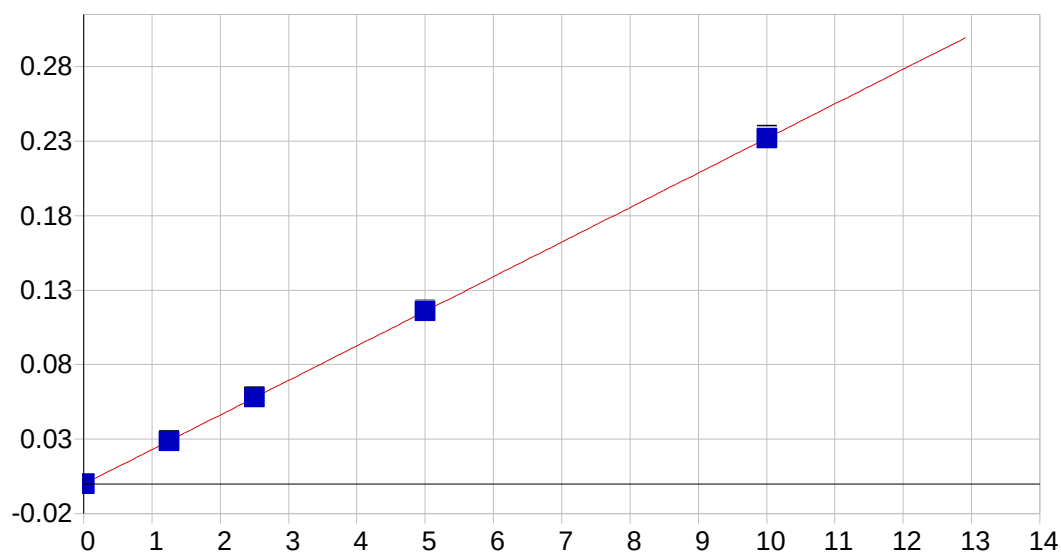




As 189.042 {479}

Date of Fit: 6/4/2018 13:11:08

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000199

Re-Slope: 1.000000

A1 (Gain): 0.023204

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999997

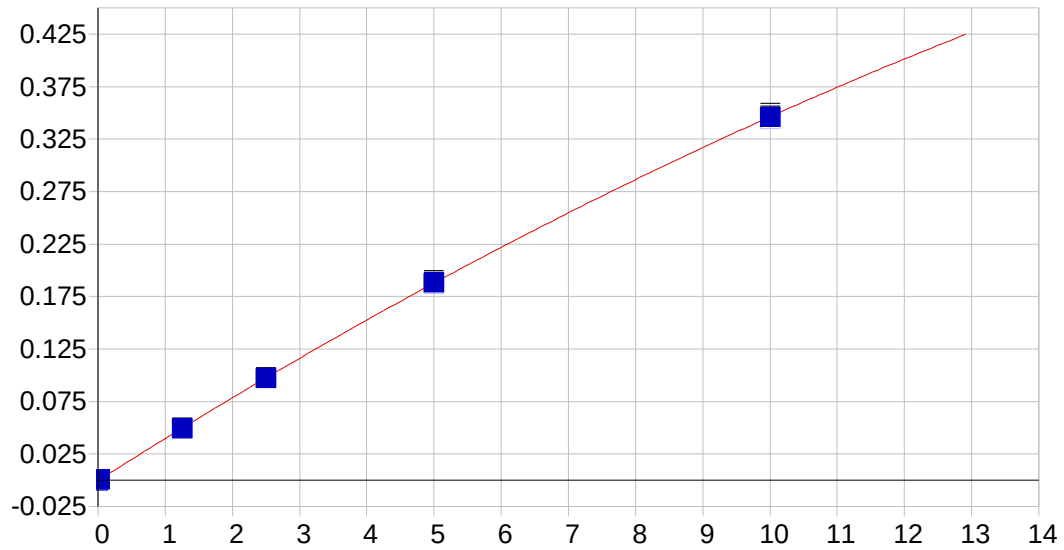
Status: OK.

