290  | .08231   | .0002336 | .000148  | .077189  | .003022  | .0290327 |
| %RSD   | .2367348 | .4816665 | 63.51996 | 14.79494 | .9247553 | 196.6095 | 26.99711 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.810187 | 17.14769 | .0006255 | -.001172 | 8.259403 | -.000571 | .1203975 |
| #2 | 1.809139 | 17.12143 | .0003075 | -.000925 | 8.405295 | .000884  | .1279234 |
| #3 | 1.817038 | 16.99383 | .0001701 | -.000907 | 8.376062 | -.004924 | .0742986 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.144381 | .1530286 | -.070811 | -.000045 | 127.9902 | 12.99723 | -.002698 |
| Stddev | .028467  | .0014323 | .000563  | .000087  | .3253    | .12854   | .000935  |
| %RSD   | 1.327527 | .9359591 | .7950221 | 194.5867 | .2541842 | .9889609 | 34.65792 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.118337 | .1521912 | -.071097 | -.000129 | 127.7569 | 12.87166 | -.003776 |
| #2 | 2.140035 | .1522123 | -.070162 | -.000050 | 127.8517 | 12.99149 | -.002105 |
| #3 | 2.174772 | .1546825 | -.071174 | .000045  | 128.3618 | 13.12855 | -.002214 |

Sample Name: I3423-10      Acquired: 6/8/2017 16:57:12      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTT5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0038232 | -.001604 | .1347010 |
| Stddev | .0005516 | .000166  | .0004633 |
| %RSD   | 14.42777 | 10.32619 | .3439370 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0035676 | -.001790 | .1341882 |
| #2 | .0034457 | -.001552 | .1348256 |
| #3 | .0044563 | -.001471 | .1350893 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1768.385 | 2667.947 | 57823.36 | 4205.273 | 3675.798 |
| Stddev    | 9.334    | 11.241   | 150.48   | 22.916   | 11.226   |
| %RSD      | .5278516 | .4213329 | .2602490 | .5449262 | .3054081 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1758.860 | 2678.694 | 57649.65 | 4219.728 | 3685.209 |
| #2 | 1777.516 | 2668.876 | 57914.12 | 4217.240 | 3678.811 |
| #3 | 1768.779 | 2656.270 | 57906.30 | 4178.852 | 3663.372 |

Sample Name: PB99515BL      Acquired: 6/8/2017 17:01:18      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: PBW001      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0006145 | -.001328 | .0000083 | -.002169 | .0016257 | .0043612 | -.000169 |
| Stddev | .0022550 | .001615  | .0009594 | .002087  | .0001358 | .0026197 | .000234  |
| %RSD   | 366.9561 | 121.6067 | 11497.15 | 96.22093 | 8.355857 | 60.06747 | 138.4787 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0009162 | -.002990 | .0009265 | -.004458 | .0017807 | .0013922 | -.000243 |
| #2 | .0027034 | -.001232 | .0000862 | -.001677 | .0015273 | .0063470 | -.000358 |
| #3 | -.001776 | .000236  | -.000988 | -.000372 | .0015692 | .0053446 | .000093  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000003 | .0000451 | .0062626 | .0000333 | .0000225 | -.000144 | .0356393 |
| Stddev | .000030  | .0000535 | .0147207 | .0003518 | .0000354 | .001490  | .0050329 |
| %RSD   | 957.0967 | 118.5218 | 235.0575 | 1055.705 | 157.5677 | 1031.377 | 14.12167 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000037 | .0000056 | .0115900 | -.000329 | -.000007 | .001460  | .0380987 |
| #2 | .000006  | .0001059 | -.010380 | .000056  | .000012  | -.001484 | .0389697 |
| #3 | .000022  | .0000238 | .017578  | .000373  | .000062  | -.000410 | .0298497 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0005601 | -.017200 | -.000021 | .0001089 | .1261075 | -.000541 | .0013147 |
| Stddev | .0005770 | .028131  | .000228  | .0001928 | .0131953 | .004054  | .0174291 |
| %RSD   | 103.0293 | 163.5495 | 1095.233 | 176.9664 | 10.46353 | 749.3565 | 1325.748 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000356 | -.036181 | -.000269 | -.000087 | .1308172 | .002072  | .0198606 |
| #2 | .0011782 | -.030538 | .000179  | .000299  | .1112035 | .001516  | -.001190 |
| #3 | .0004664 | .015119  | .000028  | .000115  | .1363017 | -.005211 | -.014727 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.032376 | .0014836 | -.007394 | -.000442 | .0686597 | -.002132 | -.001117 |
| Stddev | .019973  | .0004410 | .000738  | .000221  | .0118432 | .000261  | .001001  |
| %RSD   | 61.68867 | 29.72449 | 9.979480 | 50.01787 | 17.24911 | 12.25223 | 89.62907 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.012559 | .0012585 | -.007994 | -.000672 | .0805370 | -.002291 | -.001124 |
| #2 | -.032069 | .0012006 | -.006570 | -.000232 | .0568509 | -.002275 | -.000112 |
| #3 | -.052501 | .0019918 | -.007618 | -.000421 | .0685913 | -.001831 | -.002115 |

Sample Name: PB99515BL      Acquired: 6/8/2017 17:01:18      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: PBW001      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0009041 | -.001153 | .0000840 |
| Stddev | .0010734 | .000502  | .0000454 |
| %RSD   | 118.7197 | 43.53622 | 53.99967 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0011333 | -.001726 | .0000744 |
| #2 | .0018444 | -.000792 | .0001334 |
| #3 | -.000265 | -.000940 | .0000442 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1840.699 | 2842.168 | 59796.03 | 4210.527 | 4060.478 |
| Stddev    | 13.590   | 15.090   | 160.35   | 24.643   | 17.867   |
| %RSD      | .7383300 | .5309214 | .2681644 | .5852616 | .4400298 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1828.116 | 2824.927 | 59655.46 | 4185.665 | 4040.924 |
| #2 | 1838.870 | 2848.607 | 59970.68 | 4210.972 | 4064.556 |
| #3 | 1855.112 | 2852.970 | 59761.93 | 4234.944 | 4075.954 |

Sample Name: PB99515BS      Acquired: 6/8/2017 17:05:29      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: LCS001      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0228742 | .0617198 | .0220204 | .0748368 | .1293976 | .4107915 |
| Stddev | .0015788 | .0024485 | .0007085 | .0045328 | .0012508 | .0047428 |
| %RSD   | 6.902057 | 3.967203 | 3.217235 | 6.056844 | .9666130 | 1.154557 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0237443 | .0627055 | .0215088 | .0747363 | .1303071 | .4151569 |
| #2 | .0238266 | .0589320 | .0217233 | .0794190 | .1299144 | .4114728 |
| #3 | .0210518 | .0635218 | .0228290 | .0703552 | .1279712 | .4057449 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .4369812 | .0118864 | .0107318 | F 2.126302 | .0242970 | .1012472 |
| Stddev | .0019403 | .0001558 | .0000312 | .010774    | .0007530 | .0002184 |
| %RSD   | .4440311 | 1.310947 | .2911411 | .5066898   | 3.099270 | .2157484 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4363021 | .0117133 | .0107153 | 2.138663 | .0239108 | .1009958 |
| #2 | .4391698 | .0120156 | .0107123 | 2.121332 | .0238154 | .1013904 |
| #3 | .4354716 | .0119303 | .0107678 | 2.118910 | .0251648 | .1013555 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790     | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0569607 | .2363416 | .0351393 | F 2.044307 | .0831819 | .0218133 |
| Stddev | .0005763 | .0042858 | .0007310 | .043652    | .0002818 | .0005112 |
| %RSD   | 1.011696 | 1.813406 | 2.080396 | 2.135283   | .3387276 | 2.343322 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0567606 | .2399117 | .0343777 | 2.039416 | .0832136 | .0220479 |
| #2 | .0576103 | .2375246 | .0352047 | 2.090198 | .0828856 | .0221651 |
| #3 | .0565111 | .2315886 | .0358354 | 2.003307 | .0834465 | .0212270 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 10.33521 | .1149679 | .1154846 | 9.843387 | .0205922 | F .0175178 |
| Stddev | .03480   | .0027673 | .0175503 | .029002  | .0004319 | .0005470   |
| %RSD   | .3367259 | 2.407000 | 15.19710 | .2946319 | 2.097285 | 3.122482   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 10.31824 | .1159519 | .1353742 | 9.827610 | .0208610 | .0179449 |
| #2 | 10.37525 | .1118431 | .1021759 | 9.876857 | .0208216 | .0169013 |
| #3 | 10.31216 | .1171087 | .1089038 | 9.825695 | .0200941 | .0177073 |



Sample Name: PB99515BS      Acquired: 6/8/2017 17:05:29      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: LCS001      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0236914 | .7149237 | .2124539 | F .0150648 | .2181105 | .0086581 |
| Stddev | .0002970 | .0078883 | .0006322 | .0010771   | .0038907 | .0002581 |
| %RSD   | 1.253707 | 1.103382 | .2975524 | 7.149951   | 1.783803 | 2.980370 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0236188 | .7204364 | .2130412 | .0148168 | .2139018 | .0085482 |
| #2 | .0234374 | .7184471 | .2125356 | .0141333 | .2215759 | .0084733 |
| #3 | .0240180 | .7058878 | .2117849 | .0162443 | .2188537 | .0089530 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .0229752 |
| Stddev | .0000337 |
| %RSD   | .1468417 |

|    |          |
|----|----------|
| #1 | .0230137 |
| #2 | .0229504 |
| #3 | .0229617 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1839.288 | 2799.122 | 59704.40 | 4205.089 | 3886.271 |
| Stddev    | 10.479   | 7.019    | 142.76   | 5.988    | 3.020    |
| %RSD      | .5697159 | .2507719 | .2391098 | .1424007 | .0777063 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1827.257 | 2792.588 | 59602.81 | 4208.845 | 3887.736 |
| #2 | 1846.424 | 2806.543 | 59642.78 | 4198.183 | 3888.278 |
| #3 | 1844.182 | 2798.237 | 59867.62 | 4208.238 | 3882.798 |

Sample Name: I3403-01      Acquired: 6/8/2017 17:09:38      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTQ0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0012123 | -.001026 | .0323999 | -.000318 | .0016628 | .0746492 | .0386695 |
| Stddev | .0014906 | .000747  | .0009737 | .003136  | .0001690 | .0004673 | .0001781 |
| %RSD   | 122.9624 | 72.81242 | 3.005344 | 987.4962 | 10.16663 | .6259526 | .4606356 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0029332 | -.001830 | .0330177 | -.003388 | .0017530 | .0749144 | .0386831 |
| #2 | .0003796 | -.000353 | .0329045 | .002880  | .0017677 | .0741097 | .0384850 |
| #3 | .0003239 | -.000894 | .0312774 | -.000444 | .0014678 | .0749235 | .0388405 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000889 | .0027935 | 12.00708 | -.000761 | -.000355 | .0023527 | .2342769 |
| Stddev | .0000182 | .0001067 | .07207   | .000216  | .000108  | .0024800 | .0048429 |
| %RSD   | 20.43574 | 3.818162 | .6002388 | 28.44299 | 30.33035 | 105.4107 | 2.067147 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000736 | .0026823 | 12.09030 | -.000965 | -.000414 | .0049473 | .2293889 |
| #2 | .0001089 | .0028031 | 11.96572 | -.000784 | -.000421 | .0021046 | .2390733 |
| #3 | .0000840 | .0028950 | 11.96522 | -.000534 | -.000231 | .0000061 | .2343685 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1082737 | 3.213641 | .0010256 | .0002648 | 2.600484 | -.000827 | .6573050 |
| Stddev | .0007295 | .033307  | .0001951 | .0002607 | .101786  | .002002  | .0106711 |
| %RSD   | .6737737 | 1.036439 | 19.01979 | 98.45263 | 3.914128 | 242.1605 | 1.623469 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1083410 | 3.249623 | .0010934 | .0005604 | 2.574004 | -.000257 | .6684314 |
| #2 | .1075128 | 3.207412 | .0008057 | .0001658 | 2.712893 | .000829  | .6471564 |
| #3 | .1089672 | 3.183887 | .0011777 | .0000681 | 2.514555 | -.003052 | .6563272 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .7970157 | .0128201 | .0045692 | -.000301 | 23.72662 | 10.79733 | -.001907 |
| Stddev | .0398450 | .0009065 | .0004897 | .000390  | .06550   | .02375   | .001122  |
| %RSD   | 4.999271 | 7.070979 | 10.71857 | 129.6754 | .2760557 | .2199217 | 58.81743 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .8430229 | .0137717 | .0040555 | -.000328 | 23.80171 | 10.77629 | -.002777 |
| #2 | .7743705 | .0119667 | .0046214 | -.000677 | 23.68126 | 10.82307 | -.000641 |
| #3 | .7736538 | .0127220 | .0050308 | .000102  | 23.69690 | 10.79263 | -.002303 |

Sample Name: I3403-01      Acquired: 6/8/2017 17:09:38      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTQ0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0035197 | -.000679 | .0604572 |
| Stddev | .0004841 | .000878  | .0003043 |
| %RSD   | 13.75400 | 129.3709 | .5033291 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0031263 | -.000802 | .0606608 |
| #2 | .0033725 | -.001489 | .0601074 |
| #3 | .0040603 | .000254  | .0606033 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1836.541 | 2802.088 | 60006.43 | 4311.927 | 3980.073 |
| Stddev    | 5.559    | 10.041   | 220.78   | 6.504    | 12.731   |
| %RSD      | .3027006 | .3583568 | .3679326 | .1508316 | .3198763 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1842.806 | 2810.549 | 60078.59 | 4319.050 | 3986.171 |
| #2 | 1832.198 | 2804.723 | 60182.11 | 4310.426 | 3988.608 |
| #3 | 1834.618 | 2790.991 | 59758.60 | 4306.305 | 3965.440 |

Sample Name: I3403-02      Acquired: 6/8/2017 17:13:45      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTQ1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000233 | -.000508 | .0312232 | -.000908 | .0024345 | .0634507 | .0383334 |
| Stddev | .001443  | .000988  | .0021982 | .001093  | .0005180 | .0062163 | .0005585 |
| %RSD   | 619.1274 | 194.6174 | 7.040258 | 120.4074 | 21.27891 | 9.797037 | 1.456962 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .001133  | .000618  | .0331960 | .000138  | .0026341 | .0562867 | .0379701 |
| #2 | -.001742 | -.000909 | .0288537 | -.000819 | .0018463 | .0674194 | .0380535 |
| #3 | -.000090 | -.001232 | .0316200 | -.002042 | .0028230 | .0666461 | .0389765 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000445 | .0027324 | 11.76612 | -.000480 | -.000405 | .0024065 | .2376855 |
| Stddev | .0000436 | .0000743 | .03247   | .000153  | .000126  | .0021336 | .0062198 |
| %RSD   | 98.15389 | 2.720727 | .2759892 | 31.82435 | 31.00867 | 88.66109 | 2.616816 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000711 | .0028172 | 11.73443 | -.000358 | -.000299 | -.000031 | .2391040 |
| #2 | .0000682 | .0027020 | 11.76460 | -.000652 | -.000373 | .003313  | .2308790 |
| #3 | -.000006 | .0026782 | 11.79932 | -.000430 | -.000543 | .003937  | .2430736 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1089607 | 3.255542 | .0015667 | .0001095 | 2.613644 | -.000982 | .6042643 |
| Stddev | .0012575 | .041682  | .0000889 | .0001798 | .080567  | .003665  | .0319974 |
| %RSD   | 1.154099 | 1.280355 | 5.673481 | 164.1948 | 3.082544 | 373.1870 | 5.295273 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1079236 | 3.234912 | .0015475 | -.000012 | 2.529816 | -.005187 | .6121574 |
| #2 | .1085992 | 3.228198 | .0014890 | .000316  | 2.620619 | .000706  | .6315764 |
| #3 | .1103594 | 3.303517 | .0016637 | .000024  | 2.690496 | .001535  | .5690589 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .7935932 | .0126992 | .0035406 | -.000287 | 23.48668 | 10.72663 | -.001746 |
| Stddev | .0211246 | .0007012 | .0001284 | .000126  | .15980   | .06341   | .000472  |
| %RSD   | 2.661898 | 5.521800 | 3.625643 | 43.82812 | .6803800 | .5911457 | 27.05326 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .7752077 | .0135008 | .0034974 | -.000363 | 23.33251 | 10.68803 | -.002237 |
| #2 | .8166687 | .0123972 | .0036850 | -.000356 | 23.65157 | 10.69206 | -.001705 |
| #3 | .7889033 | .0121996 | .0034395 | -.000142 | 23.47596 | 10.79982 | -.001295 |

Sample Name: I3403-02      Acquired: 6/8/2017 17:13:45      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MJHTQ1      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0040485 | -.000048 | .0595489 |
| Stddev | .0005941 | .000316  | .0000763 |
| %RSD   | 14.67322 | 664.4539 | .1282089 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0043834 | .000174  | .0594801 |
| #2 | .0033627 | -.000410 | .0596310 |
| #3 | .0043996 | .000093  | .0595355 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1832.621 | 2800.001 | 59629.95 | 4256.623 | 3971.790 |
| Stddev    | 9.096    | 12.681   | 127.75   | 9.958    | 13.235   |
| %RSD      | .4963248 | .4528779 | .2142400 | .2339310 | .3332161 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1838.968 | 2812.458 | 59666.11 | 4260.896 | 3987.064 |
| #2 | 1822.200 | 2800.437 | 59488.01 | 4263.732 | 3963.727 |
| #3 | 1836.694 | 2787.108 | 59735.72 | 4245.243 | 3964.578 |