Std Error of Est: 0.000001

Predicted MDL: 0.004127

Predicted MQL: 0.013756

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00020 | .000    | 1        |
| S1        | .01000       | .01088      | .001       | 8.81    | .00005  | .000    | 1        |
| S2        | 1.2500       | 1.2433      | -.007      | -.535   | .02872  | .000    | 1        |
| S3        | 2.5000       | 2.5046      | .005       | .185    | .05806  | .000    | 1        |
| S4        | 5.0000       | 5.0023      | .002       | .047    | .11615  | .001    | 1        |
| S5        | 10.000       | 9.9988      | -.001      | -.012   | .23236  | .002    | 1        |



TI 190.856 {477}

Date of Fit: 6/4/2018 13:11:08

Type of Fit: Curvilinear

Weighting: 1/Conc

A0 (Offset): -0.000280

Re-Slope: 1.000000

A1 (Gain): 0.040594

Y-int: 0.000000

A2 (Curvature): -0.000594

n (Exponent): 1.000000

Correlation: 1.000000

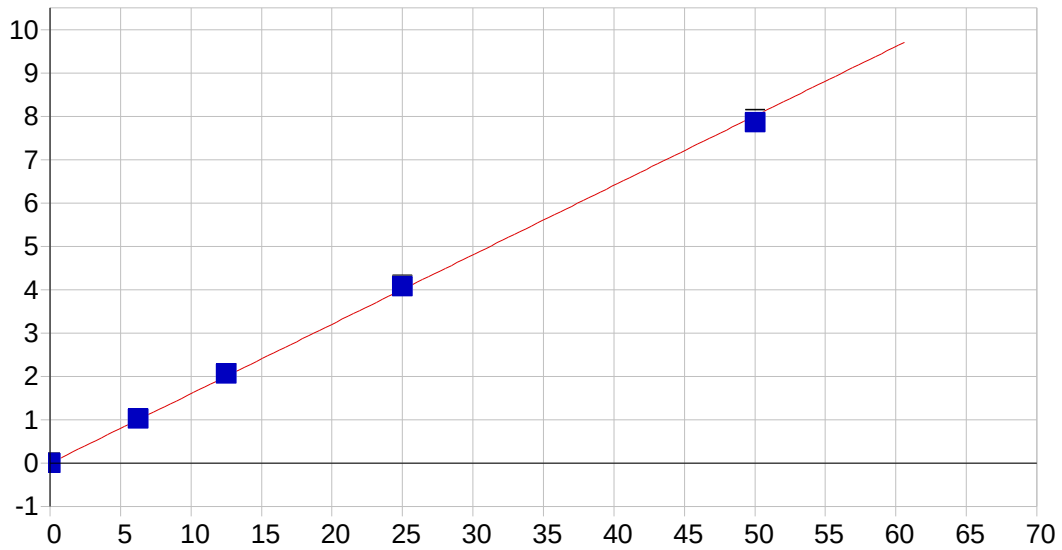
Status: OK.

Std Error of Est: 0.000001

Predicted MDL: 0.002276

Predicted MQL: 0.007588

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00028 | .000    | 1        |
| S1        | .02500       | .02513      | .000       | .519    | .00072  | .000    | 1        |
| S2        | 1.2500       | 1.2481      | -.002      | -.152   | .04915  | .000    | 1        |
| S3        | 2.5000       | 2.4987      | -.001      | -.054   | .09683  | .000    | 1        |
| S4        | 5.0000       | 5.0057      | .006       | .113    | .18681  | .002    | 1        |
| S5        | 10.000       | 9.9974      | -.003      | -.026   | .34372  | .004    | 1        |