Sample Name: I3403-03      Acquired: 6/8/2017 17:17:54      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTQ2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0009951 | -.000780 | .0168467 | .0011981 | .0007526 | .0842770 | .0311878 |
| Stddev | .0005407 | .000853  | .0009068 | .0019142 | .0010897 | .0057589 | .0001914 |
| %RSD   | 54.33118 | 109.4497 | 5.382953 | 159.7785 | 144.7835 | 6.833334 | .6136916 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0005053 | .000192  | .0168341 | .0011437 | .0020068 | .0777551 | .0313019 |
| #2 | .0015752 | -.001127 | .0177598 | .0031389 | .0002124 | .0864137 | .0309668 |
| #3 | .0009048 | -.001404 | .0159463 | -.000688 | .0000386 | .0886622 | .0312945 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000232 | .0004067 | 67.57310 | .0005376 | -.000298 | .0046879 | .4379233 |
| Stddev | .0000498 | .0001068 | .15695   | .0002574 | .000345  | .0016556 | .0218194 |
| %RSD   | 214.1205 | 26.25566 | .2322684 | 47.87625 | 115.5972 | 35.31751 | 4.982471 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000341 | .0003125 | 67.44285 | .0004191 | -.000280 | .0043170 | .4128490 |
| #2 | -.000031 | .0003849 | 67.74736 | .0008329 | -.000651 | .0032491 | .4483279 |
| #3 | .000067  | .0005227 | 67.52910 | .0003608 | .000037  | .0064975 | .4525929 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4020832 | 11.39141 | .0008798 | -.000005 | 2.021733 | -.002218 | .0921729 |
| Stddev | .0038903 | .01779   | .0004415 | .000189  | .125589  | .002721  | .0130684 |
| %RSD   | .9675238 | .1562001 | 50.18623 | 3576.064 | 6.211965 | 122.7087 | 14.17817 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3983566 | 11.39269 | .0012249 | .000142  | 2.032356 | -.005038 | .0773197 |
| #2 | .4061187 | 11.40852 | .0003822 | .000060  | 2.141674 | .000392  | .0972924 |
| #3 | .4017745 | 11.37300 | .0010323 | -.000218 | 1.891170 | -.002007 | .1019064 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.959737 | .0058498 | -.006553 | -.000055 | 141.2757 | 8.078406 | -.003881 |
| Stddev | .010732  | .0010043 | .001147  | .000347  | .5201    | .023947  | .000669  |
| %RSD   | .5476346 | 17.16848 | 17.50485 | 632.1121 | .3681543 | .2964328 | 17.23762 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.965164 | .0070071 | -.006116 | -.000138 | 140.8194 | 8.056223 | -.004045 |
| #2 | 1.947375 | .0053358 | -.005688 | -.000353 | 141.1657 | 8.103794 | -.004452 |
| #3 | 1.966672 | .0052065 | -.007854 | .000326  | 141.8420 | 8.075202 | -.003145 |

Sample Name: I3403-03      Acquired: 6/8/2017 17:17:54      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTQ2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0000023 | -.000366 | .1491841 |
| Stddev | .0002466 | .000539  | .0008557 |
| %RSD   | 10647.39 | 147.1382 | .5735953 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0002535 | .000036  | .1483434 |
| #2 | -.000239 | -.000156 | .1491547 |
| #3 | -.000007 | -.000979 | .1500541 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1781.881 | 2706.019 | 58462.38 | 4255.599 | 3766.842 |
| Stddev    | 9.590    | 21.041   | 324.22   | 12.834   | 21.462   |
| %RSD      | .5381923 | .7775692 | .5545725 | .3015799 | .5697508 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1770.835 | 2729.091 | 58126.31 | 4265.258 | 3788.640 |
| #2 | 1788.075 | 2701.079 | 58773.28 | 4241.036 | 3766.153 |
| #3 | 1786.734 | 2687.887 | 58487.54 | 4260.502 | 3745.733 |

Sample Name: I3403-04      Acquired: 6/8/2017 17:22:02      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTQ2D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0029245 | -.001441 | .0190742 | -.002111 | .0014635 | .0717773 | .0305234 |
| Stddev | .0030889 | .000539  | .0010176 | .001694  | .0020269 | .0065450 | .0014596 |
| %RSD   | 105.6221 | 37.38507 | 5.334899 | 80.27576 | 138.4968 | 9.118441 | 4.781822 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000090 | -.001654 | .0181789 | -.003339 | .0009823 | .0644910 | .0288448 |
| #2 | .006082  | -.000828 | .0201809 | -.002815 | .0036876 | .0771581 | .0314931 |
| #3 | .002781  | -.001840 | .0188627 | -.000178 | -.000280 | .0736827 | .0312324 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000651 | .0003930 | 65.42342 | .0001114 | -.000361 | .0028571 | .4475918 |
| Stddev | .0000644 | .0000686 | 2.88888  | .0002994 | .000176  | .0015726 | .0187174 |
| %RSD   | 99.01510 | 17.44956 | 4.415660 | 268.7385 | 48.88728 | 55.04291 | 4.181791 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0001351 | .0004155 | 62.10777 | .0004538 | -.000395 | .0046300 | .4273673 |
| #2 | .0000521 | .0004475 | 67.39820 | -.000101 | -.000517 | .0016304 | .4511036 |
| #3 | .0000081 | .0003160 | 66.76428 | -.000018 | -.000170 | .0023109 | .4643046 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3930090 | 11.12055 | .0004896 | .0001419 | 2.047050 | -.005591 | .1025903 |
| Stddev | .0154014 | .41523   | .0003821 | .0004565 | .173339  | .005448  | .0184487 |
| %RSD   | 3.918845 | 3.733875 | 78.05498 | 321.6389 | 8.467764 | 97.44675 | 17.98290 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3752467 | 10.64239 | .0008064 | .0005623 | 1.850178 | -.005907 | .1238215 |
| #2 | .4011291 | 11.32898 | .0000652 | .0002073 | 2.114218 | .000008  | .0934853 |
| #3 | .4026512 | 11.39026 | .0005971 | -.000344 | 2.176753 | -.010875 | .0904641 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.936447 | .0061299 | -.006283 | -.000565 | 141.4995 | 7.821663 | -.003767 |
| Stddev | .092318  | .0013940 | .000390  | .000018  | .1326    | .247855  | .000845  |
| %RSD   | 4.767403 | 22.74095 | 6.209440 | 3.184673 | .0937350 | 3.168830 | 22.43787 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.830341 | .0059051 | -.006377 | -.000549 | 141.5794 | 7.536777 | -.002794 |
| #2 | 1.980619 | .0048619 | -.006618 | -.000562 | 141.3464 | 7.987814 | -.004315 |
| #3 | 1.998380 | .0076226 | -.005855 | -.000585 | 141.5726 | 7.940397 | -.004193 |



Sample Name: I3403-04      Acquired: 6/8/2017 17:22:02      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTQ2D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000579 | .0005193 | .1463495 |
| Stddev | .000677  | .0008402 | .0064956 |
| %RSD   | 116.9939 | 161.7793 | 4.438383 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000423 | -.000293 | .1388528 |
| #2 | -.001320 | .001385  | .1498939 |
| #3 | .000007  | .000466  | .1503018 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1755.831 | 2640.513 | 58213.44 | 4350.914 | 3697.804 |
| Stddev    | 16.006   | 9.523    | 683.56   | 142.371  | 8.498    |
| %RSD      | .9115820 | .3606353 | 1.174233 | 3.272198 | .2298203 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1752.865 | 2636.463 | 58368.58 | 4515.014 | 3696.286 |
| #2 | 1741.515 | 2651.391 | 57465.64 | 4260.342 | 3706.959 |
| #3 | 1773.112 | 2633.685 | 58806.10 | 4277.385 | 3690.167 |

Sample Name: I3403-05      Acquired: 6/8/2017 17:26:08      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTQ2S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0442343 | .0713901 | .0404682 | .0518743 | .1102220 | 2.077312 | 2.218746 |
| Stddev | .0003958 | .0009683 | .0004134 | .0007558 | .0029540 | .009348  | .001718  |
| %RSD   | .8948208 | 1.356326 | 1.021529 | 1.457003 | 2.680077 | .4500016 | .0774223 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0443843 | .0714218 | .0400895 | .0513438 | .1082722 | 2.076370 | 2.217483 |
| #2 | .0437854 | .0723422 | .0404060 | .0515394 | .1136208 | 2.087095 | 2.218052 |
| #3 | .0445333 | .0704064 | .0409093 | .0527397 | .1087731 | 2.068471 | 2.220702 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0525187 | .0479495 | 67.81097 | .2200356 | .4927424 | .2734346 | 1.535438 |
| Stddev | .0002127 | .0011098 | .04995   | .0001998 | .0093425 | .0020729 | .022390  |
| %RSD   | .4049718 | 2.314534 | .0736621 | .0907840 | 1.896026 | .7580943 | 1.458246 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0527226 | .0470706 | 67.83915 | .2199031 | .4849131 | .2714152 | 1.560846 |
| #2 | .0525353 | .0491967 | 67.75329 | .2199384 | .5030843 | .2755572 | 1.526880 |
| #3 | .0522982 | .0475814 | 67.84046 | .2202654 | .4902299 | .2733315 | 1.518590 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .9742602 | 11.43398 | .5053459 | .0251063 | 2.112488 | .5657295 | .5744604 |
| Stddev | .0035865 | .01486   | .0094651 | .0005274 | .176764  | .0069146 | .0233534 |
| %RSD   | .3681289 | .1299617 | 1.873000 | 2.100834 | 8.367560 | 1.222244 | 4.065277 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .9763752 | 11.43019 | .4975383 | .0246110 | 2.302940 | .5652401 | .5516550 |
| #2 | .9701191 | 11.45037 | .5158731 | .0250470 | 1.953689 | .5728758 | .5734005 |
| #3 | .9762862 | 11.42139 | .5026263 | .0256609 | 2.080835 | .5590726 | .5983257 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.006926 | .0562053 | -.008006 | -.000556 | 143.8787 | 8.105592 | -.003586 |
| Stddev | .011405  | .0014330 | .001018  | .000343  | 2.4788   | .008820  | .000257  |
| %RSD   | .5682606 | 2.549639 | 12.72077 | 61.58673 | 1.722851 | .1088190 | 7.172037 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.019749 | .0576662 | -.008371 | -.000192 | 141.7509 | 8.112915 | -.003712 |
| #2 | 1.997916 | .0561480 | -.006855 | -.000872 | 146.6006 | 8.095800 | -.003291 |
| #3 | 2.003114 | .0548018 | -.008791 | -.000605 | 143.2847 | 8.108060 | -.003756 |

Sample Name: I3403-05      Acquired: 6/8/2017 17:26:08      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTQ2S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000423 | -.000037 | .1512358 |
| Stddev | .000390  | .000330  | .0000987 |
| %RSD   | 92.27108 | 895.7053 | .0652450 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000138 | .000269  | .1513228 |
| #2 | -.000262 | -.000386 | .1512560 |
| #3 | -.000867 | .000007  | .1511286 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1743.386 | 2634.392 | 57577.90 | 4202.574 | 3650.468 |
| Stddev    | 6.089    | 34.536   | 91.64    | 3.807    | 53.450   |
| %RSD      | .3492703 | 1.310968 | .1591640 | .0905938 | 1.464195 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1749.451 | 2661.174 | 57579.26 | 4198.744 | 3693.036 |
| #2 | 1743.435 | 2595.412 | 57485.57 | 4202.620 | 3590.482 |
| #3 | 1737.273 | 2646.588 | 57668.85 | 4206.359 | 3667.887 |

Sample Name: I3403-03LX5      Acquired: 6/8/2017 17:30:11      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTQ2L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.001418 | -.000753 | .0033943 | .0004508 | .0016009 | .0100679 | .0060120 |
| Stddev | .001420  | .001268  | .0008917 | .0011240 | .0002806 | .0015140 | .0000667 |
| %RSD   | 100.1248 | 168.2728 | 26.26964 | 249.3514 | 17.52684 | 15.03778 | 1.108932 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.001841 | .000700  | .0038951 | .0015657 | .0016201 | .0117546 | .0059600 |
| #2 | .000165  | -.001326 | .0023648 | .0004685 | .0013112 | .0088265 | .0059889 |
| #3 | -.002578 | -.001634 | .0039229 | -.000682 | .0018714 | .0096227 | .0060872 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000130 | .0000260 | 13.01342 | .0001883 | -.000532 | .0011545 | .1293413 |
| Stddev | .0001104 | .0000525 | .10631   | .0000704 | .000058  | .0012816 | .0288303 |
| %RSD   | 848.7796 | 202.5027 | .8168899 | 37.37374 | 10.92973 | 111.0121 | 22.29010 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000114 | -.000002 | 13.12841 | .0002589 | -.000531 | .0017528 | .1593844 |
| #2 | .000089  | .000087  | 12.99315 | .0001879 | -.000475 | .0020276 | .1019002 |
| #3 | .000064  | -.000006 | 12.91872 | .0001181 | -.000591 | -.000317 | .1267393 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0794975 | 2.175439 | .0001422 | -.000060 | .4075545 | .0012953 | .0220811 |
| Stddev | .0007844 | .052829  | .0000446 | .000137  | .0247251 | .0046673 | .0129583 |
| %RSD   | .9866429 | 2.428417 | 31.35016 | 228.1065 | 6.066696 | 360.3228 | 58.68491 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0797501 | 2.164013 | .0001925 | .000070  | .4285545 | -.003560 | .0317408 |
| #2 | .0801244 | 2.233046 | .0001078 | -.000046 | .3803040 | .005748  | .0073551 |
| #3 | .0786180 | 2.129259 | .0001262 | -.000204 | .4138049 | .001698  | .0271476 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2255331 | .0055139 | -.007258 | -.000185 | 25.89596 | 1.583838 | -.001103 |
| Stddev | .0142443 | .0016196 | .001019  | .000150  | .10051   | .012237  | .000788  |
| %RSD   | 6.315851 | 29.37372 | 14.04344 | 81.00009 | .3881407 | .7726418 | 71.50007 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2419570 | .0039882 | -.007391 | -.000338 | 25.92699 | 1.596005 | -.000479 |
| #2 | .2165513 | .0072134 | -.008204 | -.000037 | 25.78360 | 1.583977 | -.001989 |
| #3 | .2180911 | .0053400 | -.006179 | -.000181 | 25.97731 | 1.571531 | -.000840 |

Sample Name: I3403-03LX5      Acquired: 6/8/2017 17:30:11      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MJHTQ2L      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000469 | -.001644 | .0295598 |
| Stddev | .000297  | .000518  | .0002516 |
| %RSD   | 63.28880 | 31.47653 | .8512159 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000789 | -.001482 | .0298502 |
| #2 | -.000414 | -.002224 | .0294231 |
| #3 | -.000203 | -.001227 | .0294061 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1833.408 | 2791.113 | 60411.87 | 4249.458 | 3966.844 |
| Stddev    | 50.131   | 4.066    | 1610.46  | 42.479   | 4.832    |
| %RSD      | 2.734291 | .1456745 | 2.665801 | .9996374 | .1217996 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1890.499 | 2793.451 | 62236.09 | 4202.472 | 3967.472 |
| #2 | 1796.582 | 2793.471 | 59187.11 | 4260.755 | 3971.331 |
| #3 | 1813.143 | 2786.419 | 59812.41 | 4285.146 | 3961.730 |

Sample Name: CCV057      Acquired: 6/8/2017 17:34:17      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV057      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.917785 | 4.684375 | 23.74432 | 4.837089 | 4.955191 | 387.8575 |
| Stddev | .005445  | .005705  | .06033   | .005947  | .018816  | 1.8724   |
| %RSD   | .1107247 | .1217879 | .2540694 | .1229444 | .3797301 | .4827489 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.923411 | 4.690866 | 23.79358 | 4.830425 | 4.967362 | 385.7328 |
| #2 | 4.912540 | 4.680155 | 23.67703 | 4.838986 | 4.964692 | 388.5732 |
| #3 | 4.917405 | 4.682106 | 23.76234 | 4.841855 | 4.933518 | 389.2664 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 10.06889 | .4778628 | 2.400553 | 383.9679 | 14.63280 | 2.426880 |
| Stddev | .05480   | .0007519 | .005645  | 1.4100   | .01440   | .004754  |
| %RSD   | .5442367 | .1573395 | .2351533 | .3672141 | .0983914 | .1958747 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 10.00618 | .4784430 | 2.401025 | 382.7687 | 14.61887 | 2.432307 |
| #2 | 10.10757 | .4781321 | 2.394687 | 383.6138 | 14.63190 | 2.424876 |
| #3 | 10.09290 | .4770134 | 2.405947 | 385.5212 | 14.64762 | 2.423456 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 15.03509 | 384.8726 | 14.52093 | 391.6427 | 2.416764 | 1.252409 |
| Stddev | .07052   | 1.4035   | .08841   | 1.7518   | .004395  | .001911  |
| %RSD   | .4690264 | .3646624 | .6088576 | .4473017 | .1818481 | .1525778 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 14.95438 | 383.8906 | 14.42218 | 390.0021 | 2.421829 | 1.251804 |
| #2 | 15.06616 | 384.2470 | 14.54788 | 391.4381 | 2.414506 | 1.250874 |
| #3 | 15.08475 | 386.4801 | 14.59273 | 393.4878 | 2.413958 | 1.254549 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 390.0910 | 2.428495 | 14.41998 | 152.4360 | 5.055499 | F 4.018667 |
| Stddev | 2.6786   | .020589  | .08287   | .7096    | .023057  | .016517    |
| %RSD   | .6866531 | .8477898 | .5746969 | .4654973 | .4560732 | .4110070   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 386.9981 | 2.407070 | 14.40445 | 151.6226 | 5.082117 | 4.002898 |
| #2 | 391.6192 | 2.430284 | 14.34597 | 152.9282 | 5.041752 | 4.017260 |
| #3 | 391.6556 | 2.448131 | 14.50952 | 152.7571 | 5.042627 | 4.035842 |

Sample Name: CCV057      Acquired: 6/8/2017 17:34:17      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV057      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.846670 | 4.982324 | 4.772658 | 4.811569 | 4.893552 | 5.138381 |
| Stddev | .006398  | .013615  | .015882  | .007437  | .025954  | .039730  |
| %RSD   | .1320045 | .2732691 | .3327618 | .1545746 | .5303697 | .7732055 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.853804 | 4.966975 | 4.766715 | 4.805621 | 4.873011 | 5.092819 |
| #2 | 4.844762 | 4.992946 | 4.760606 | 4.809178 | 4.884925 | 5.165811 |
| #3 | 4.841443 | 4.987050 | 4.790654 | 4.819908 | 4.922721 | 5.156511 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 5.043482 |
| Stddev | .016555  |
| %RSD   | .3282484 |

|    |          |
|----|----------|
| #1 | 5.024547 |
| #2 | 5.050675 |
| #3 | 5.055224 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1476.748 | 2291.829 | 50411.31 | 3908.854 | 2616.720 |
| Stddev    | 3.070    | 14.774   | 76.01    | 6.389    | 15.329   |
| %RSD      | .2078638 | .6446197 | .1507886 | .1634529 | .5858029 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1474.671 | 2278.372 | 50374.66 | 3904.341 | 2601.735 |
| #2 | 1480.274 | 2289.477 | 50498.70 | 3916.165 | 2616.056 |
| #3 | 1475.299 | 2307.637 | 50360.56 | 3906.057 | 2632.371 |

Sample Name: CCB057      Acquired: 6/8/2017 17:38:04      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB057      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0004781 | -.000250 | .0007374 | .0006556 | .0002245 | -.003553 | -.000267 |
| Stddev | .0005433 | .001252  | .0007633 | .0014593 | .0006518 | .004526  | .000019  |
| %RSD   | 113.6427 | 500.7265 | 103.5049 | 222.6019 | 290.3387 | 127.3894 | 6.965260 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0009357 | -.001130 | .0009094 | -.000799 | -.000379 | -.000334 | -.000246 |
| #2 | .0006212 | -.000803 | .0014000 | .002120  | .000915  | -.001597 | -.000273 |
| #3 | -.000122 | .001183  | -.000097 | .000645  | .000137  | -.008728 | -.000282 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000349 | -.000007 | -.009311 | -.000199 | -.000023 | -.000606 | .0215796 |
| Stddev | .0000318 | .000058  | .008901  | .000157  | .000079  | .001327  | .0036218 |
| %RSD   | 91.22057 | 883.7049 | 95.59565 | 78.79090 | 343.5765 | 218.8700 | 16.78343 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000701 | -.000041 | .000898  | -.000019 | .000012  | .000898  | .0257617 |
| #2 | .0000265 | -.000040 | -.015447 | -.000305 | .000032  | -.001107 | .0194857 |
| #3 | .0000081 | .000061  | -.013384 | -.000273 | -.000113 | -.001610 | .0194914 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0002447 | -.010432 | -.000145 | .0002531 | .0511887 | -.001213 | .0045396 |
| Stddev | .0003483 | .074706  | .000179  | .0003275 | .1130973 | .003667  | .0164652 |
| %RSD   | 142.3479 | 716.1349 | 123.7516 | 129.3742 | 220.9422 | 302.3433 | 362.7045 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0005552 | .054754  | .000056  | .0005553 | .0516746 | -.005377 | -.013481 |
| #2 | -.000132 | .005905  | -.000290 | .0002990 | .1640422 | .000208  | .008301  |
| #3 | .000311  | -.091955 | -.000201 | -.000095 | -.062151 | .001531  | .018799  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0199181 | .0020304 | -.000618 | -.000207 | .0144222 | -.003518 | -.001084 |
| Stddev | .0234530 | .0009662 | .000513  | .000049  | .0080597 | .000150  | .000967  |
| %RSD   | 117.7468 | 47.58478 | 82.94986 | 23.84652 | 55.88420 | 4.263545 | 89.26254 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0234663 | .0012319 | -.000369 | -.000199 | .0199059 | -.003523 | -.000626 |
| #2 | -.005107 | .0017550 | -.000278 | -.000260 | .0181924 | -.003366 | -.000430 |
| #3 | .041395  | .0031044 | -.001208 | -.000162 | .0051684 | -.003666 | -.002195 |



Sample Name: CCB057      Acquired: 6/8/2017 17:38:04      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB057      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000346 | -.001211 | .0000640 |
| Stddev | .000922  | .000304  | .0000284 |
| %RSD   | 266.5035 | 25.06318 | 44.38088 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .000709  | -.001383 | .0000797 |
| #2 | -.000748 | -.000861 | .0000312 |
| #3 | -.000999 | -.001390 | .0000810 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1860.471 | 2872.503 | 60871.88 | 4255.315 | 4114.899 |
| Stddev    | 10.864   | 10.649   | 317.87   | 11.520   | 8.660    |
| %RSD      | .5839232 | .3707266 | .5221987 | .2707233 | .2104626 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1863.067 | 2860.835 | 60819.63 | 4248.703 | 4107.882 |
| #2 | 1848.545 | 2874.973 | 60583.38 | 4248.625 | 4112.237 |
| #3 | 1869.802 | 2881.699 | 61212.64 | 4268.618 | 4124.578 |

Sample Name: I3403-06      Acquired: 6/8/2017 18:03:46      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTQ3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0017251 | -.000370 | .0267933 | .0015218 | .0013594 | .0195319 | .0303931 |
| Stddev | .0008992 | .000515  | .0007470 | .0035441 | .0005112 | .0087668 | .0001517 |
| %RSD   | 52.12248 | 139.2386 | 2.788081 | 232.8972 | 37.60123 | 44.88444 | .4990285 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0023443 | -.000610 | .0262754 | .0033330 | .0014423 | .0192605 | .0305489 |
| #2 | .0021373 | -.000720 | .0264549 | .0037942 | .0018241 | .0109040 | .0302460 |
| #3 | .0006937 | .000221  | .0276497 | -.002562 | .0008119 | .0284312 | .0303844 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000461 | .0020178 | 48.58397 | .0002836 | -.000385 | .0013373 | 1.042808 |
| Stddev | .0000097 | .0000864 | .24428   | .0003581 | .000032  | .0008256 | .017871  |
| %RSD   | 21.05743 | 4.283756 | .5028050 | 126.2924 | 8.246334 | 61.73761 | 1.713780 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000532 | .0020132 | 48.85646 | .0000790 | -.000422 | .0018384 | 1.027732 |
| #2 | .0000350 | .0021064 | 48.38460 | .0006971 | -.000365 | .0017892 | 1.038143 |
| #3 | .0000500 | .0019337 | 48.51084 | .0000746 | -.000370 | .0003844 | 1.062550 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2860129 | 9.463524 | .0027054 | .0005579 | 2.619464 | -.002809 | .2467463 |
| Stddev | .0027411 | .033472  | .0002136 | .0001557 | .116331  | .001750  | .0252569 |
| %RSD   | .9583827 | .3536959 | 7.896243 | 27.91385 | 4.441039 | 62.28979 | 10.23600 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2878757 | 9.470194 | .0026433 | .0005470 | 2.682443 | -.004657 | .2540133 |
| #2 | .2828654 | 9.493158 | .0029431 | .0004079 | 2.690728 | -.002590 | .2186525 |
| #3 | .2872975 | 9.427219 | .0025296 | .0007188 | 2.485221 | -.001179 | .2675730 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.148208 | .0291523 | -.002865 | -.000072 | 101.1615 | 6.583113 | -.003222 |
| Stddev | .027669  | .0003421 | .000313  | .000088  | .1225    | .040355  | .000288  |
| %RSD   | 2.409787 | 1.173361 | 10.90858 | 122.2283 | .1210717 | .6130083 | 8.926236 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.178598 | .0295225 | -.002751 | -.000167 | 101.0760 | 6.629499 | -.003318 |
| #2 | 1.124473 | .0290864 | -.003218 | .000006  | 101.1068 | 6.563769 | -.003450 |
| #3 | 1.141552 | .0288480 | -.002625 | -.000055 | 101.3018 | 6.556072 | -.002899 |

Sample Name: I3403-06      Acquired: 6/8/2017 18:03:46      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MJHTQ3      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0013043 | -.000857 | .1221930 |
| Stddev | .0012137 | .000966  | .0007840 |
| %RSD   | 93.05446 | 112.7443 | .6415722 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0003681 | -.000825 | .1230555 |
| #2 | .0026756 | -.001838 | .1219998 |
| #3 | .0008691 | .000093  | .1215237 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1777.848 | 2705.685 | 58366.91 | 4228.723 | 3780.814 |
| Stddev    | 12.612   | 2.556    | 430.59   | 22.684   | 3.696    |
| %RSD      | .7094160 | .0944837 | .7377307 | .5364300 | .0977535 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1787.490 | 2705.423 | 58198.65 | 4203.426 | 3784.956 |
| #2 | 1782.479 | 2703.270 | 58856.22 | 4235.488 | 3779.634 |
| #3 | 1763.575 | 2708.362 | 58045.85 | 4247.255 | 3777.852 |

Sample Name: I3403-07      Acquired: 6/8/2017 18:09:44      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTQ4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0015053 | -.001655 | .0138432 | -.000477 | .0020988 | .0073633 | .1090009 |
| Stddev | .0008505 | .000876  | .0015803 | .000378  | .0006694 | .0059610 | .0001991 |
| %RSD   | 56.50109 | 52.92694 | 11.41605 | 79.27414 | 31.89426 | 80.95658 | .1826264 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0007894 | -.000704 | .0141129 | -.000152 | .0027888 | .0021071 | .1088162 |
| #2 | .0024454 | -.002429 | .0121454 | -.000892 | .0020556 | .0061425 | .1092118 |
| #3 | .0012811 | -.001832 | .0152714 | -.000386 | .0014521 | .0138402 | .1089747 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000112 | .0008303 | 47.01980 | -.007410 | .0058224 | .0005153 | 3.351236 |
| Stddev | .000021  | .0001034 | .04814   | .000123  | .0003672 | .0010415 | .025104  |
| %RSD   | 18.89948 | 12.45639 | .1023784 | 1.656301 | 6.307153 | 202.0949 | .7490936 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000087 | .0007360 | 47.00756 | -.007510 | .0061286 | .0000998 | 3.331289 |
| #2 | -.000126 | .0008141 | 46.97897 | -.007448 | .0059233 | .0017004 | 3.379424 |
| #3 | -.000122 | .0009409 | 47.07288 | -.007273 | .0054152 | -.000254 | 3.342994 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.977443 | 17.78890 | .0028519 | .0003696 | 27.07539 | -.007575 | 8.023083 |
| Stddev | .014694  | .08273   | .0000788 | .0004882 | .03421   | .001254  | .107833  |
| %RSD   | .3694437 | .4650763 | 2.763898 | 132.0720 | .1263481 | 16.55935 | 1.344031 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.964706 | 17.69355 | .0029428 | .0007370 | 27.04580 | -.006730 | 8.111564 |
| #2 | 3.993520 | 17.84158 | .0028093 | -.000184 | 27.06752 | -.009016 | 8.054712 |
| #3 | 3.974103 | 17.83158 | .0028035 | .000556  | 27.11285 | -.006979 | 7.902973 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.527058 | .0239112 | .0024525 | -.001650 | 140.9808 | 7.579290 | -.001689 |
| Stddev | .021390  | .0008474 | .0001822 | .000209  | .8685    | .057356  | .000275  |
| %RSD   | .8464574 | 3.543941 | 7.427334 | 12.69193 | .6160631 | .7567401 | 16.28045 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.506408 | .0248671 | .0026423 | -.001522 | 141.9751 | 7.571033 | -.001998 |
| #2 | 2.525649 | .0232521 | .0024362 | -.001891 | 140.5971 | 7.526510 | -.001596 |
| #3 | 2.549119 | .0236145 | .0022791 | -.001535 | 140.3702 | 7.640326 | -.001472 |

Sample Name: I3403-07      Acquired: 6/8/2017 18:09:44      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTQ4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000675 | -.001762 | .1397296 |
| Stddev | .000670  | .000847  | .0000978 |
| %RSD   | 99.18101 | 48.06349 | .0700227 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.001425 | -.002668 | .1396972 |
| #2 | -.000136 | -.000990 | .1398395 |
| #3 | -.000465 | -.001629 | .1396520 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1762.268 | 2639.828 | 57618.49 | 4232.235 | 3650.768 |
| Stddev    | 12.783   | 10.180   | 338.89   | .615     | 17.917   |
| %RSD      | .7253495 | .3856379 | .5881665 | .0145404 | .4907726 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1753.547 | 2628.575 | 57453.94 | 4231.838 | 3630.397 |
| #2 | 1756.316 | 2648.399 | 57393.29 | 4232.944 | 3664.081 |
| #3 | 1776.941 | 2642.509 | 58008.23 | 4231.923 | 3657.825 |

Sample Name: I3403-08      Acquired: 6/8/2017 18:13:49      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTQ5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000948 | -.000741 | -.000186 | -.001692 | .0003683 | .0020252 | -.000198 |
| Stddev | .002759  | .000687  | .000481  | .002040  | .0009406 | .0019655 | .000370  |
| %RSD   | 290.8777 | 92.74127 | 258.3247 | 120.5880 | 255.3940 | 97.05336 | 186.7635 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.004106 | -.000832 | -.000712 | -.000563 | -.000049 | .0008250 | -.000386 |
| #2 | .000261  | -.001377 | -.000078 | -.000466 | .001445  | .0042935 | -.000437 |
| #3 | .000999  | -.000013 | .000232  | -.004047 | -.000291 | .0009571 | .000228  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000201 | -.000039 | -.019198 | -.000204 | -.000278 | -.000263 | .0268952 |
| Stddev | .0000573 | .000042  | .006782  | .000176  | .000184  | .002602  | .0129044 |
| %RSD   | 284.5580 | 107.8120 | 35.32645 | 86.56701 | 66.45613 | 989.5978 | 47.98026 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000010 | -.000002 | -.026714 | -.000003 | -.000070 | -.002191 | .0346843 |
| #2 | .0000846 | -.000030 | -.017344 | -.000333 | -.000424 | -.001295 | .0340016 |
| #3 | -.000025 | -.000084 | -.013536 | -.000276 | -.000339 | .002697  | .0119997 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0016167 | .0025473 | -.000019 | .0002583 | .2017609 | -.001836 | -.003433 |
| Stddev | .0010380 | .0338102 | .000150  | .0001799 | .0398242 | .002063  | .010332  |
| %RSD   | 64.20232 | 1327.290 | 786.9763 | 69.65052 | 19.73833 | 112.3754 | 300.9534 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0027962 | .0245300 | -.000029 | .0003664 | .2332477 | -.001634 | -.006736 |
| #2 | .0012115 | .0194970 | -.000163 | .0000506 | .1569933 | -.003993 | -.011710 |
| #3 | .0008425 | -.036385 | .000135  | .0003578 | .2150417 | .000119  | .008146  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.721505 | .0033147 | -.009373 | -.000157 | -.056602 | -.002953 | -.000167 |
| Stddev | .025522  | .0009915 | .000652  | .000227  | .008830  | .000371  | .000132  |
| %RSD   | 3.537352 | 29.91170 | 6.952567 | 144.2790 | 15.60070 | 12.55111 | 79.19003 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.711508 | .0031028 | -.009086 | -.000009 | -.046706 | -.003168 | -.000123 |
| #2 | -.750512 | .0043949 | -.010119 | -.000418 | -.063678 | -.002525 | -.000315 |
| #3 | -.702495 | .0024462 | -.008914 | -.000045 | -.059423 | -.003165 | -.000062 |

Sample Name: I3403-08      Acquired: 6/8/2017 18:13:49      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTQ5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0005191 | -.003175 | .0000046 |
| Stddev | .0006480 | .001434  | .0000622 |
| %RSD   | 124.8311 | 45.18444 | 1339.939 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000202 | -.002338 | -.000051 |
| #2 | .001054  | -.002355 | .000072  |
| #3 | .000705  | -.004831 | -.000007 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1812.187 | 2759.241 | 60330.06 | 4506.248 | 4030.882 |
| Stddev    | 13.083   | 6.286    | 298.59   | 164.401  | 8.954    |
| %RSD      | .7219593 | .2278128 | .4949263 | 3.648297 | .2221284 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1801.668 | 2755.306 | 60012.72 | 4316.415 | 4027.232 |
| #2 | 1808.056 | 2755.926 | 60371.99 | 4600.572 | 4041.085 |
| #3 | 1826.837 | 2766.490 | 60605.47 | 4601.757 | 4024.331 |

Sample Name: I3403-09      Acquired: 6/8/2017 18:17:59      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTQ6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.002932 | -.001402 | .0128261 | -.002370 | .0015975 | .0052403 | .1167054 |
| Stddev | .002314  | .000776  | .0007120 | .001909  | .0008228 | .0069699 | .0005529 |
| %RSD   | 78.90469 | 55.32921 | 5.551341 | 80.54952 | 51.50414 | 133.0061 | .4737201 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.001314 | -.000506 | .0134726 | -.000910 | .0006705 | -.000885 | .1166263 |
| #2 | -.001901 | -.001840 | .0120630 | -.004530 | .0018805 | .003782  | .1172935 |
| #3 | -.005583 | -.001861 | .0129427 | -.001669 | .0022413 | .012824  | .1161963 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000068 | .0007345 | 49.07177 | -.004821 | .0034813 | .0009029 | 2.898226 |
| Stddev | .000057  | .0001535 | .33229   | .000111  | .0001982 | .0024378 | .013001  |
| %RSD   | 83.49306 | 20.89728 | .6771546 | 2.293336 | 5.694715 | 270.0009 | .4485680 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000029 | .0005756 | 49.45538 | -.004819 | .0032989 | -.001791 | 2.889621 |
| #2 | -.000133 | .0008819 | 48.87305 | -.004712 | .0034528 | .001543  | 2.891876 |
| #3 | -.000042 | .0007459 | 48.88687 | -.004933 | .0036923 | .002957  | 2.913181 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.262932 | 16.24676 | .0025764 | .0001328 | 18.14172 | -.005605 | 5.193031 |
| Stddev | .020325  | .12800   | .0002654 | .0004002 | .10010   | .000961  | .055844  |
| %RSD   | .6229029 | .7878322 | 10.30038 | 301.2883 | .5517814 | 17.15257 | 1.075362 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.286328 | 16.36994 | .0023047 | .0001013 | 18.23830 | -.005228 | 5.240287 |
| #2 | 3.252837 | 16.11444 | .0028350 | -.000251 | 18.14842 | -.004889 | 5.131407 |
| #3 | 3.249631 | 16.25590 | .0025894 | .000548  | 18.03843 | -.006697 | 5.207398 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.790964 | .0241186 | .0054541 | -.001056 | 127.5687 | 7.315443 | -.002598 |
| Stddev | .025241  | .0016866 | .0012504 | .000202  | .5646    | .017515  | .000846  |
| %RSD   | .9043996 | 6.992742 | 22.92649 | 19.14466 | .4425663 | .2394285 | 32.54960 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.818219 | .0226643 | .0043032 | -.001192 | 126.9782 | 7.334696 | -.001667 |
| #2 | 2.786284 | .0259674 | .0052744 | -.000824 | 127.6248 | 7.311180 | -.002807 |
| #3 | 2.768391 | .0237240 | .0067847 | -.001153 | 128.1031 | 7.300453 | -.003319 |