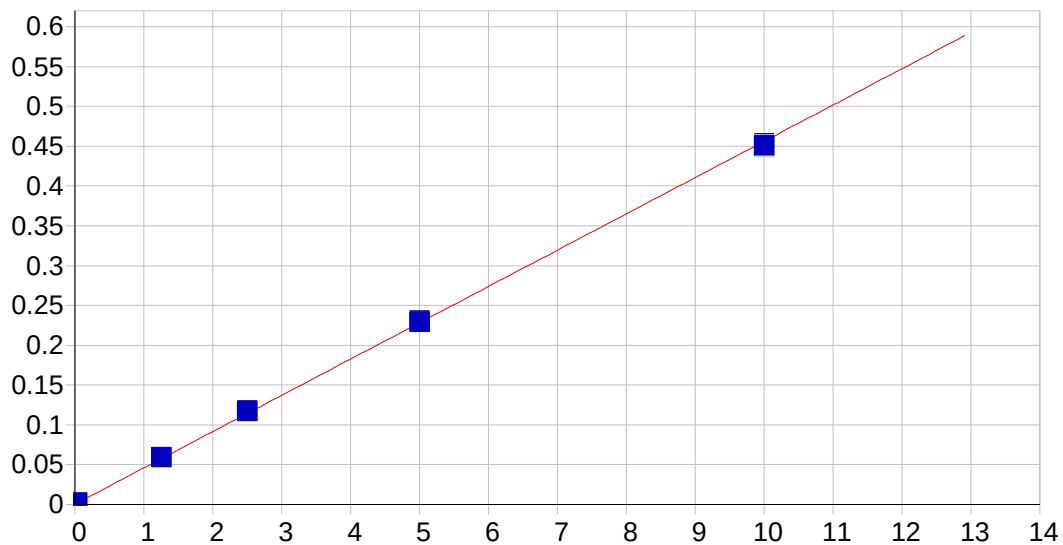


Pb 220.353 {453}

Date of Fit: 6/4/2018 13:11:08 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000070 Re-Slope: 1.000000  
 A1 (Gain): 0.160144 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999783 Status: OK.  
 Std Error of Est: 0.000125  
 Predicted MDL: 0.001579  
 Predicted MQL: 0.005264

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00007 | .000    | 1        |
| S1        | .01000       | .00820      | -.002      | -18.0   | .00139 | .000    | 1        |
| S2        | 6.2500       | 6.3920      | .142       | 2.27    | 1.0253 | .005    | 1        |
| S3        | 12.500       | 12.853      | .353       | 2.82    | 2.0615 | .005    | 1        |
| S4        | 25.000       | 25.469      | .469       | 1.88    | 4.0850 | .023    | 1        |
| S5        | 50.000       | 49.038      | -.962      | -1.92   | 7.8658 | .062    | 1        |



Date of Fit: 6/4/2018 13:11:08

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000356

Re-Slope: 1.000000

A1 (Gain): 0.045573

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999878

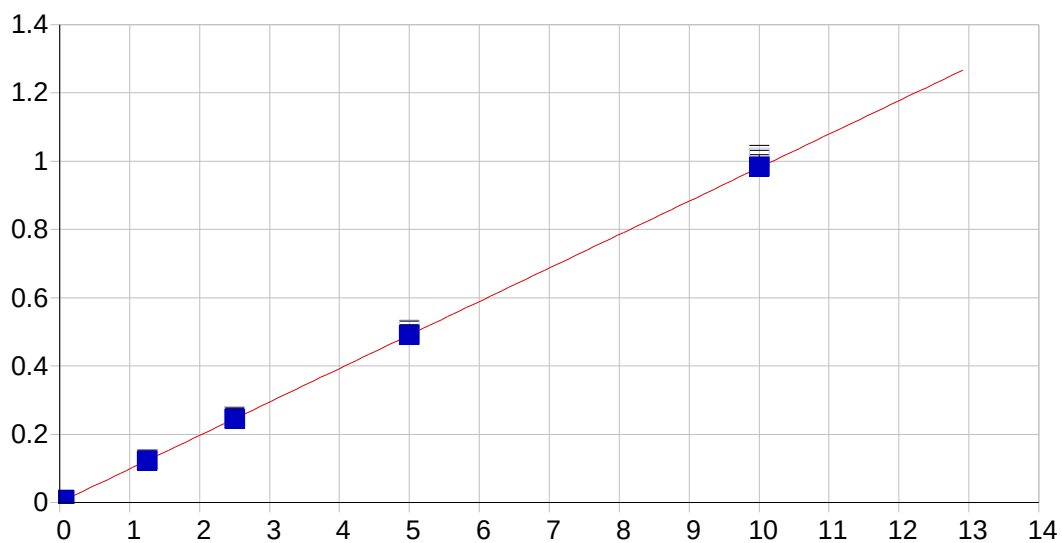
Status: OK.