Sample Name: I3403-09      Acquired: 6/8/2017 18:17:59      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTQ6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000613 | -.001539 | .1369572 |
| Stddev | .000370  | .000846  | .0004575 |
| %RSD   | 60.27365 | 54.97638 | .3340227 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000206 | -.001164 | .1372759 |
| #2 | -.000705 | -.000945 | .1364330 |
| #3 | -.000928 | -.002508 | .1371627 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1737.282 | 2650.453 | 57531.51 | 4246.783 | 3674.640 |
| Stddev    | 11.638   | 17.357   | 72.76    | 19.723   | 18.702   |
| %RSD      | .6698945 | .6548734 | .1264741 | .4644291 | .5089560 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1725.120 | 2667.488 | 57555.00 | 4224.238 | 3693.514 |
| #2 | 1748.313 | 2651.079 | 57449.90 | 4255.268 | 3674.293 |
| #3 | 1738.414 | 2632.791 | 57589.62 | 4260.844 | 3656.114 |

Sample Name: I3403-10      Acquired: 6/8/2017 18:22:04      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTQ7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0001177 | -.001263 | .0221887 | -.002427 | .0012461 | .0133796 | .0421457 |
| Stddev | .0042510 | .001765  | .0001621 | .001837  | .0004171 | .0041888 | .0007892 |
| %RSD   | 3611.948 | 139.7753 | .7303193 | 75.71141 | 33.47250 | 31.30766 | 1.872535 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0044552 | -.001706 | .0222718 | -.003039 | .0014180 | .0123676 | .0430483 |
| #2 | -.004041 | -.002764 | .0222923 | -.003880 | .0007705 | .0179817 | .0418034 |
| #3 | -.000061 | .000682  | .0220019 | -.000362 | .0015497 | .0097894 | .0415855 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000043 | .0014338 | 22.64438 | -.000013 | -.000941 | .0028268 | .4115288 |
| Stddev | .0000489 | .0000330 | .53938   | .000319  | .000066  | .0031628 | .0167651 |
| %RSD   | 1131.389 | 2.304449 | 2.381981 | 2476.037 | 7.043643 | 111.8879 | 4.073854 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000291 | .0014560 | 23.26478 | -.000298 | -.000998 | .0063005 | .4170486 |
| #2 | .0000359 | .0014495 | 22.38172 | .000331  | -.000958 | .0020663 | .4248381 |
| #3 | -.000052 | .0013958 | 22.28663 | -.000072 | -.000868 | .0001135 | .3926998 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0873845 | 5.710470 | .0030269 | .0004517 | 3.619050 | -.003490 | .6514161 |
| Stddev | .0015632 | .168147  | .0001970 | .0002091 | .174473  | .002315  | .0078848 |
| %RSD   | 1.788895 | 2.944538 | 6.507680 | 46.30626 | 4.820950 | 66.31920 | 1.210415 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0890897 | 5.902582 | .0028753 | .0002562 | 3.510101 | -.003966 | .6604335 |
| #2 | .0870443 | 5.590061 | .0029559 | .0004266 | 3.820284 | -.005530 | .6458184 |
| #3 | .0860193 | 5.638768 | .0032496 | .0006722 | 3.526766 | -.000975 | .6479965 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .7970082 | .0224612 | .0079207 | -.000022 | 43.93810 | 8.385492 | -.002092 |
| Stddev | .0428388 | .0022785 | .0011593 | .000180  | .13250   | .185372  | .000448  |
| %RSD   | 5.374953 | 10.14415 | 14.63591 | 830.0653 | .3015620 | 2.210624 | 21.39101 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .8455409 | .0244684 | .0088282 | -.000117 | 43.98236 | 8.599001 | -.002417 |
| #2 | .7644593 | .0199845 | .0083192 | -.000133 | 44.04281 | 8.291896 | -.002278 |
| #3 | .7810245 | .0229306 | .0066147 | .000186  | 43.78914 | 8.265579 | -.001582 |

Sample Name: I3403-10      Acquired: 6/8/2017 18:22:04      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MJHTQ7      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0003582 | -.000004 | .0848452 |
| Stddev | .0014293 | .000756  | .0017623 |
| %RSD   | 399.0041 | 21440.79 | 2.077052 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000474 | .000420  | .0868668 |
| #2 | .002009  | -.000877 | .0836330 |
| #3 | -.000460 | .000446  | .0840359 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1771.733 | 2714.245 | 58586.76 | 4179.603 | 3871.478 |
| Stddev    | 7.161    | 8.309    | 215.35   | 83.654   | 11.137   |
| %RSD      | .4041865 | .3061211 | .3675687 | 2.001481 | .2876792 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1779.733 | 2715.081 | 58617.08 | 4083.024 | 3871.119 |
| #2 | 1765.921 | 2705.549 | 58357.87 | 4229.458 | 3860.523 |
| #3 | 1769.545 | 2722.104 | 58785.35 | 4226.326 | 3882.790 |

Sample Name: I3403-11      Acquired: 6/8/2017 18:26:11      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTQ8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000994 | -.000612 | -.000496 | .0005536 | .0023999 | .0019747 | -.000235 |
| Stddev | .0018422 | .000310  | .000675  | .0014032 | .0005430 | .0019893 | .000310  |
| %RSD   | 1853.490 | 50.58451 | 135.9048 | 253.4828 | 22.62439 | 100.7413 | 131.7144 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0012969 | -.000682 | -.001081 | .0004705 | .0018734 | .0015202 | -.000593 |
| #2 | .0010232 | -.000274 | .000242  | -.000806 | .0029579 | .0041519 | -.000070 |
| #3 | -.002022 | -.000881 | -.000649 | .001996  | .0023685 | .0002519 | -.000043 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000020 | .0000271 | -.014150 | -.000111 | -.000090 | .0015865 | .0172043 |
| Stddev | .0000649 | .0000575 | .002976  | .000051  | .000139  | .0015537 | .0111739 |
| %RSD   | 3169.762 | 212.0498 | 21.03507 | 45.52552 | 155.0029 | 97.93329 | 64.94848 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000073 | -.000001 | -.011465 | -.000168 | .000055  | .0012542 | .0147202 |
| #2 | .000039  | .000093  | -.013634 | -.000072 | -.000102 | .0032795 | .0294113 |
| #3 | .000040  | -.000011 | -.017351 | -.000094 | -.000222 | .0002258 | .0074815 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0001823 | -.015615 | -.000016 | .0000825 | .1544346 | -.003917 | .0001106 |
| Stddev | .0000791 | .012287  | .000258  | .0001453 | .0801531 | .002291  | .0144299 |
| %RSD   | 43.36766 | 78.68564 | 1632.190 | 176.2202 | 51.90097 | 58.48602 | 13043.06 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0002709 | -.010623 | .000250  | .0001271 | .1052077 | -.006521 | -.015354 |
| #2 | .0001572 | -.029613 | -.000032 | -.000080 | .1111729 | -.002213 | .013214  |
| #3 | .0001189 | -.006610 | -.000265 | .000200  | .2469233 | -.003016 | .002472  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.734382 | .0029162 | -.009697 | -.000272 | -.073848 | -.003678 | -.000737 |
| Stddev | .023787  | .0013488 | .000216  | .000077  | .009015  | .000995  | .000337  |
| %RSD   | 3.239090 | 46.25199 | 2.225394 | 28.18418 | 12.20764 | 27.05897 | 45.76049 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.708871 | .0027011 | -.009944 | -.000268 | -.066422 | -.002609 | -.000652 |
| #2 | -.755953 | .0016879 | -.009605 | -.000350 | -.071245 | -.003846 | -.000450 |
| #3 | -.738322 | .0043596 | -.009543 | -.000197 | -.083879 | -.004579 | -.001109 |

Sample Name: I3403-11      Acquired: 6/8/2017 18:26:11      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MJHTQ8      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0009315 | -.003971 | .0000456 |
| Stddev | .0002475 | .000688  | .0000564 |
| %RSD   | 26.56516 | 17.32194 | 123.5767 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0010221 | -.004455 | .0001093 |
| #2 | .0011209 | -.003183 | .0000253 |
| #3 | .0006515 | -.004275 | .0000022 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1826.134 | 2781.281 | 60253.06 | 4289.646 | 4057.974 |
| Stddev    | 11.097   | 6.533    | 56.16    | 21.165   | 8.258    |
| %RSD      | .6076733 | .2348861 | .0932113 | .4934024 | .2035051 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1823.096 | 2775.027 | 60208.98 | 4286.969 | 4055.122 |
| #2 | 1838.434 | 2788.061 | 60316.30 | 4269.946 | 4067.280 |
| #3 | 1816.873 | 2780.756 | 60233.92 | 4312.022 | 4051.519 |

Sample Name: I3403-12      Acquired: 6/8/2017 18:30:23      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTQ9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0002311 | -.000048 | .0101518 | -.001815 | .0006590 | .0053546 | .0155840 |
| Stddev | .0028427 | .000273  | .0004115 | .004076  | .0008597 | .0101467 | .0003633 |
| %RSD   | 1230.241 | 570.6159 | 4.053771 | 224.5640 | 130.4502 | 189.4932 | 2.330922 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000061 | .000189  | .0104493 | -.006519 | -.000266 | .0100675 | .0151669 |
| #2 | -.002454 | .000014  | .0103240 | .000419  | .000809  | -.006291 | .0158305 |
| #3 | .003208  | -.000347 | .0096822 | .000655  | .001434  | .012288  | .0157547 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000138 | .0005480 | 40.65072 | -.000994 | -.000840 | .0007528 | .5170215 |
| Stddev | .0000252 | .0001023 | .10139   | .000325  | .000149  | .0019744 | .0159282 |
| %RSD   | 183.4158 | 18.66466 | .2494147 | 32.75179 | 17.71388 | 262.2778 | 3.080756 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000008 | .0004929 | 40.55143 | -.000936 | -.000859 | .0011195 | .5004284 |
| #2 | .0000428 | .0004851 | 40.75408 | -.001344 | -.000682 | -.001379 | .5184473 |
| #3 | -.000002 | .0006660 | 40.64664 | -.000701 | -.000978 | .002518  | .5321889 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5742260 | 12.42930 | .0014688 | .0004761 | 8.836792 | -.002152 | .9468084 |
| Stddev | .0012510 | .14971   | .0002894 | .0001056 | .147443  | .002607  | .0059429 |
| %RSD   | .2178625 | 1.204477 | 19.70594 | 22.17833 | 1.668510 | 121.1319 | .6276726 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .5755555 | 12.46583 | .0013425 | .0003627 | 8.952064 | -.004883 | .9467837 |
| #2 | .5730720 | 12.26470 | .0017999 | .0005715 | 8.670649 | -.001882 | .9408779 |
| #3 | .5740505 | 12.55735 | .0012639 | .0004941 | 8.887662 | .000309  | .9527635 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.946989 | .0240213 | .0094925 | -.000582 | 90.75981 | 4.704223 | -.002320 |
| Stddev | .026737  | .0015740 | .0008121 | .000247  | .18498   | .021141  | .000842  |
| %RSD   | 1.373226 | 6.552437 | 8.555680 | 42.38187 | .2038088 | .4493973 | 36.28149 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.974874 | .0230615 | .0101723 | -.000305 | 90.93615 | 4.706272 | -.003285 |
| #2 | 1.921572 | .0258378 | .0085932 | -.000779 | 90.56726 | 4.682132 | -.001935 |
| #3 | 1.944520 | .0231647 | .0097122 | -.000663 | 90.77601 | 4.724264 | -.001740 |

Sample Name: I3403-12      Acquired: 6/8/2017 18:30:23      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MJHTQ9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000418 | -.001533 | .1169936 |
| Stddev | .000454  | .000789  | .0003617 |
| %RSD   | 108.6323 | 51.45068 | .3091443 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000163 | -.002036 | .1167958 |
| #2 | -.000942 | -.000624 | .1167740 |
| #3 | -.000148 | -.001941 | .1174111 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1780.981 | 2689.456 | 58320.40 | 4248.770 | 3771.483 |
| Stddev    | 3.147    | 8.548    | 75.73    | 7.373    | 10.793   |
| %RSD      | .1766956 | .3178499 | .1298576 | .1735245 | .2861630 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1783.975 | 2679.586 | 58348.27 | 4244.113 | 3759.652 |
| #2 | 1777.700 | 2694.264 | 58378.26 | 4257.270 | 3780.789 |
| #3 | 1781.267 | 2694.517 | 58234.68 | 4244.926 | 3774.008 |

Sample Name: CCV058      Acquired: 6/8/2017 18:39:03      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV058      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.892726 | 4.624486 | 23.30651 | 4.822741 | 4.937591 | 386.6125 |
| Stddev | .019929  | .013647  | .08815   | .002693  | .014864  | 3.5457   |
| %RSD   | .4073228 | .2951042 | .3781996 | .0558356 | .3010390 | .9171134 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.902688 | 4.615646 | 23.21833 | 4.819733 | 4.953204 | 385.7641 |
| #2 | 4.905710 | 4.617610 | 23.30657 | 4.823560 | 4.935957 | 390.5054 |
| #3 | 4.869780 | 4.640204 | 23.39461 | 4.824928 | 4.923611 | 383.5679 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 10.05921 | .4726389 | 2.353041 | 379.1518 | 14.47309 | 2.387643 |
| Stddev | .08461   | .0045003 | .009594  | 3.2263   | .04159   | .008048  |
| %RSD   | .8410877 | .9521698 | .4077183 | .8509164 | .2873481 | .3370533 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 10.04340 | .4719479 | 2.344240 | 379.6359 | 14.44258 | 2.378455 |
| #2 | 10.15061 | .4774447 | 2.351614 | 382.1086 | 14.52046 | 2.391032 |
| #3 | 9.98363  | .4685240 | 2.363268 | 375.7108 | 14.45624 | 2.393441 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 15.04588 | 379.7359 | 14.29431 | 386.9171 | 2.383747 | 1.235171 |
| Stddev | .14277   | 2.9584   | .13721   | 3.2739   | .009364  | .002901  |
| %RSD   | .9489196 | .7790580 | .9599234 | .8461438 | .3928087 | .2348497 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 14.99875 | 380.0808 | 14.33353 | 386.5288 | 2.377117 | 1.237194 |
| #2 | 15.20625 | 382.5067 | 14.40763 | 390.3679 | 2.379666 | 1.236473 |
| #3 | 14.93262 | 376.6202 | 14.14175 | 383.8547 | 2.394459 | 1.231848 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 387.3073 | 2.411325 | 15.26783 | 152.5392 | 5.040427 | F 3.984690 |
| Stddev | 2.3594   | .031082  | .05086   | 1.3375   | .029399  | .042362    |
| %RSD   | .6091680 | 1.288983 | .3331059 | .8768337 | .5832733 | 1.063109   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 387.5113 | 2.404950 | 15.26657 | 152.0838 | 5.045883 | 3.978275 |
| #2 | 389.5580 | 2.445100 | 15.21762 | 154.0449 | 5.008682 | 4.029893 |
| #3 | 384.8526 | 2.383925 | 15.31931 | 151.4888 | 5.066717 | 3.945901 |



Sample Name: CCV058      Acquired: 6/8/2017 18:39:03      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV058      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.806063 | 4.954119 | 4.722230 | 4.735848 | 4.875057 | 5.133728 |
| Stddev | .003555  | .033482  | .049524  | .019358  | .039304  | .044086  |
| %RSD   | .0739657 | .6758407 | 1.048739 | .4087493 | .8062220 | .8587584 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.809742 | 4.923551 | 4.716111 | 4.719789 | 4.859760 | 5.126549 |
| #2 | 4.805798 | 4.948902 | 4.774529 | 4.730412 | 4.919710 | 5.180963 |
| #3 | 4.802647 | 4.989903 | 4.676050 | 4.757342 | 4.845702 | 5.093672 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 5.041846 |
| Stddev | .052342  |
| %RSD   | 1.038158 |

|    |          |
|----|----------|
| #1 | 5.019204 |
| #2 | 5.101698 |
| #3 | 5.004637 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1482.433 | 2283.712 | 50643.93 | 3929.429 | 2624.668 |
| Stddev    | 5.334    | 9.316    | 157.53   | 34.267   | 4.798    |
| %RSD      | .3598434 | .4079223 | .3110538 | .8720595 | .1828039 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1481.793 | 2277.411 | 50490.48 | 3926.097 | 2628.298 |
| #2 | 1488.058 | 2279.312 | 50636.08 | 3896.950 | 2619.228 |
| #3 | 1477.447 | 2294.413 | 50805.24 | 3965.240 | 2626.477 |

Sample Name: CCB058      Acquired: 6/8/2017 18:42:50      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB058      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0001066 | .0010258 | -.000398 | .0004563 | .0013984 | -.001815 | -.000072 |
| Stddev | .0010508 | .0003751 | .000538  | .0006717 | .0011343 | .004919  | .000230  |
| %RSD   | 985.9210 | 36.56882 | 135.0331 | 147.2254 | 81.10910 | 270.9420 | 318.8925 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0002239 | .0013282 | -.000555 | .0007462 | .0012180 | -.007044 | -.000328 |
| #2 | -.000998 | .0006060 | -.000841 | .0009344 | .0003652 | .002720  | -.000006 |
| #3 | .001094  | .0011431 | .000201  | -.000312 | .0026121 | -.001122 | .000117  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000011 | .0000350 | -.010985 | .0000039 | -.000053 | .0019427 | .0108985 |
| Stddev | .000081  | .0001019 | .016532  | .0002188 | .000223  | .0014975 | .0044851 |
| %RSD   | 760.9625 | 291.2985 | 150.4935 | 5622.095 | 420.3334 | 77.08449 | 41.15366 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .000064  | .0000566 | -.019886 | -.000246 | .000169  | .0017446 | .0101747 |
| #2 | -.000097 | -.000076 | .008090  | .000095  | -.000052 | .0035294 | .0157015 |
| #3 | .000001  | .000124  | -.021159 | .000162  | -.000276 | .0005541 | .0068193 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0002142 | -.000956 | .0000108 | .0001036 | -.044437 | -.001628 | -.002295 |
| Stddev | .0002979 | .025491  | .0002107 | .0003496 | .070439  | .000325  | .020674  |
| %RSD   | 139.1196 | 2667.363 | 1959.314 | 337.3168 | 158.5170 | 19.97774 | 900.7075 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0004666 | .028159  | .0001422 | -.000292 | -.110370 | -.001452 | -.019995 |
| #2 | -.000114 | -.011766 | -.000232 | .000371  | -.052717 | -.001429 | .020427  |
| #3 | .000290  | -.019260 | .000122  | .000231  | .029777  | -.002003 | -.007318 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.012962 | .0023873 | .0026252 | .0000606 | .0348163 | -.003514 | -.000378 |
| Stddev | .037024  | .0002352 | .0007777 | .0000820 | .0073487 | .000437  | .000109  |
| %RSD   | 285.6410 | 9.853873 | 29.62556 | 135.3715 | 21.10717 | 12.43674 | 28.95319 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.016917 | .0023740 | .0035230 | .0001552 | .0345163 | -.003682 | -.000481 |
| #2 | .025882  | .0026289 | .0021936 | .0000100 | .0423104 | -.003018 | -.000263 |
| #3 | -.047850 | .0021590 | .0021589 | .0000166 | .0276221 | -.003843 | -.000390 |