Std Error of Est: 0.000022

Predicted MDL: 0.003240

Predicted MQL: 0.010801

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00036 | .000    | 1        |
| S1        | .03500       | .03289      | -.002      | -6.03   | .00185 | .000    | 1        |
| S2        | 1.2500       | 1.2887      | .039       | 3.10    | .05882 | .000    | 1        |
| S3        | 2.5000       | 2.5586      | .059       | 2.34    | .11642 | .001    | 1        |
| S4        | 5.0000       | 5.0324      | .032       | .648    | .22863 | .001    | 1        |
| S5        | 10.000       | 9.8724      | -.128      | -1.28   | .44814 | .003    | 1        |



Sb 206.833 {463}

Date of Fit: 6/4/2018 13:11:08

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000294

Re-Slope: 1.000000

A1 (Gain): 0.098086

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999996

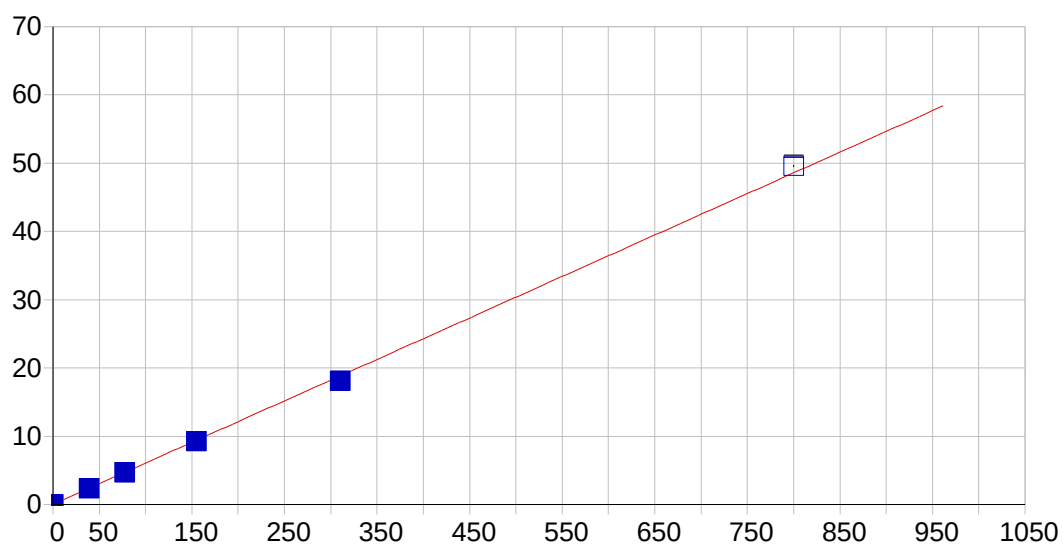
Status: OK.

Std Error of Est: 0.000012

Predicted MDL: 0.001726

Predicted MQL: 0.005755

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00029 | .000    | 1        |
| S1        | .06000       | .05841      | -.002      | -2.65   | .00602 | .000    | 1        |
| S2        | 1.2500       | 1.2405      | -.010      | -.763   | .12531 | .000    | 1        |
| S3        | 2.5000       | 2.4957      | -.004      | -.170   | .25177 | .000    | 1        |
| S4        | 5.0000       | 4.9938      | -.006      | -.123   | .50348 | .002    | 1        |
| S5        | 10.000       | 10.022      | .022       | .215    | 1.0100 | .007    | 1        |