Sample Name: CCB058      Acquired: 6/8/2017 18:42:50      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB058      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0006303 | .0003557 | .0001135 |
| Stddev | .0005934 | .0004936 | .0000249 |
| %RSD   | 94.14566 | 138.7899 | 21.90314 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0009421 | .0008371 | .0001417 |
| #2 | .0010026 | -.000149 | .0001036 |
| #3 | -.000054 | .000379  | .0000951 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1865.003 | 2862.817 | 61114.33 | 4236.967 | 4102.817 |
| Stddev    | 7.738    | 12.389   | 102.18   | 19.767   | 7.799    |
| %RSD      | .4149321 | .4327520 | .1671886 | .4665448 | .1900817 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1865.242 | 2848.627 | 61050.26 | 4224.650 | 4098.952 |
| #2 | 1857.147 | 2871.483 | 61060.57 | 4226.483 | 4111.793 |
| #3 | 1872.619 | 2868.341 | 61232.16 | 4259.767 | 4097.705 |

Sample Name: PB99462BL      Acquired: 6/8/2017 18:46:59      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      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    | -.001965 | -.000617 | -.000496 | .0010882 | .0012678 | -.004432 | -.000120 |
| Stddev | .001222  | .001556  | .000858  | .0039985 | .0006928 | .001475  | .000058  |
| %RSD   | 62.19694 | 252.4002 | 173.0085 | 367.4507 | 54.64745 | 33.28163 | 48.29750 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.001245 | -.002368 | -.000120 | -.000687 | .0010515 | -.006036 | -.000132 |
| #2 | -.001274 | .000608  | -.001477 | -.001716 | .0007089 | -.004129 | -.000170 |
| #3 | -.003376 | -.000090 | .000110  | .005667  | .0020429 | -.003132 | -.000057 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000028 | .0000788 | -.021300 | -.000194 | -.000047 | .0000725 | .0123082 |
| Stddev | .000016  | .0000962 | .008827  | .000344  | .000109  | .0014156 | .0143920 |
| %RSD   | 57.10262 | 122.0152 | 41.44340 | 177.6326 | 233.1901 | 1951.823 | 116.9303 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000031 | .0001521 | -.012129 | -.000268 | -.000090 | -.001405 | .0103793 |
| #2 | -.000042 | -.000030 | -.022032 | .000181  | .000077  | .000206  | .0275674 |
| #3 | -.000011 | .000114  | -.029738 | -.000494 | -.000128 | .001417  | -.001022 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0001548 | .0250035 | -.000059 | -.000146 | .0834018 | -.003792 | -.012887 |
| Stddev | .0002859 | .0116814 | .000067  | .000424  | .1213385 | .001414  | .015925  |
| %RSD   | 184.6718 | 46.71921 | 114.1977 | 290.1309 | 145.4867 | 37.28368 | 123.5770 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0001415 | .0131539 | .000008  | -.000450 | -.056524 | -.003977 | .003514  |
| #2 | .0004471 | .0253475 | -.000057 | -.000327 | .159585  | -.005104 | -.028289 |
| #3 | -.000124 | .0365091 | -.000127 | .000339  | .147144  | -.002295 | -.013886 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.034213 | .0031007 | -.001718 | -.000060 | .0103812 | -.004078 | -.000745 |
| Stddev | .026212  | .0024129 | .000516  | .000141  | .0094545 | .000138  | .000867  |
| %RSD   | 76.61509 | 77.81843 | 30.02911 | 237.0388 | 91.07301 | 3.379846 | 116.3279 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.064318 | .0003634 | -.001426 | -.000036 | .0188900 | -.004054 | -.001730 |
| #2 | -.016452 | .0040192 | -.001414 | -.000211 | .0002033 | -.003954 | -.000096 |
| #3 | -.021869 | .0049195 | -.002314 | .000068  | .0120503 | -.004227 | -.000410 |

Sample Name: PB99462BL      Acquired: 6/8/2017 18:46:59      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: PBS002      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000044 | -.000144 | .0000888 |
| Stddev | .000639  | .000534  | .0000194 |
| %RSD   | 1466.935 | 370.1467 | 21.81267 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .000504  | .000355  | .0000869 |
| #2 | .000110  | -.000708 | .0000705 |
| #3 | -.000745 | -.000080 | .0001091 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1859.452 | 2867.303 | 60841.59 | 4294.967 | 4113.320 |
| Stddev    | 16.236   | 8.898    | 530.34   | 21.510   | 7.503    |
| %RSD      | .8731762 | .3103214 | .8716679 | .5008122 | .1824071 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1867.075 | 2857.382 | 61051.15 | 4319.804 | 4108.057 |
| #2 | 1840.807 | 2869.947 | 60238.49 | 4282.501 | 4121.911 |
| #3 | 1870.473 | 2874.578 | 61235.13 | 4282.596 | 4109.992 |

Sample Name: PB99462BS      Acquired: 6/8/2017 18:51:09      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: LCS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0205429 | .0593549 | .0211490 | .0716095 | .1285194 | .4058421 |
| Stddev | .0021186 | .0017263 | .0002972 | .0022954 | .0004806 | .0088805 |
| %RSD   | 10.31322 | 2.908409 | 1.405087 | 3.205432 | .3739454 | 2.188174 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0188071 | .0584983 | .0211474 | .0697469 | .1290743 | .4122224 |
| #2 | .0229038 | .0582244 | .0208526 | .0741739 | .1282318 | .4096042 |
| #3 | .0199180 | .0613419 | .0214469 | .0709077 | .1282523 | .3956998 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4310025 | .0111624 | .0100042 | 10.33420 | .0235752 | .0966311 |
| Stddev | .0009622 | .0001302 | .0000282 | .05487   | .0001009 | .0000216 |
| %RSD   | .2232515 | 1.166078 | .2815343 | .5310031 | .4280685 | .0223645 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4320874 | .0111124 | .0100197 | 10.38466 | .0236791 | .0966416 |
| #2 | .4302525 | .0113101 | .0099717 | 10.34215 | .0235690 | .0966062 |
| #3 | .4306677 | .0110646 | .0100213 | 10.27578 | .0234775 | .0966455 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0545827 | .2382251 | .0336566 | 10.14943 | .0805621 | .0209585 |
| Stddev | .0022339 | .0148501 | .0003147 | .06083   | .0002256 | .0002044 |
| %RSD   | 4.092633 | 6.233642 | .9349955 | .5993901 | .2800480 | .9751687 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0547054 | .2400520 | .0338979 | 10.19817 | .0803514 | .0211402 |
| #2 | .0522900 | .2520772 | .0333006 | 10.08125 | .0808001 | .0209982 |
| #3 | .0567527 | .2225460 | .0337712 | 10.16887 | .0805347 | .0207372 |

|        |          |          |          |          |            |            |
|--------|----------|----------|----------|----------|------------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm        |
| Avg    | 10.26514 | .1138393 | .1221455 | 9.372493 | F .0278573 | F .0176546 |
| Stddev | .15069   | .0021872 | .0066410 | .008821  | .0005476   | .0008881   |
| %RSD   | 1.468006 | 1.921331 | 5.436951 | .0941170 | 1.965736   | 5.030525   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 10.34272 | .1125835 | .1189007 | 9.363164 | .0272331 | .0186704 |
| #2 | 10.09146 | .1163649 | .1177507 | 9.380699 | .0282569 | .0172686 |
| #3 | 10.36124 | .1125695 | .1297851 | 9.373615 | .0280818 | .0170248 |

Sample Name: PB99462BS      Acquired: 6/8/2017 18:51:09      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: LCS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0226121 | .5601480 | .2075036 | F .0121874 | .2158689 | .0974400 |
| Stddev | .0002010 | .0107447 | .0013042 | .0007115   | .0010718 | .0011842 |
| %RSD   | .8888227 | 1.918182 | .6285102 | 5.838239   | .4965244 | 1.215286 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0226822 | .5656905 | .2084328 | .0129592 | .2165604 | .0987741 |
| #2 | .0223855 | .5477638 | .2080653 | .0120452 | .2164121 | .0965133 |
| #3 | .0227687 | .5669896 | .2060126 | .0115576 | .2146342 | .0970325 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .2202447 |
| Stddev | .0004105 |
| %RSD   | .1864061 |

|    |          |
|----|----------|
| #1 | .2203106 |
| #2 | .2198052 |
| #3 | .2206183 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1826.376 | 2768.845 | 59613.93 | 4287.611 | 3888.333 |
| Stddev    | 10.134   | 2.690    | 114.82   | 13.510   | 3.957    |
| %RSD      | .5548636 | .0971427 | .1926002 | .3150835 | .1017762 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1817.349 | 2768.141 | 59623.28 | 4273.779 | 3884.477 |
| #2 | 1837.338 | 2771.817 | 59723.78 | 4288.282 | 3892.385 |
| #3 | 1824.442 | 2766.578 | 59494.72 | 4300.773 | 3888.137 |

Sample Name: I3427-01      Acquired: 6/8/2017 18:55:17      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MH0AA0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1972089 | -.007072 | .6070582 | -.022994 | .0067746 | 55.32578 |
| Stddev | .0055704 | .005508  | .0082053 | .003977  | .0007523 | .08501   |
| %RSD   | 2.824623 | 77.88687 | 1.351656 | 17.29452 | 11.10497 | .1536534 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1947097 | -.008249 | .6069035 | -.026515 | .0063021 | 55.42389 |
| #2 | .2035913 | -.011896 | .5989313 | -.018681 | .0076422 | 55.27953 |
| #3 | .1933258 | -.001070 | .6153398 | -.023785 | .0063796 | 55.27393 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | 2.042838 | .0055960 | .0172713 | F 1393.900 | .0983276 | .0425274 |
| Stddev | .006848  | .0000433 | .0001866 | 2.946      | .0005763 | .0004693 |
| %RSD   | .3352167 | .7731238 | 1.080594 | .2113164   | .5860703 | 1.103516 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.050722 | .0056061 | .0172489 | 1396.616 | .0984273 | .0427178 |
| #2 | 2.038364 | .0056333 | .0170968 | 1390.769 | .0977079 | .0419928 |
| #3 | 2.039430 | .0055485 | .0174681 | 1394.314 | .0988474 | .0428716 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.220303 | 94.90856 | 2.671076 | 84.48030 | .1117138 | -.002590 |
| Stddev | .006331  | .24693   | .002049  | .08732   | .0004731 | .000531  |
| %RSD   | .5187682 | .2601803 | .0767112 | .1033602 | .4235376 | 20.51711 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.225842 | 95.07051 | 2.668710 | 84.52309 | .1121098 | -.002489 |
| #2 | 1.221664 | 94.62435 | 2.672298 | 84.37984 | .1111898 | -.002116 |
| #3 | 1.213402 | 95.03083 | 2.672219 | 84.53797 | .1118418 | -.003165 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.194939 | .1738025 | .7072388 | 21.37489 | 10.57567 | -.216381 |
| Stddev | .097379  | .0027457 | .0247890 | .10459   | .09271   | .001902  |
| %RSD   | 4.436522 | 1.579772 | 3.505034 | .4893203 | .8765936 | .8789195 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.238111 | .1768611 | .7022659 | 21.48492 | 10.60826 | -.218433 |
| #2 | 2.083438 | .1715502 | .6853133 | 21.36299 | 10.47107 | -.214678 |
| #3 | 2.263269 | .1729963 | .7341373 | 21.27675 | 10.64768 | -.216033 |



Sample Name: I3427-01      Acquired: 6/8/2017 18:55:17      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MH0AA0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0178570 | 15.11033 | 3.061156 | .0153173 | 1.632318 | .1337210 |
| Stddev | .0003058 | .16145   | .002414  | .0011865 | .004150  | .0011524 |
| %RSD   | 1.712402 | 1.068506 | .0788513 | 7.746313 | .2542511 | .8617666 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0179302 | 15.10003 | 3.059675 | .0166860 | 1.637032 | .1339667 |
| #2 | .0181196 | 14.95426 | 3.063941 | .0145793 | 1.630706 | .1324655 |
| #3 | .0175213 | 15.27668 | 3.059852 | .0146866 | 1.629216 | .1347306 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 3.020272 |
| Stddev | .006003  |
| %RSD   | .1987643 |

|    |          |
|----|----------|
| #1 | 3.026956 |
| #2 | 3.018518 |
| #3 | 3.015340 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1694.469 | 2578.787 | 56159.53 | 4373.071 | 2725.153 |
| Stddev    | 20.475   | 7.795    | 454.62   | 15.267   | 13.539   |
| %RSD      | 1.208320 | .3022573 | .8095168 | .3491119 | .4968257 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1671.248 | 2571.217 | 55692.89 | 4361.648 | 2715.835 |
| #2 | 1709.924 | 2586.788 | 56601.10 | 4390.411 | 2740.684 |
| #3 | 1702.236 | 2578.356 | 56184.60 | 4367.154 | 2718.940 |

Sample Name: I3427-02      Acquired: 6/8/2017 18:59:17      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MH0AA1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1173738 | -.008889 | .5838181 | -.025871 | .0076255 | 58.84524 |
| Stddev | .0046990 | .001070  | .0027597 | .001832  | .0015778 | .12467   |
| %RSD   | 4.003430 | 12.03480 | .4726893 | 7.081584 | 20.69086 | .2118592 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1208964 | -.007981 | .5809237 | -.023883 | .0070768 | 58.72983 |
| #2 | .1120385 | -.010069 | .5841110 | -.027491 | .0063954 | 58.97746 |
| #3 | .1191865 | -.008618 | .5864196 | -.026238 | .0094044 | 58.82844 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | 1.639893 | .0055614 | .0168764 | F 1176.617 | .1246818 | .0488483 |
| Stddev | .002026  | .0000783 | .0000815 | 5.774      | .0013003 | .0002494 |
| %RSD   | .1235228 | 1.407998 | .4828153 | .4907650   | 1.042921 | .5105176 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.638042 | .0055973 | .0169669 | 1173.354 | .1240615 | .0485825 |
| #2 | 1.642057 | .0054716 | .0168088 | 1173.212 | .1261761 | .0490771 |
| #3 | 1.639581 | .0056153 | .0168535 | 1183.284 | .1238077 | .0488854 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .7515193 | 104.8077 | 3.060204 | 76.72707 | .1204545 | -.002603 |
| Stddev | .0025866 | .4494    | .009145  | .34641   | .0009586 | .000221  |
| %RSD   | .3441777 | .4288101 | .2988474 | .4514794 | .7958533 | 8.493213 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .7485413 | 104.6179 | 3.050206 | 76.39990 | .1193629 | -.002348 |
| #2 | .7528105 | 104.4844 | 3.062258 | 76.69136 | .1208412 | -.002740 |
| #3 | .7532060 | 105.3209 | 3.068148 | 77.08994 | .1211593 | -.002721 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.785898 | .1568062 | 1.325127 | 21.31305 | 13.30349 | -.237790 |
| Stddev | .111179  | .0048156 | .006185  | .04376   | .02919   | .004105  |
| %RSD   | 6.225372 | 3.071058 | .4667406 | .2053213 | .2193897 | 1.726385 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.757274 | .1512523 | 1.318565 | 21.33914 | 13.28406 | -.233569 |
| #2 | 1.691831 | .1598187 | 1.325967 | 21.33747 | 13.28935 | -.238032 |
| #3 | 1.908591 | .1593476 | 1.330849 | 21.26253 | 13.33705 | -.241769 |

Sample Name: I3427-02      Acquired: 6/8/2017 18:59:17      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MH0AA1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0134260 | 16.85315 | 4.400139 | .0037438 | 1.799309 | .1344334 |
| Stddev | .0002748 | .05674   | .014956  | .0013432 | .004121  | .0009741 |
| %RSD   | 2.047171 | .3366732 | .3399001 | 35.87831 | .2290238 | .7245850 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0137433 | 16.83852 | 4.391692 | .0029340 | 1.802938 | .1339315 |
| #2 | .0132591 | 16.80515 | 4.391318 | .0030031 | 1.794829 | .1355560 |
| #3 | .0132757 | 16.91576 | 4.417408 | .0052943 | 1.800161 | .1338125 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 2.255098 |
| Stddev | .004114  |
| %RSD   | .1824518 |

|    |          |
|----|----------|
| #1 | 2.252648 |
| #2 | 2.259848 |
| #3 | 2.252798 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1701.391 | 2603.688 | 56663.99 | 4414.844 | 2769.256 |
| Stddev    | 7.531    | 7.405    | 74.24    | 16.981   | 3.760    |
| %RSD      | .4426557 | .2843930 | .1310227 | .3846437 | .1357901 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1692.695 | 2599.470 | 56604.73 | 4425.377 | 2767.178 |
| #2 | 1705.709 | 2599.357 | 56639.97 | 4423.900 | 2766.993 |
| #3 | 1705.769 | 2612.238 | 56747.27 | 4395.254 | 2773.597 |

Sample Name: I3427-03      Acquired: 6/8/2017 19:03:18      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MH0AA2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.178790 | -.010261 | 4.042462 | -.041004 | .0298505 | 66.37014 | 1.904143 |
| Stddev | .004226  | .002080  | .011601  | .000868  | .0013933 | .26445   | .006166  |
| %RSD   | .3584683 | 20.27476 | .2869786 | 2.117517 | 4.667655 | .3984430 | .3238378 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.175911 | -.010454 | 4.052037 | -.040013 | .0299933 | 66.52716 | 1.908090 |
| #2 | 1.176818 | -.008091 | 4.029561 | -.041632 | .0311669 | 66.51844 | 1.907301 |
| #3 | 1.183641 | -.012239 | 4.045787 | -.041366 | .0283913 | 66.06482 | 1.897037 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0054120 | .0319361 | 304.7123 | .1553516 | .0678093 | .9729795 | 166.0933 |
| Stddev | .0001632 | .0000957 | 1.7114   | .0000491 | .0005328 | .0028924 | 1.0474   |
| %RSD   | 3.015396 | .2996698 | .5616319 | .0315767 | .7858101 | .2972722 | .6306030 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0055850 | .0320297 | 306.1558 | .1552952 | .0672901 | .9721889 | 167.2490 |
| #2 | .0052608 | .0318384 | 305.1594 | .1553846 | .0677832 | .9705646 | 165.8243 |
| #3 | .0053904 | .0319401 | 302.8218 | .1553749 | .0683548 | .9761850 | 165.2067 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.447812 | 67.08916 | .1499161 | .0001294 | 3.494676 | .2189856 | 4.492502 |
| Stddev | .022380  | .61640   | .0005778 | .0001261 | .079918  | .0013517 | .058097  |
| %RSD   | .6491109 | .9187791 | .3853895 | 97.49026 | 2.286840 | .6172341 | 1.293198 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.473272 | 67.77539 | .1503748 | .0002750 | 3.495250 | .2191943 | 4.463481 |
| #2 | 3.438917 | 66.90967 | .1492672 | .0000545 | 3.574305 | .2202207 | 4.454632 |
| #3 | 3.431248 | 66.58243 | .1501064 | .0000586 | 3.414473 | .2175417 | 4.559391 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 20.81814 | 14.74182 | -.373427 | .0211225 | 16.75090 | 5.999604 | .0440702 |
| Stddev | .02415   | .04873   | .003033  | .0003485 | .03399   | .047237  | .0003492 |
| %RSD   | .1159858 | .3305609 | .8121732 | 1.650097 | .2029060 | .7873353 | .7924390 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 20.83721 | 14.70854 | -.376250 | .0215162 | 16.78049 | 6.053648 | .0441370 |
| #2 | 20.82622 | 14.71917 | -.373811 | .0209977 | 16.71378 | 5.978967 | .0443812 |
| #3 | 20.79099 | 14.79776 | -.370221 | .0208535 | 16.75841 | 5.966197 | .0436924 |

Sample Name: I3427-03      Acquired: 6/8/2017 19:03:18      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MH0AA2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.055512 | .1367115 | .7814858 |
| Stddev | .013701  | .0013730 | .0026335 |
| %RSD   | .6665406 | 1.004288 | .3369897 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.057087 | .1381397 | .7831151 |
| #2 | 2.068357 | .1365934 | .7828947 |
| #3 | 2.041092 | .1354013 | .7784475 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1827.632 | 2759.347 | 61044.76 | 4613.781 | 3161.784 |
| Stddev    | 5.915    | 11.999   | 144.16   | 32.273   | 8.088    |
| %RSD      | .3236401 | .4348382 | .2361622 | .6994980 | .2558024 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1831.729 | 2762.227 | 61171.79 | 4577.045 | 3164.217 |
| #2 | 1830.315 | 2769.644 | 61074.41 | 4626.723 | 3168.376 |
| #3 | 1820.851 | 2746.171 | 60888.07 | 4637.574 | 3152.758 |

Sample Name: I3427-04      Acquired: 6/8/2017 19:07:19      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MH0AA3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2672638 | -.012922 | .6463998 | -.043177 | .0100945 | 94.82156 | 1.303794 |
| Stddev | .0047087 | .003202  | .0084194 | .003284  | .0001707 | .54705   | .008294  |
| %RSD   | 1.761830 | 24.77779 | 1.302503 | 7.604819 | 1.690704 | .5769261 | .6361642 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2726792 | -.015307 | .6471424 | -.040624 | .0101815 | 94.47211 | 1.298887 |
| #2 | .2641346 | -.014177 | .6376337 | -.042027 | .0102041 | 95.45200 | 1.313371 |
| #3 | .2649777 | -.009283 | .6544233 | -.046881 | .0098978 | 94.54056 | 1.299125 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0069045 | .0170021 | 572.2665 | .1418863 | .0812777 | .6203372 | 171.0516 |
| Stddev | .0000828 | .0004137 | 2.8482   | .0004222 | .0015929 | .0039116 | 1.2422   |
| %RSD   | 1.198898 | 2.433182 | .4976987 | .2975869 | 1.959779 | .6305667 | .7261923 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0068095 | .0169832 | 571.1001 | .1418504 | .0823709 | .6159812 | 170.3511 |
| #2 | .0069606 | .0165982 | 575.5127 | .1423253 | .0794501 | .6235496 | 172.4858 |
| #3 | .0069436 | .0174249 | 570.1867 | .1414831 | .0820120 | .6214807 | 170.3178 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.120229 | 165.4993 | .1677051 | -.005713 | 5.704840 | .2795646 | 1.027422 |
| Stddev | .026500  | 1.2350   | .0026926 | .000355  | .091325  | .0018810 | .025758  |
| %RSD   | .6431713 | .7462085 | 1.605583 | 6.213503 | 1.600834 | .6728262 | 2.507086 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.104358 | 164.7783 | .1689555 | -.006118 | 5.667308 | .2811781 | 1.017710 |
| #2 | 4.150822 | 166.9253 | .1646146 | -.005569 | 5.638260 | .2800169 | 1.056624 |
| #3 | 4.105508 | 164.7942 | .1695452 | -.005453 | 5.808951 | .2774986 | 1.007931 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 36.55340 | 12.01053 | -.379054 | .0068654 | 6.781127 | 1.546689 | -.001419 |
| Stddev | .24616   | .12985   | .002612  | .0001006 | .060334  | .008555  | .002718  |
| %RSD   | .6734145 | 1.081155 | .6890888 | 1.464999 | .8897395 | .5531279 | 191.5837 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 36.43685 | 12.07124 | -.379596 | .0068321 | 6.787228 | 1.547773 | -.004167 |
| #2 | 36.83618 | 11.86144 | -.381353 | .0067856 | 6.717973 | 1.554650 | .001269  |
| #3 | 36.38716 | 12.09891 | -.376214 | .0069784 | 6.838178 | 1.537643 | -.001358 |

Sample Name: I3427-04      Acquired: 6/8/2017 19:07:19      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MH0AA3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 3.141277 | .2995129 | 1.378049 |
| Stddev | .022068  | .0007661 | .005988  |
| %RSD   | .7025058 | .2557812 | .4345100 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 3.128012 | .2992083 | 1.374611 |
| #2 | 3.166752 | .3003845 | 1.384963 |
| #3 | 3.129069 | .2989460 | 1.374573 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1740.699 | 2656.437 | 58333.85 | 4498.026 | 2901.191 |
| Stddev    | 9.508    | 22.901   | 201.32   | 24.017   | 28.689   |
| %RSD      | .5462398 | .8620942 | .3451200 | .5339485 | .9888540 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1751.430 | 2635.672 | 58518.21 | 4504.689 | 2883.058 |
| #2 | 1737.343 | 2680.999 | 58119.04 | 4471.382 | 2934.267 |
| #3 | 1733.323 | 2652.640 | 58364.30 | 4518.009 | 2886.249 |

Sample Name: I3427-05      Acquired: 6/8/2017 19:11:21      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MH0AA4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2050771 | -.008834 | .6854006 | -.037700 | .0079184 | 84.13395 | 1.179237 |
| Stddev | .0021570 | .002062  | .0016787 | .001669  | .0003936 | .15564   | .000587  |
| %RSD   | 1.051801 | 23.34277 | .2449209 | 4.425868 | 4.970791 | .1849924 | .0497384 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2073948 | -.010572 | .6846467 | -.039440 | .0077976 | 84.16130 | 1.179625 |
| #2 | .2031284 | -.006556 | .6873241 | -.036114 | .0075994 | 83.96644 | 1.178562 |
| #3 | .2047081 | -.009374 | .6842311 | -.037547 | .0083583 | 84.27410 | 1.179524 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0061849 | .0146782 | 551.1208 | .1404821 | .0677037 | .5364121 | 149.9305 |
| Stddev | .0001125 | .0000437 | .9848    | .0002089 | .0002244 | .0038874 | .1699    |
| %RSD   | 1.819177 | .2975984 | .1786870 | .1487061 | .3313726 | .7246998 | .1133405 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0061417 | .0146928 | 550.0511 | .1402576 | .0674558 | .5408894 | 149.7868 |
| #2 | .0061003 | .0146291 | 551.3216 | .1406708 | .0678929 | .5344506 | 149.8866 |
| #3 | .0063126 | .0147127 | 551.9897 | .1405178 | .0677624 | .5338961 | 150.1180 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.558367 | 148.2985 | .1485480 | -.004626 | 5.024123 | .2328301 | 1.065164 |
| Stddev | .008060  | .1000    | .0005505 | .000330  | .122318  | .0008909 | .011528  |
| %RSD   | .2265135 | .0674044 | .3705798 | 7.135579 | 2.434607 | .3826359 | 1.082271 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.559007 | 148.1872 | .1480203 | -.005007 | 5.143366 | .2338570 | 1.077768 |
| #2 | 3.550006 | 148.3806 | .1485051 | -.004455 | 4.898947 | .2322644 | 1.055154 |
| #3 | 3.566088 | 148.3276 | .1491187 | -.004417 | 5.030058 | .2323689 | 1.062570 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 32.47444 | 10.63092 | -.317764 | .0062739 | 6.527538 | 1.834168 | .0015403 |
| Stddev | .11603   | .01943   | .002180  | .0002813 | .008767  | .004049  | .0007133 |
| %RSD   | .3573044 | .1827324 | .6859639 | 4.482957 | .1343023 | .2207595 | 46.30557 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 32.42333 | 10.64940 | -.317644 | .0065900 | 6.521388 | 1.833919 | .0021434 |
| #2 | 32.39273 | 10.63270 | -.320002 | .0060514 | 6.523649 | 1.838336 | .0017246 |
| #3 | 32.60725 | 10.61066 | -.315647 | .0061802 | 6.537576 | 1.830249 | .0007530 |



Sample Name: I3427-05      Acquired: 6/8/2017 19:11:21      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MH0AA4      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.827505 | .2739151 | 1.338731 |
| Stddev | .005636  | .0009231 | .001204  |
| %RSD   | .1993104 | .3369866 | .0899728 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.825749 | .2744325 | 1.339153 |
| #2 | 2.822957 | .2728494 | 1.337373 |
| #3 | 2.833810 | .2744634 | 1.339668 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1747.277 | 2674.170 | 58336.98 | 4462.424 | 2962.529 |
| Stddev    | 11.505   | 2.220    | 219.19   | 7.309    | 3.440    |
| %RSD      | .6584486 | .0830011 | .3757380 | .1637820 | .1161263 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1734.066 | 2676.470 | 58088.69 | 4453.988 | 2965.276 |
| #2 | 1752.668 | 2674.000 | 58418.57 | 4466.844 | 2963.641 |
| #3 | 1755.096 | 2672.040 | 58503.68 | 4466.441 | 2958.670 |

Sample Name: I3427-06      Acquired: 6/8/2017 19:15:23      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MH0AA4D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2058293 | -.009649 | .6857355 | -.038620 | .0081740 | 84.16884 | 1.173014 |
| Stddev | .0035912 | .000884  | .0050461 | .002335  | .0007669 | .70171   | .011357  |
| %RSD   | 1.744731 | 9.165039 | .7358665 | 6.044802 | 9.382586 | .8336909 | .9682281 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2020078 | -.008747 | .6815816 | -.039525 | .0087770 | 84.97544 | 1.186001 |
| #2 | .2091343 | -.010515 | .6842738 | -.040367 | .0084341 | 83.69883 | 1.168103 |
| #3 | .2063457 | -.009685 | .6913511 | -.035969 | .0073108 | 83.83226 | 1.164939 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0061923 | .0145349 | 551.5831 | .1404979 | .0680907 | .5310682 | 150.0842 |
| Stddev | .0001411 | .0000798 | 5.2454   | .0011494 | .0003058 | .0050346 | 1.5499   |
| %RSD   | 2.278115 | .5490129 | .9509677 | .8180674 | .4491365 | .9480070 | 1.032697 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0063270 | .0146058 | 557.3795 | .1394214 | .0677878 | .5368807 | 151.8434 |
| #2 | .0060456 | .0144485 | 547.1634 | .1417084 | .0680848 | .5280724 | 148.9198 |
| #3 | .0062041 | .0145505 | 550.2063 | .1403640 | .0683994 | .5282514 | 149.4894 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.553632 | 148.7505 | .1485345 | -.004590 | 5.083885 | .2392686 | 1.097745 |
| Stddev | .026900  | 1.3308   | .0011599 | .000818  | .052510  | .0038421 | .032377  |
| %RSD   | .7569782 | .8946256 | .7809042 | 17.82269 | 1.032862 | 1.605751 | 2.949383 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.584360 | 150.2862 | .1472822 | -.003658 | 5.047489 | .2433117 | 1.103797 |
| #2 | 3.534337 | 147.9371 | .1487492 | -.005190 | 5.144080 | .2388285 | 1.062769 |
| #3 | 3.542200 | 148.0281 | .1495720 | -.004922 | 5.060086 | .2356655 | 1.126669 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 32.32124 | 10.59447 | -.321426 | .0058724 | 6.519705 | 1.847148 | .0007386 |
| Stddev | .27863   | .06103   | .003998  | .0003208 | .044748  | .021470  | .0011836 |
| %RSD   | .8620630 | .5760381 | 1.243981 | 5.463301 | .6863565 | 1.162316 | 160.2512 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 32.63928 | 10.54880 | -.325799 | .0062234 | 6.488404 | 1.871053 | -.000597 |
| #2 | 32.20432 | 10.57083 | -.317957 | .0055943 | 6.570959 | 1.840883 | .001657  |
| #3 | 32.12012 | 10.66379 | -.320523 | .0057994 | 6.499752 | 1.829508 | .001156  |

Sample Name: I3427-06      Acquired: 6/8/2017 19:15:23      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MH0AA4D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.825178 | .2706349 | 1.336587 |
| Stddev | .018064  | .0035947 | .012907  |
| %RSD   | .6393806 | 1.328227 | .9656623 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.846035 | .2745511 | 1.351426 |
| #2 | 2.814600 | .2698683 | 1.330360 |
| #3 | 2.814897 | .2674855 | 1.327973 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1756.503 | 2686.470 | 58626.51 | 4462.576 | 2975.073 |
| Stddev    | 5.746    | 10.372   | 29.20    | 34.207   | 7.059    |
| %RSD      | .3271438 | .3860649 | .0497993 | .7665292 | .2372685 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1762.398 | 2697.930 | 58643.66 | 4423.169 | 2983.051 |
| #2 | 1756.195 | 2683.749 | 58643.08 | 4479.953 | 2972.529 |
| #3 | 1750.917 | 2677.730 | 58592.80 | 4484.606 | 2969.638 |

Sample Name: I3427-07      Acquired: 6/8/2017 19:19:25      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MH0AA4S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2746092 | .1158059 | .7223637 | .0511338 | .1971904 | 87.80165 | 5.038674 |
| Stddev | .0071140 | .0036757 | .0036073 | .0031398 | .0023934 | .10767   | .007753  |
| %RSD   | 2.590603 | 3.174020 | .4993681 | 6.140381 | 1.213767 | .1226285 | .1538751 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2827958 | .1132359 | .7222853 | .0540999 | .1959141 | 87.68041 | 5.034520 |
| #2 | .2711029 | .1200162 | .7187963 | .0478452 | .1957057 | 87.88612 | 5.047619 |
| #3 | .2699289 | .1141658 | .7260095 | .0514564 | .1999515 | 87.83842 | 5.033884 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0966212 | .1073568 | 552.8633 | .5038339 | 1.034386 | 1.005194 | 152.2299 |
| Stddev | .0003283 | .0001372 | 1.1763   | .0032150 | .002884  | .005161  | .3185    |
| %RSD   | .3397930 | .1277779 | .2127570 | .6381105 | .2788477 | .5133940 | .2092436 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0969971 | .1072185 | 553.5909 | .5067189 | 1.031788 | 1.010848 | 152.2652 |
| #2 | .0963904 | .1074928 | 551.5063 | .5003680 | 1.033880 | 1.000738 | 151.8952 |
| #3 | .0964762 | .1073592 | 553.4928 | .5044148 | 1.037490 | 1.003995 | 152.5293 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.498770 | 148.3435 | 1.116836 | .0395354 | 5.065696 | 1.199472 | 1.894942 |
| Stddev | .010649  | .4842    | .001728  | .0003200 | .115637  | .007611  | .022093  |
| %RSD   | .2367122 | .3264232 | .1547487 | .8092846 | 2.282744 | .6344982 | 1.165886 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.506969 | 148.2717 | 1.115703 | .0397750 | 4.932205 | 1.208258 | 1.888428 |
| #2 | 4.486734 | 147.8992 | 1.115978 | .0391721 | 5.129789 | 1.195228 | 1.919560 |
| #3 | 4.502607 | 148.8597 | 1.118825 | .0396592 | 5.135094 | 1.194930 | 1.876839 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 32.32771 | 10.59997 | -.324461 | .0057618 | 6.481128 | 2.304753 | .0024526 |
| Stddev | .14064   | .03010   | .003104  | .0002162 | .010585  | .013027  | .0014764 |
| %RSD   | .4350376 | .2840007 | .9566545 | 3.752723 | .1633171 | .5652369 | 60.19934 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 32.21434 | 10.58653 | -.327822 | .0059783 | 6.476210 | 2.318657 | .0041414 |
| #2 | 32.48509 | 10.57892 | -.321703 | .0057611 | 6.493277 | 2.292829 | .0018103 |
| #3 | 32.28371 | 10.63445 | -.323859 | .0055459 | 6.473897 | 2.302774 | .0014061 |