AI 396.152 { 85}

Date of Fit: 6/4/2018 13:11:08

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000456

Re-Slope: 1.000000

A1 (Gain): 0.060731

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999676

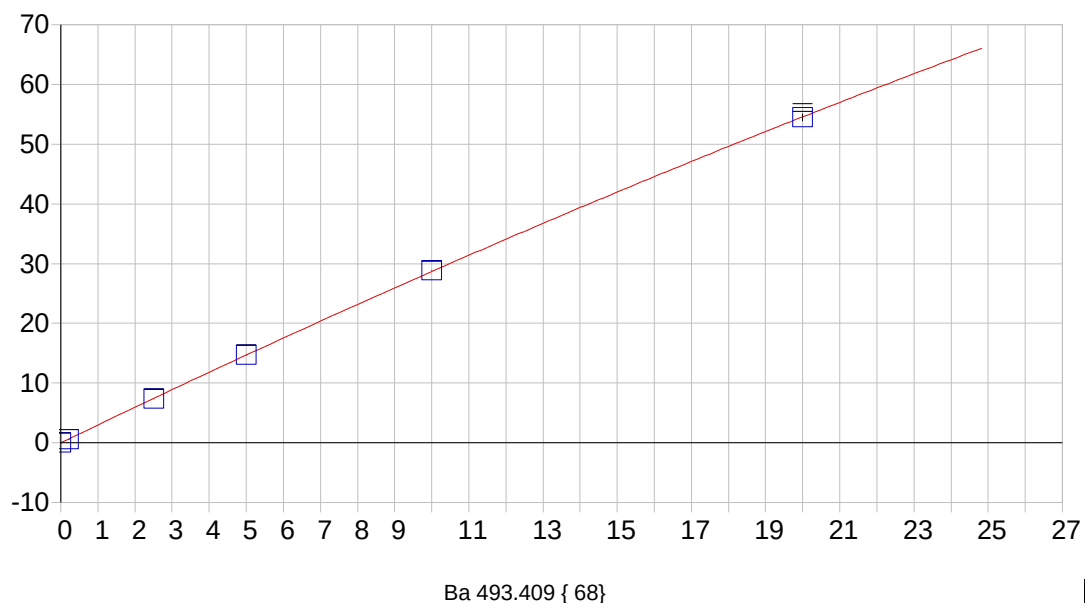
Status: OK.

Std Error of Est: 0.000962

Predicted MDL: 0.009900

Predicted MQL: 0.033001

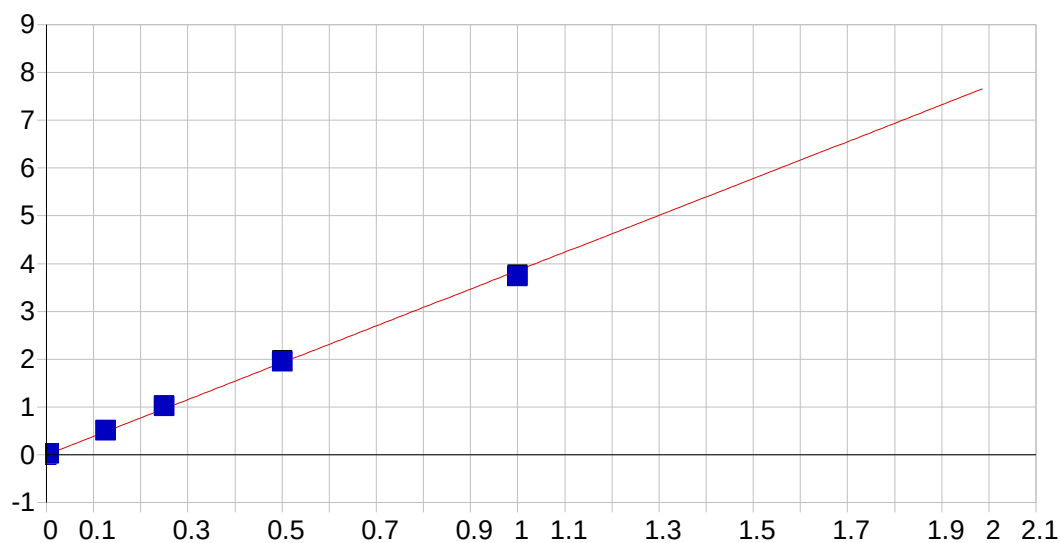
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | .00046 | .000    | 1        |
| S1        | .20000       | .20081      | .001       | .404    | .01267 | .000    | 1        |
| S2        | 38.750       | 38.065      | -.685      | -1.77   | 2.3144 | .010    | 1        |
| S3        | 77.500       | 76.616      | -.884      | -1.14   | 4.6578 | .016    | 1        |
| S4        | 155.00       | 151.63      | -3.37      | -2.17   | 9.2178 | .030    | 1        |
| S5        | 310.00       | 298.19      | -11.8      | -3.81   | 18.127 | .075    | 1        |
| S6        | 800.00       | 816.77      | 16.8       | 2.10    | 49.603 | .156    | 1        |



Date of Fit: 6/4/2018 13:11:08 Type of Fit: Curvilinear Weighting: 1/Conc

A0 (Offset): -0.015131 Re-Slope: 1.000000  
 A1 (Gain): 3.009661 Y-int: 0.000000  
 A2 (Curvature): -0.014025  
 n (Exponent): 1.000000  
 Correlation: 0.999986 Status: OK.  
 Std Error of Est: 0.001833  
 Predicted MDL: 0.000603  
 Predicted MQL: 0.002009

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | -.01511 | .001    | 1        |
| S1        | .20000       | .19360      | -.006      | -3.20   | .56702  | .002    | 1        |
| S2        | 2.5000       | 2.4679      | -.032      | -1.28   | 7.3270  | .016    | 1        |
| S3        | 5.0000       | 5.0101      | .010       | .201    | 14.711  | .031    | 1        |
| S4        | 10.000       | 10.059      | .059       | .586    | 28.839  | .054    | 1        |
| S5        | 20.000       | 19.969      | -.031      | -.153   | 54.493  | .613    | 1        |



Be 234.861 {144}

Date of Fit: 6/4/2018 13:11:08

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.001679

Re-Slope: 1.000000

A1 (Gain): 3.854820

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999407

Status: OK.

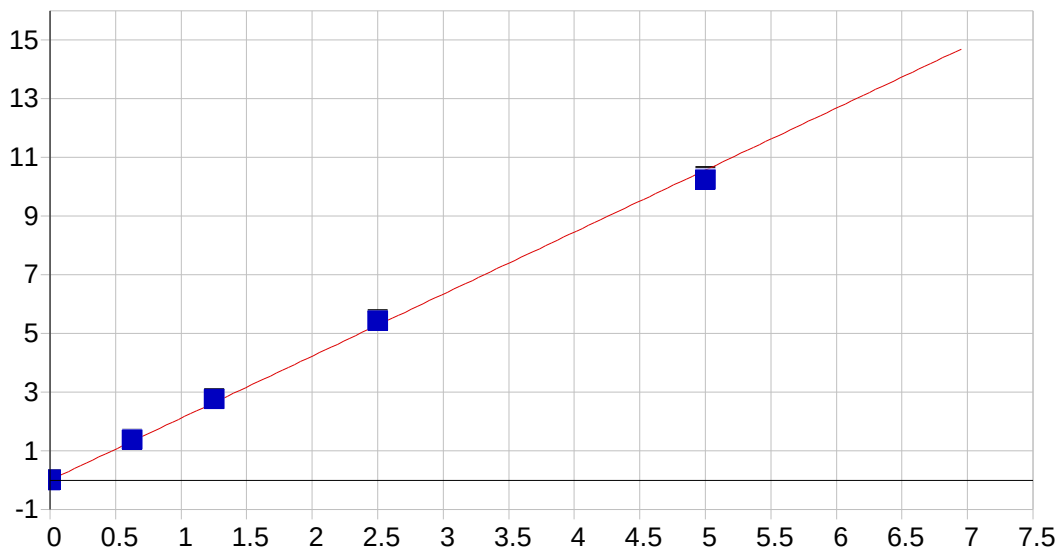
Std Error of Est: 0.000496

Predicted MDL: 0.000076

Predicted MQL: 0.000252

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00168 | .000    | 1        |
| S1        | .00500       | .00511      | .000       | 2.29    | .01802  | .000    | 1        |
| S2        | .12500       | .13228      | .007       | 5.82    | .50612  | .002    | 1        |
| S3        | .25000       | .26453      | .015       | 5.81    | 1.0138  | .003    | 1        |
| S4        | .50000       | .50708      | .007       | 1.42    | 1.9446  | .017    | 1        |
| S5        | 1.0000       | .97099      | -.029      | -2.90   | 3.7245  | .027    | 1        |