Sample Name: I3427-07      Acquired: 6/8/2017 19:19:25      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MH0AA4S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.830558 | .2715948 | 1.334888 |
| Stddev | .008069  | .0002662 | .002367  |
| %RSD   | .2850787 | .0980205 | .1773209 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.839156 | .2713111 | 1.332514 |
| #2 | 2.823149 | .2718392 | 1.337248 |
| #3 | 2.829368 | .2716340 | 1.334904 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1753.737 | 2673.504 | 58416.92 | 4450.803 | 2967.235 |
| Stddev    | 5.850    | 5.111    | 148.21   | 13.802   | 6.576    |
| %RSD      | .3335911 | .1911834 | .2537029 | .3101036 | .2216093 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1760.150 | 2668.124 | 58254.16 | 4440.369 | 2961.703 |
| #2 | 1752.371 | 2678.296 | 58544.08 | 4466.453 | 2974.505 |
| #3 | 1748.691 | 2674.090 | 58452.52 | 4445.587 | 2965.497 |

Sample Name: I3427-05LX5      Acquired: 6/8/2017 19:23:22      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MH0AA4L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0456453 | -.002629 | .1376247 | -.007522 | .0030102 | 17.34950 | .2502141 |
| Stddev | .0017147 | .001201  | .0019472 | .003049  | .0005234 | .08833   | .0018868 |
| %RSD   | 3.756571 | 45.67199 | 1.414878 | 40.52935 | 17.38857 | .5091130 | .7540714 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0460233 | -.003972 | .1391817 | -.006739 | .0029504 | 17.44439 | .2523665 |
| #2 | .0471394 | -.001659 | .1354414 | -.004942 | .0035610 | 17.26967 | .2488460 |
| #3 | .0437731 | -.002257 | .1382510 | -.010886 | .0025193 | 17.33445 | .2494296 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0013966 | .0025637 | 117.2919 | .0321912 | .0123098 | .1112180 | 32.94670 |
| Stddev | .0000240 | .0000360 | .6724    | .0001297 | .0000289 | .0029406 | .14537   |
| %RSD   | 1.718192 | 1.403650 | .5732338 | .4028817 | .2349558 | 2.643978 | .4412301 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0013746 | .0025799 | 117.6629 | .0320697 | .0122931 | .1145972 | 33.02222 |
| #2 | .0013930 | .0025225 | 116.5158 | .0321760 | .0122931 | .1098162 | 32.77911 |
| #3 | .0014222 | .0025888 | 117.6970 | .0323278 | .0123432 | .1092406 | 33.03877 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .7872424 | 30.91117 | .0297478 | -.000886 | 1.160658 | .0476250 | .2009670 |
| Stddev | .0048383 | .13926   | .0000828 | .000334  | .133304  | .0019495 | .0267260 |
| %RSD   | .6145933 | .4505094 | .2783226 | 37.65011 | 11.48519 | 4.093534 | 13.29870 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .7874441 | 30.87825 | .0297971 | -.000792 | 1.224946 | .0482292 | .1985481 |
| #2 | .7823064 | 30.79132 | .0296522 | -.001256 | 1.249635 | .0492009 | .1755327 |
| #3 | .7919767 | 31.06393 | .0297941 | -.000609 | 1.007394 | .0454449 | .2288203 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.431306 | 1.961157 | -.073341 | .0010278 | 1.211430 | .4024937 | -.001919 |
| Stddev | .019462  | .006269  | .001288  | .0000580 | .010393  | .0021369 | .000723  |
| %RSD   | .3026186 | .3196611 | 1.755692 | 5.646341 | .8578917 | .5309048 | 37.65201 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.448499 | 1.963169 | -.072233 | .0009994 | 1.199978 | .4048834 | -.001462 |
| #2 | 6.410176 | 1.954129 | -.074754 | .0010945 | 1.214048 | .4007666 | -.001543 |
| #3 | 6.435242 | 1.966174 | -.073036 | .0009894 | 1.220263 | .4018312 | -.002752 |

Sample Name: I3427-05LX5      Acquired: 6/8/2017 19:23:22      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MH0AA4L      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6079260 | .0541592 | .2861567 |
| Stddev | .0023258 | .0001626 | .0017962 |
| %RSD   | .3825782 | .3002203 | .6276828 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6072831 | .0542389 | .2882222 |
| #2 | .6059893 | .0539721 | .2852871 |
| #3 | .6105056 | .0542665 | .2849609 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1816.803 | 2763.136 | 59703.28 | 4311.419 | 3575.304 |
| Stddev    | 9.050    | 3.889    | 138.06   | 22.966   | 9.682    |
| %RSD      | .4981281 | .1407628 | .2312452 | .5326895 | .2708100 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1825.829 | 2765.448 | 59826.79 | 4286.739 | 3571.441 |
| #2 | 1816.850 | 2765.315 | 59728.83 | 4332.163 | 3586.321 |
| #3 | 1807.729 | 2758.646 | 59554.23 | 4315.356 | 3568.149 |

Sample Name: I3427-08      Acquired: 6/8/2017 19:27:30      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MH0AA5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1128773 | -.006779 | .8118181 | -.031956 | .0110515 | 78.53811 | 1.234923 |
| Stddev | .0010884 | .002727  | .0074639 | .004252  | .0002192 | .23502   | .008817  |
| %RSD   | .9641932 | 40.23525 | .9194071 | 13.30609 | 1.983541 | .2992473 | .7139983 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1116244 | -.009841 | .8041458 | -.029497 | .0109096 | 78.78668 | 1.244824 |
| #2 | .1135886 | -.004612 | .8190545 | -.036866 | .0109409 | 78.50816 | 1.232025 |
| #3 | .1134190 | -.005883 | .8122542 | -.029506 | .0113039 | 78.31950 | 1.227919 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0055684 | .0178660 | 196.1453 | .1125469 | .0613901 | .4648551 | 132.5022 |
| Stddev | .0001029 | .0001165 | .6840    | .0007787 | .0001033 | .0055505 | .6438    |
| %RSD   | 1.848220 | .6521361 | .3486974 | .6919014 | .1682153 | 1.194039 | .4858436 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0055239 | .0177318 | 196.5120 | .1118078 | .0613932 | .4672765 | 133.0980 |
| #2 | .0054953 | .0179415 | 196.5678 | .1124728 | .0614918 | .4585052 | 132.5892 |
| #3 | .0056861 | .0179246 | 195.3562 | .1133600 | .0612854 | .4687836 | 131.8194 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.442814 | 71.18046 | .1176932 | -.002263 | 1.804653 | .1988688 | 1.012074 |
| Stddev | .003672  | .34652   | .0014457 | .000100  | .027519  | .0053605 | .012956  |
| %RSD   | .1066663 | .4868200 | 1.228342 | 4.411488 | 1.524878 | 2.695499 | 1.280153 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.447055 | 71.56509 | .1160660 | -.002366 | 1.824743 | .1947945 | 1.018004 |
| #2 | 3.440645 | 70.89265 | .1188296 | -.002167 | 1.773287 | .1968705 | 1.021003 |
| #3 | 3.440744 | 71.08364 | .1181840 | -.002257 | 1.815928 | .2049414 | .997214  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 30.29417 | 9.912077 | -.287844 | .0067334 | 10.11660 | 2.095000 | .0015774 |
| Stddev | .08428   | .057885  | .002146  | .0002511 | .07076   | .002449  | .0010679 |
| %RSD   | .2782119 | .5839817 | .7453889 | 3.729793 | .6994632 | .1168913 | 67.69650 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 30.30467 | 9.847877 | -.285409 | .0064656 | 10.03741 | 2.094630 | .0003523 |
| #2 | 30.37270 | 9.960285 | -.289456 | .0069637 | 10.17364 | 2.097612 | .0023112 |
| #3 | 30.20512 | 9.928068 | -.288666 | .0067710 | 10.13874 | 2.092756 | .0020687 |



Sample Name: I3427-08      Acquired: 6/8/2017 19:27:30      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MH0AA5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.592521 | .1670569 | .5458692 |
| Stddev | .011001  | .0011776 | .0018313 |
| %RSD   | .4243394 | .7049123 | .3354866 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.599794 | .1678180 | .5478966 |
| #2 | 2.597903 | .1676523 | .5453759 |
| #3 | 2.579865 | .1657005 | .5443350 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1844.096 | 2801.685 | 61248.21 | 4638.311 | 3265.253 |
| Stddev    | 1.688    | 3.315    | 113.99   | 18.447   | 10.425   |
| %RSD      | .0915148 | .1183244 | .1861161 | .3977135 | .3192575 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1846.044 | 2803.043 | 61283.72 | 4620.184 | 3277.057 |
| #2 | 1843.166 | 2804.106 | 61340.22 | 4637.688 | 3257.309 |
| #3 | 1843.078 | 2797.907 | 61120.68 | 4657.063 | 3261.392 |

Sample Name: I3427-09      Acquired: 6/8/2017 19:31:30      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MH0AA6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0615374 | -.005256 | .3089599 | -.026264 | .0033831 | 61.12570 |
| Stddev | .0035022 | .001741  | .0031412 | .004722  | .0023147 | .31447   |
| %RSD   | 5.691113 | 33.12711 | 1.016704 | 17.97880 | 68.41972 | .5144654 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0652754 | -.007261 | .3122835 | -.031229 | .0060392 | 60.94517 |
| #2 | .0610048 | -.004374 | .3060401 | -.025731 | .0023129 | 61.48882 |
| #3 | .0583321 | -.004133 | .3085562 | -.021830 | .0017971 | 60.94312 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | 1.676948 | .0053196 | .0079913 | F 898.6574 | .1485895 | .0462612 |
| Stddev | .006219  | .0000954 | .0000425 | 4.0848     | .0005112 | .0004867 |
| %RSD   | .3708297 | 1.793532 | .5321101 | .4545421   | .3440680 | 1.051988 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.672310 | .0053751 | .0080164 | 900.0467 | .1481727 | .0462957 |
| #2 | 1.684015 | .0053743 | .0080153 | 901.8664 | .1491600 | .0467296 |
| #3 | 1.674521 | .0052094 | .0079422 | 894.0592 | .1484359 | .0457582 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2941173 | 94.66909 | 4.208133 | 107.9286 | .1087921 | -.003772 |
| Stddev | .0004950 | .30873   | .022438  | .3186    | .0002730 | .000398  |
| %RSD   | .1682894 | .3261125 | .5332115 | .2951850 | .2509633 | 10.56285 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2938239 | 94.88871 | 4.221068 | 108.0571 | .1085779 | -.003322 |
| #2 | .2946888 | 94.80247 | 4.221108 | 108.1629 | .1090995 | -.004081 |
| #3 | .2938393 | 94.31610 | 4.182224 | 107.5659 | .1086988 | -.003912 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.639359 | .1928832 | .5474404 | 15.78003 | 11.57825 | -.215294 |
| Stddev | .095719  | .0033583 | .0286869 | .05600   | .02593   | .000976  |
| %RSD   | 2.630115 | 1.741115 | 5.240177 | .3548703 | .2239749 | .4535464 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.546683 | .1898341 | .5211647 | 15.71564 | 11.60481 | -.215889 |
| #2 | 3.737856 | .1923329 | .5431104 | 15.81730 | 11.55299 | -.215826 |
| #3 | 3.633539 | .1964827 | .5780461 | 15.80716 | 11.57695 | -.214167 |

Sample Name: I3427-09      Acquired: 6/8/2017 19:31:30      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MH0AA6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0098429 | 10.09792 | 1.975128 | -.000274 | 1.595704 | .1223538 |
| Stddev | .0003244 | .03768   | .011168  | .001432  | .003578  | .0010125 |
| %RSD   | 3.296174 | .3731833 | .5654420 | 522.8079 | .2242073 | .8275159 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0094716 | 10.13288 | 1.982983 | .001243  | 1.595775 | .1223500 |
| #2 | .0099852 | 10.05801 | 1.980059 | -.000463 | 1.599245 | .1233682 |
| #3 | .0100719 | 10.10288 | 1.962344 | -.001602 | 1.592091 | .1213432 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 1.057027 |
| Stddev | .005305  |
| %RSD   | .5018992 |

|    |          |
|----|----------|
| #1 | 1.053004 |
| #2 | 1.063039 |
| #3 | 1.055038 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1747.240 | 2673.184 | 58114.17 | 4490.756 | 2879.562 |
| Stddev    | 12.228   | 6.058    | 191.42   | 24.607   | 6.524    |
| %RSD      | .6998235 | .2266065 | .3293876 | .5479427 | .2265478 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1761.356 | 2666.478 | 58317.95 | 4480.754 | 2872.275 |
| #2 | 1740.468 | 2678.260 | 57938.13 | 4472.726 | 2884.860 |
| #3 | 1739.898 | 2674.813 | 58086.44 | 4518.789 | 2881.550 |

Sample Name: I3427-10      Acquired: 6/8/2017 19:35:30      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MH0AA7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0877617 | -.004669 | .3934326 | -.028405 | .0085702 | 82.77640 |
| Stddev | .0034795 | .000436  | .0027875 | .000994  | .0002149 | .24662   |
| %RSD   | 3.964694 | 9.336919 | .7085076 | 3.500885 | 2.508021 | .2979318 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0908377 | -.004166 | .3913092 | -.027601 | .0084156 | 82.55007 |
| #2 | .0884622 | -.004916 | .3923994 | -.028097 | .0084792 | 82.73988 |
| #3 | .0839853 | -.004926 | .3965892 | -.029517 | .0088156 | 83.03923 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | 1.507621 | .0058683 | .0086754 | F 909.7620 | .1414766 | .0578327 |
| Stddev | .009297  | .0000225 | .0000892 | 2.0763     | .0012903 | .0005010 |
| %RSD   | .6166464 | .3836868 | 1.028577 | .2282295   | .9120128 | .8662468 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.497870 | .0058601 | .0085724 | 912.1484 | .1429154 | .0572694 |
| #2 | 1.508607 | .0058511 | .0087239 | 908.3688 | .1410925 | .0580001 |
| #3 | 1.516385 | .0058938 | .0087299 | 908.7689 | .1404220 | .0582285 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2711058 | 110.5021 | 2.957166 | 83.79247 | .1215040 | -.001760 |
| Stddev | .0013128 | .3610    | .011117  | .05786   | .0008320 | .000294  |
| %RSD   | .4842252 | .3267287 | .3759172 | .0690499 | .6847214 | 16.70038 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2714197 | 110.8340 | 2.969812 | 83.77889 | .1205526 | -.001617 |
| #2 | .2696645 | 110.5545 | 2.948935 | 83.74260 | .1218649 | -.001564 |
| #3 | .2722331 | 110.1177 | 2.952751 | 83.85591 | .1220946 | -.002098 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.263796 | .2001346 | .7063949 | 19.31673 | 9.426059 | -.194702 |
| Stddev | .098298  | .0039343 | .0223423 | .10617   | .020685  | .001312  |
| %RSD   | 2.305410 | 1.965799 | 3.162866 | .5496073 | .2194475 | .6740352 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.203165 | .2046687 | .6938241 | 19.22809 | 9.411545 | -.193356 |
| #2 | 4.377211 | .1976232 | .6931696 | 19.28771 | 9.416888 | -.195978 |
| #3 | 4.211014 | .1981120 | .7321908 | 19.43439 | 9.449745 | -.194770 |

Sample Name: I3427-10      Acquired: 6/8/2017 19:35:30      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MH0AA7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0085789 | 33.67181 | 2.641564 | .0045191 | 2.405300 | .1243665 |
| Stddev | .0003218 | .05880   | .003037  | .0016963 | .002240  | .0007427 |
| %RSD   | 3.751393 | .1746247 | .1149785 | 37.53733 | .0931353 | .5971637 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0083380 | 33.61236 | 2.638065 | .0063906 | 2.403637 | .1235206 |
| #2 | .0089444 | 33.67312 | 2.643114 | .0040840 | 2.407848 | .1249117 |
| #3 | .0084543 | 33.72994 | 2.643514 | .0030826 | 2.404417 | .1246671 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 1.705703 |
| Stddev | .005521  |
| %RSD   | .3236870 |

|    |          |
|----|----------|
| #1 | 1.699817 |
| #2 | 1.706524 |
| #3 | 1.710767 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1773.111 | 2702.663 | 58738.58 | 4512.453 | 2895.057 |
| Stddev    | 4.821    | 9.491    | 176.09   | 6.060    | 9.040    |
| %RSD      | .2718950 | .3511703 | .2997859 | .1342934 | .3122565 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1767.875 | 2705.436 | 58682.59 | 4509.986 | 2900.443 |
| #2 | 1774.091 | 2710.459 | 58597.28 | 4508.017 | 2900.108 |
| #3 | 1777.366 | 2692.094 | 58935.85 | 4519.358 | 2884.621 |