Cd 214.438 {457}

Date of Fit: 6/4/2018 13:11:08

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000128

Re-Slope: 1.000000

A1 (Gain): 2.114071

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999451

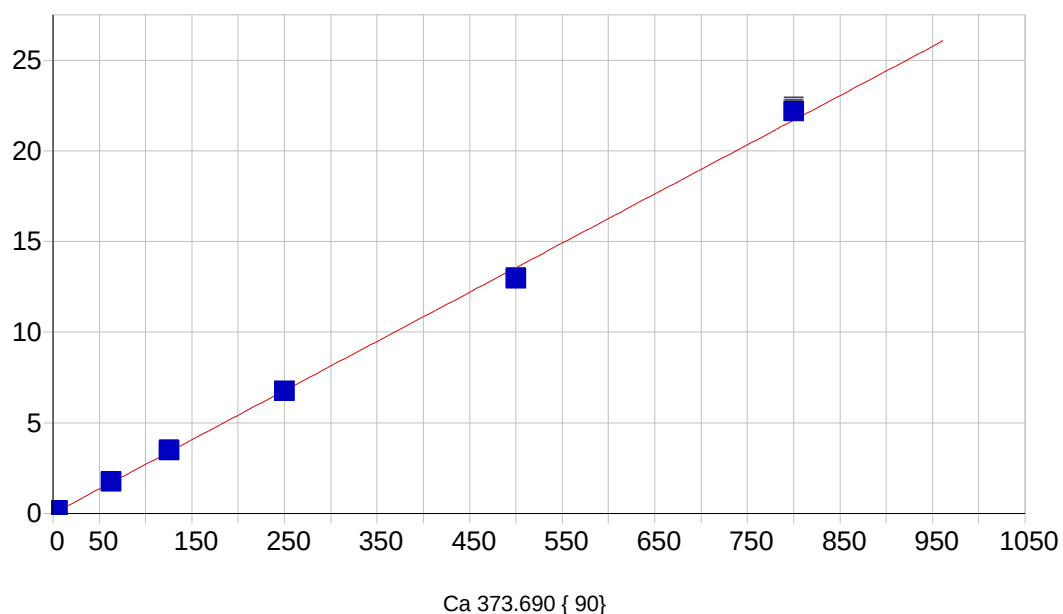
Status: OK.

Std Error of Est: 0.000589

Predicted MDL: 0.000084

Predicted MQL: 0.000281

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00013 | .000    | 1        |
| S1        | .00500       | .00517      | .000       | 3.42    | .01081  | .000    | 1        |
| S2        | .62500       | .65382      | .029       | 4.61    | 1.3848  | .006    | 1        |
| S3        | 1.2500       | 1.3060      | .056       | 4.48    | 2.7662  | .007    | 1        |
| S4        | 2.5000       | 2.5679      | .068       | 2.72    | 5.4394  | .025    | 1        |
| S5        | 5.0000       | 4.8472      | -.153      | -3.06   | 10.269  | .075    | 1        |



Date of Fit: 6/4/2018 13:11:08

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.001252

Re-Slope: 1.000000

A1 (Gain): 0.027108

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999539

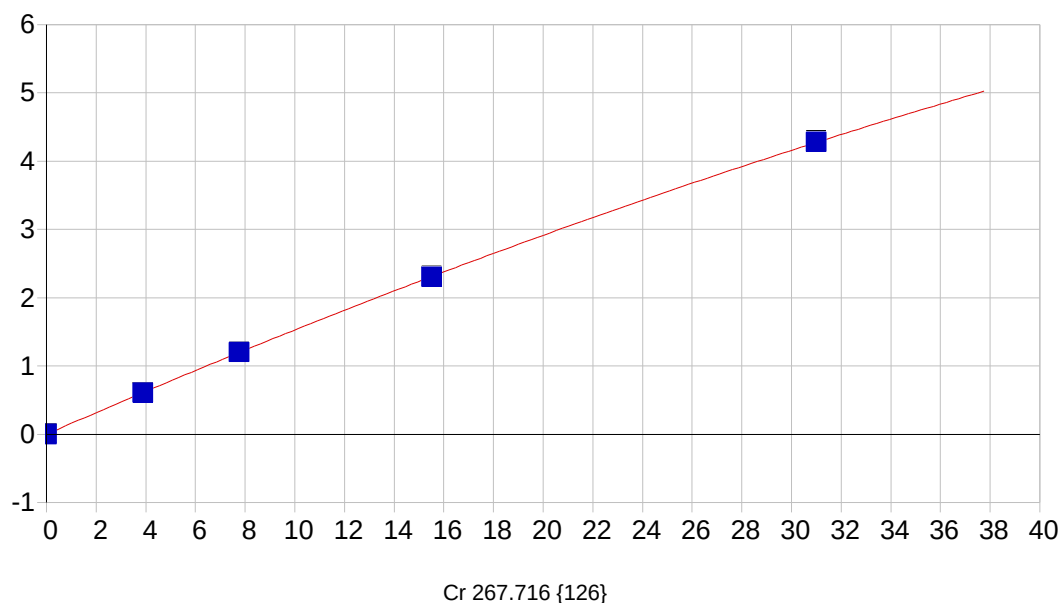
Status: OK.