Sample Name: I3427-11      Acquired: 6/8/2017 19:39:31      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MH0AA8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1019413 | -.012161 | 1.434403 | -.037311 | .0146021 | 89.10886 | 1.756662 |
| Stddev | .0062359 | .001992  | .005219  | .004075  | .0012320 | .18608   | .002091  |
| %RSD   | 6.117142 | 16.38354 | .3638190 | 10.92230 | 8.437155 | .2088259 | .1190320 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1079387 | -.013590 | 1.428793 | -.032786 | .0131935 | 89.31189 | 1.758802 |
| #2 | .1023936 | -.013007 | 1.435300 | -.038453 | .0154792 | 88.94642 | 1.756560 |
| #3 | .0954915 | -.009885 | 1.439114 | -.040693 | .0151334 | 89.06827 | 1.754624 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0062904 | .0171842 | 279.2123 | .1411198 | .0702929 | .5599497 | 146.6342 |
| Stddev | .0000543 | .0001769 | .7309    | .0006810 | .0001154 | .0038189 | .3506    |
| %RSD   | .8634892 | 1.029670 | .2617780 | .4825948 | .1642325 | .6820049 | .2390821 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0062433 | .0170103 | 279.3994 | .1407883 | .0702967 | .5564237 | 146.3544 |
| #2 | .0062781 | .0171782 | 279.8314 | .1406681 | .0701757 | .5640061 | 147.0275 |
| #3 | .0063498 | .0173640 | 278.4060 | .1419032 | .0704064 | .5594192 | 146.5207 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.238939 | 90.70451 | .1418319 | -.003425 | 3.718985 | .2029490 | 1.179451 |
| Stddev | .014691  | .27723   | .0002696 | .000377  | .075904  | .0025553 | .010161  |
| %RSD   | .3465771 | .3056438 | .1900580 | 11.01526 | 2.040985 | 1.259092 | .8615402 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.248313 | 90.65156 | .1421096 | -.003252 | 3.784384 | .2038537 | 1.190776 |
| #2 | 4.246497 | 91.00440 | .1415713 | -.003166 | 3.635752 | .2000644 | 1.171129 |
| #3 | 4.222008 | 90.45757 | .1418148 | -.003858 | 3.736819 | .2049289 | 1.176449 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 36.36214 | 12.85187 | -.285350 | .0128776 | 14.57034 | 2.245555 | .0227138 |
| Stddev | .10797   | .01525   | .001330  | .0003402 | .05320   | .006081  | .0006636 |
| %RSD   | .2969335 | .1186224 | .4662588 | 2.641898 | .3651311 | .2707860 | 2.921492 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 36.47875 | 12.83467 | -.286151 | .0128530 | 14.57513 | 2.246300 | .0232693 |
| #2 | 36.34206 | 12.86372 | -.286085 | .0132295 | 14.62098 | 2.251228 | .0219790 |
| #3 | 36.26562 | 12.85720 | -.283814 | .0125504 | 14.51490 | 2.239136 | .0228930 |

Sample Name: I3427-11      Acquired: 6/8/2017 19:39:31      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MH0AA8      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.105851 | .1959942 | .7877608 |
| Stddev | .003588  | .0014064 | .0026120 |
| %RSD   | .1703740 | .7175918 | .3315692 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.102494 | .1975564 | .7906909 |
| #2 | 2.105427 | .1948286 | .7869149 |
| #3 | 2.109632 | .1955977 | .7856766 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1839.180 | 2784.325 | 61348.29 | 4675.391 | 3154.049 |
| Stddev    | 8.017    | 5.695    | 184.18   | 13.087   | 3.046    |
| %RSD      | .4358963 | .2045434 | .3002151 | .2799025 | .0965606 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1845.077 | 2790.668 | 61466.35 | 4670.719 | 3157.371 |
| #2 | 1842.412 | 2779.649 | 61442.46 | 4665.282 | 3151.390 |
| #3 | 1830.052 | 2782.659 | 61136.07 | 4690.172 | 3153.384 |

Sample Name: I3427-12      Acquired: 6/8/2017 19:43:32      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MH0AA9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .6289410 | -.006952 | 1.433680 | -.029603 | .0126823 | 84.65407 | 1.285101 |
| Stddev | .0041030 | .003117  | .002210  | .003726  | .0004006 | .26467   | .001371  |
| %RSD   | .6523609 | 44.83320 | .1541194 | 12.58615 | 3.158965 | .3126528 | .1066608 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .6288844 | -.003780 | 1.431796 | -.033285 | .0129168 | 84.65523 | 1.286130 |
| #2 | .6330719 | -.007066 | 1.433132 | -.029691 | .0129103 | 84.91817 | 1.285627 |
| #3 | .6248666 | -.010010 | 1.436112 | -.025834 | .0122197 | 84.38882 | 1.283545 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0056484 | .0204350 | 277.8726 | .1231299 | .0574635 | .5905898 | 132.4464 |
| Stddev | .0000417 | .0000801 | 1.0652   | .0008710 | .0003481 | .0024507 | .8243    |
| %RSD   | .7390583 | .3921406 | .3833256 | .7073740 | .6057803 | .4149527 | .6223392 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0056187 | .0203441 | 277.8850 | .1241302 | .0573010 | .5918110 | 131.9565 |
| #2 | .0056961 | .0204656 | 278.9315 | .1225393 | .0572263 | .5921899 | 133.3981 |
| #3 | .0056304 | .0204954 | 276.8013 | .1227202 | .0578631 | .5877684 | 131.9848 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.843685 | 79.23605 | .1149265 | .0080438 | 3.383338 | .1841289 | 1.065543 |
| Stddev | .016851  | .33778   | .0001678 | .0001587 | .085014  | .0053714 | .026515  |
| %RSD   | .4383959 | .4262912 | .1459984 | 1.972632 | 2.512715 | 2.917171 | 2.488421 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.836536 | 78.95534 | .1147620 | .0081104 | 3.449197 | .1901113 | 1.038234 |
| #2 | 3.862932 | 79.61091 | .1149201 | .0078627 | 3.287366 | .1797199 | 1.091185 |
| #3 | 3.831589 | 79.14190 | .1150974 | .0081584 | 3.413450 | .1825556 | 1.067211 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 30.94452 | 13.32112 | -.277869 | .0038514 | 7.548328 | 2.035465 | .0104641 |
| Stddev | .05620   | .04737   | .001256  | .0001635 | .051716  | .016903  | .0015945 |
| %RSD   | .1816312 | .3556318 | .4519631 | 4.244748 | .6851373 | .8304052 | 15.23807 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 30.93680 | 13.28126 | -.276419 | .0037579 | 7.513861 | 2.044851 | .0108281 |
| #2 | 31.00419 | 13.37349 | -.278554 | .0037561 | 7.523327 | 2.045592 | .0118451 |
| #3 | 30.89258 | 13.30860 | -.278633 | .0040402 | 7.607794 | 2.015952 | .0087190 |



Sample Name: I3427-12      Acquired: 6/8/2017 19:43:32      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MH0AA9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.747054 | .1848588 | .6957219 |
| Stddev | .003723  | .0008690 | .0023372 |
| %RSD   | .1355167 | .4700770 | .3359396 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.747229 | .1850597 | .6962269 |
| #2 | 2.750686 | .1856097 | .6977653 |
| #3 | 2.743247 | .1839069 | .6931735 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1817.382 | 2767.932 | 60548.68 | 4591.336 | 3170.393 |
| Stddev    | 7.723    | 6.406    | 224.86   | 25.121   | 7.299    |
| %RSD      | .4249493 | .2314451 | .3713686 | .5471334 | .2302220 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1820.759 | 2772.617 | 60289.40 | 4593.963 | 3177.843 |
| #2 | 1822.842 | 2760.632 | 60690.28 | 4565.005 | 3163.255 |
| #3 | 1808.546 | 2770.547 | 60666.35 | 4615.040 | 3170.081 |

Sample Name: I3427-13      Acquired: 6/8/2017 19:47:32      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MH0AB0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1552217 | -.007952 | .5084734 | -.027267 | .0085930 | 72.69985 |
| Stddev | .0017581 | .001368  | .0026898 | .004899  | .0003269 | .38734   |
| %RSD   | 1.132642 | 17.19741 | .5289882 | 17.96679 | 3.804148 | .5327955 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1561563 | -.009480 | .5063192 | -.027819 | .0089655 | 72.31177 |
| #2 | .1563152 | -.006842 | .5114882 | -.022116 | .0083539 | 72.70133 |
| #3 | .1531937 | -.007535 | .5076130 | -.031867 | .0084595 | 73.08645 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | 1.633342 | .0058545 | .0149971 | F 894.8848 | .1169656 | .0544067 |
| Stddev | .012446  | .0001030 | .0001306 | 2.9178     | .0002069 | .0008431 |
| %RSD   | .7620212 | 1.759562 | .8706452 | .3260508   | .1768478 | 1.549655 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.620928 | .0059325 | .0148490 | 891.9523 | .1168491 | .0535437 |
| #2 | 1.633278 | .0057377 | .0150465 | 894.9143 | .1168434 | .0552284 |
| #3 | 1.645821 | .0058933 | .0150957 | 897.7877 | .1172045 | .0544479 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .6872497 | 114.4293 | 3.123945 | 73.44846 | .1276983 | -.003288 |
| Stddev | .0021214 | .2454    | .011234  | .39253   | .0017653 | .000255  |
| %RSD   | .3086759 | .2144464 | .3596008 | .5344345 | 1.382385 | 7.753281 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .6848205 | 114.1516 | 3.111542 | 73.03170 | .1256759 | -.003541 |
| #2 | .6881907 | 114.5193 | 3.126855 | 73.50251 | .1284886 | -.003293 |
| #3 | .6887377 | 114.6170 | 3.133437 | 73.81117 | .1289303 | -.003031 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.130422 | .1760885 | .6517083 | 29.50547 | 12.90419 | -.251125 |
| Stddev | .171905  | .0072234 | .0166902 | .23082   | .14989   | .001370  |
| %RSD   | 8.069069 | 4.102144 | 2.560993 | .7823096 | 1.161548 | .5455480 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.026418 | .1685056 | .6582103 | 29.25217 | 12.74955 | -.249746 |
| #2 | 2.036004 | .1768714 | .6641690 | 29.56029 | 13.04883 | -.252486 |
| #3 | 2.328844 | .1828886 | .6327457 | 29.70394 | 12.91418 | -.251141 |

Sample Name: I3427-13      Acquired: 6/8/2017 19:47:32      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MH0AB0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0131485 | 11.58317 | 2.073043 | .0019805 | 2.390454 | .1678337 |
| Stddev | .0004944 | .12514   | .008468  | .0009697 | .009679  | .0011755 |
| %RSD   | 3.760458 | 1.080333 | .4084788 | 48.96376 | .4048910 | .7004145 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0127284 | 11.44173 | 2.064088 | .0019361 | 2.379561 | .1667180 |
| #2 | .0136934 | 11.67950 | 2.080921 | .0029716 | 2.393733 | .1677222 |
| #3 | .0130238 | 11.62828 | 2.074120 | .0010337 | 2.398067 | .1690611 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 1.784967 |
| Stddev | .010146  |
| %RSD   | .5684202 |

|    |          |
|----|----------|
| #1 | 1.773377 |
| #2 | 1.789280 |
| #3 | 1.792244 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1752.254 | 2658.251 | 58159.03 | 4498.175 | 2876.496 |
| Stddev    | 1.570    | 17.389   | 128.07   | 10.909   | 20.467   |
| %RSD      | .0895743 | .6541668 | .2202151 | .2425295 | .7115320 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1753.948 | 2674.587 | 58019.27 | 4509.444 | 2895.907 |
| #2 | 1750.849 | 2639.971 | 58187.02 | 4487.665 | 2855.115 |
| #3 | 1751.965 | 2660.195 | 58270.79 | 4497.416 | 2878.465 |

Sample Name: CCV059      Acquired: 6/8/2017 19:51:35      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV059      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.831902 | 4.562151 | 22.99871 | 4.777595 | 4.910306 | 386.6206 |
| Stddev | .009093  | .018634  | .07636   | .004754  | .016532  | .4928    |
| %RSD   | .1881969 | .4084438 | .3320045 | .0995036 | .3366798 | .1274623 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.842114 | 4.554729 | 22.93822 | 4.783082 | 4.929366 | 386.2694 |
| #2 | 4.824681 | 4.583352 | 23.08451 | 4.774997 | 4.899858 | 386.4085 |
| #3 | 4.828911 | 4.548371 | 22.97340 | 4.774708 | 4.901694 | 387.1839 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 10.07641 | .4845740 | 2.341486 | 382.7478 | 14.47140 | 2.371930 |
| Stddev | .01163   | .0007202 | .008142  | 1.3806   | .04506   | .005484  |
| %RSD   | .1154620 | .1486305 | .3477413 | .3607088 | .3113620 | .2312168 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 10.08983 | .4842711 | 2.333559 | 381.9808 | 14.42799 | 2.366160 |
| #2 | 10.07027 | .4840546 | 2.349827 | 381.9210 | 14.51794 | 2.377075 |
| #3 | 10.06914 | .4853962 | 2.341072 | 384.3416 | 14.46826 | 2.372555 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 14.80171 | 384.6799 | 14.29354 | 387.0684 | 2.370688 | 1.238559 |
| Stddev | .01193   | .4159    | .03228   | 1.7064   | .006508  | .000482  |
| %RSD   | .0805938 | .1081118 | .2258060 | .4408427 | .2745144 | .0389357 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 14.81537 | 384.7324 | 14.28662 | 385.5793 | 2.363860 | 1.238281 |
| #2 | 14.79333 | 384.2403 | 14.26528 | 386.6955 | 2.376819 | 1.239116 |
| #3 | 14.79642 | 385.0671 | 14.32871 | 388.9304 | 2.371387 | 1.238280 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 387.9567 | 2.392945 | 14.48940 | 151.3595 | 4.924674 | F 4.065278 |
| Stddev | 1.2464   | .011508  | .14063   | .4470    | .001533  | .002144    |
| %RSD   | .3212665 | .4809287 | .9705625 | .2952965 | .0311273 | .0527514   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 386.6505 | 2.381721 | 14.55301 | 151.1357 | 4.924609 | 4.067634 |
| #2 | 388.0865 | 2.392398 | 14.32821 | 151.0687 | 4.926238 | 4.063441 |
| #3 | 389.1331 | 2.404718 | 14.58699 | 151.8742 | 4.923174 | 4.064758 |

Sample Name: CCV059      Acquired: 6/8/2017 19:51:35      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV059      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.784648 | 4.808615 | 4.781805 | 4.743226 | 4.828905 | 5.110496 |
| Stddev | .006906  | .027448  | .022439  | .007873  | .011266  | .004677  |
| %RSD   | .1443415 | .5708074 | .4692550 | .1659778 | .2333125 | .0915209 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.792622 | 4.833738 | 4.763521 | 4.737718 | 4.817111 | 5.105493 |
| #2 | 4.780561 | 4.812786 | 4.775048 | 4.752243 | 4.830049 | 5.111236 |
| #3 | 4.780760 | 4.779320 | 4.806846 | 4.739717 | 4.839556 | 5.114759 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 4.977004 |
| Stddev | .002602  |
| %RSD   | .0522875 |

|    |          |
|----|----------|
| #1 | 4.980002 |
| #2 | 4.975328 |
| #3 | 4.975681 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1521.011 | 2319.220 | 51352.09 | 3912.284 | 2677.861 |
| Stddev    | 9.172    | 10.057   | 163.79   | 7.934    | 3.844    |
| %RSD      | .6030437 | .4336409 | .3189559 | .2028075 | .1435468 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1510.978 | 2308.162 | 51169.47 | 3906.556 | 2673.423 |
| #2 | 1528.967 | 2327.822 | 51400.83 | 3921.340 | 2680.166 |
| #3 | 1523.086 | 2321.675 | 51485.99 | 3908.956 | 2679.994 |

Sample Name: CCB059      Acquired: 6/8/2017 19:55:21      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB059      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0016824 | -.000402 | -.000318 | -.000985 | .0005599 | .0123361 | .0000136 |
| Stddev | .0019377 | .000669  | .000585  | .001306  | .0006882 | .0080433 | .0000549 |
| %RSD   | 115.1734 | 166.4707 | 183.7815 | 132.6428 | 122.8979 | 65.20094 | 404.5780 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0031929 | -.000323 | -.000933 | -.000377 | -.000220 | .0176382 | .0000122 |
| #2 | .0023568 | .000224  | -.000253 | -.002484 | .001083  | .0162889 | -.000041 |
| #3 | -.000502 | -.001107 | .000231  | -.000093 | .000817  | .0030813 | .000069  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000032 | -.000015 | .0015949 | -.000118 | -.000175 | .0016558 | .0267955 |
| Stddev | .000084  | .000046  | .0056381 | .000179  | .000162  | .0015565 | .0022922 |
| %RSD   | 267.2694 | 310.2386 | 353.5188 | 151.2373 | 92.42214 | 94.00732 | 8.554398 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000045 | -.000053 | .0067748 | -.000148 | -.000292 | -.000141 | .0270827 |
| #2 | .000059  | .000036  | .0024203 | .000074  | .000010  | .002602  | .0289306 |
| #3 | -.000108 | -.000028 | -.004410 | -.000280 | -.000244 | .002506  | .0243732 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0006153 | -.043859 | .0001590 | -.000077 | .2266808 | -.002929 | -.001752 |
| Stddev | .0007365 | .039328  | .0002278 | .000199  | .1422667 | .000427  | .012222  |
| %RSD   | 119.6887 | 89.67036 | 143.2081 | 259.7686 | 62.76078 | 14.58892 | 697.8247 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0014656 | -.030922 | -.000103 | .000040  | .1997803 | -.003274 | -.012966 |
| #2 | .0001777 | -.012628 | .000274  | .000036  | .3804774 | -.003062 | .011276  |
| #3 | .0002026 | -.088026 | .000307  | -.000307 | .0997848 | -.002451 | -.003564 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0509905 | .0023951 | -.000429 | -.000073 | -.008525 | -.003839 | -.000308 |
| Stddev | .0962463 | .0013576 | .000996  | .000048  | .013188  | .000309  | .000236  |
| %RSD   | 188.7533 | 56.68436 | 232.3197 | 65.18881 | 154.7008 | 8.054446 | 76.67157 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1586189 | .0027702 | .000082  | -.000112 | -.007350 | -.004007 | -.000256 |
| #2 | -.026812 | .0035257 | -.001577 | -.000020 | -.022260 | -.003482 | -.000103 |
| #3 | .021164  | .0008893 | .000209  | -.000088 | .004037  | -.004027 | -.000567 |

Sample Name: CCB059      Acquired: 6/8/2017 19:55:21      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v30)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB059      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0003668 | -.000251 | .0001848 |
| Stddev | .0014930 | .001648  | .0000264 |
| %RSD   | 407.0156 | 656.6421 | 14.29529 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0020867 | .000934  | .0002141 |
| #2 | -.000595 | .000445  | .0001628 |
| #3 | -.000391 | -.002132 | .0001775 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1907.646 | 2877.763 | 61574.58 | 4250.412 | 4152.178 |
| Stddev    | 15.067   | 11.191   | 278.72   | 20.734   | 10.532   |
| %RSD      | .7898389 | .3888616 | .4526610 | .4878208 | .2536408 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1921.252 | 2868.871 | 61679.25 | 4228.443 | 4142.177 |
| #2 | 1891.452 | 2874.090 | 61785.82 | 4253.155 | 4151.188 |
| #3 | 1910.234 | 2890.329 | 61258.68 | 4269.639 | 4163.170 |