Std Error of Est: 0.002886

Predicted MDL: 0.015657

Predicted MQL: 0.052191

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00044     | .000       | .000    | .00124 | .000    | 1        |
| S1        | 5.0000       | 5.2800      | .280       | 5.60    | .14440 | .001    | 1        |
| S2        | 62.500       | 64.597      | 2.10       | 3.35    | 1.7584 | .002    | 1        |
| S3        | 125.00       | 128.11      | 3.11       | 2.49    | 3.4863 | .008    | 1        |
| S4        | 250.00       | 248.72      | -1.28      | -.514   | 6.7676 | .011    | 1        |
| S5        | 500.00       | 477.34      | -22.7      | -4.53   | 12.989 | .032    | 1        |
| S6        | 800.00       | 818.41      | 18.4       | 2.30    | 22.316 | .095    | 1        |



Date of Fit: 6/4/2018 13:11:08

Type of Fit: Curvilinear

Weighting: 1/Conc

A0 (Offset): -0.000002

Re-Slope: 1.000000

A1 (Gain): 0.159986

Y-int: 0.000000

A2 (Curvature): -0.000712

n (Exponent): 1.000000

Correlation: 1.000000

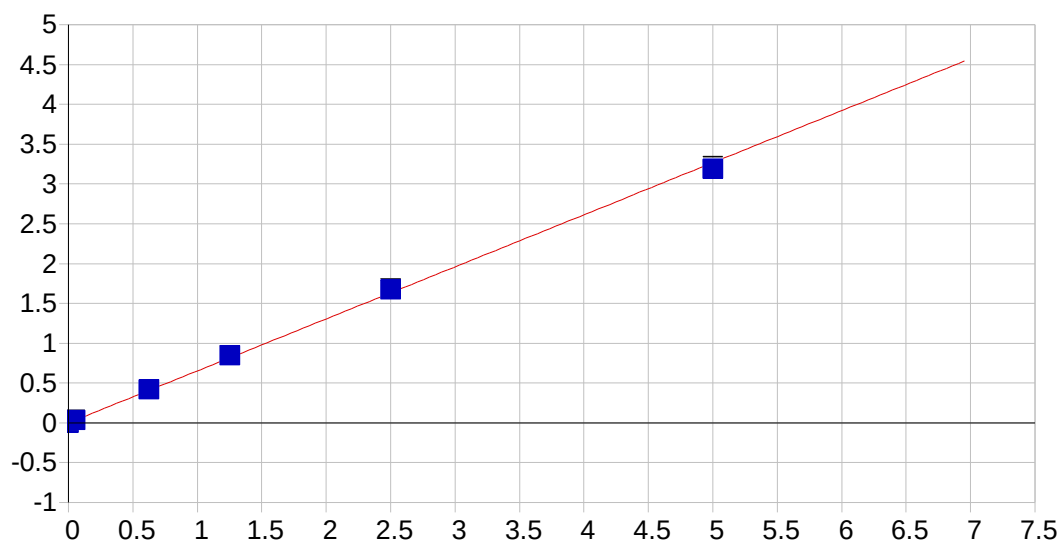
Status: OK.

Std Error of Est: 0.000004

Predicted MDL: 0.000439

Predicted MQL: 0.001463

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00000 | .000    | 1        |
| S1        | .01000       | .01022      | .000       | 2.17    | .00164 | .000    | 1        |
| S2        | 3.8750       | 3.8780      | .003       | .076    | .61081 | .001    | 1        |
| S3        | 7.7500       | 7.7587      | .009       | .112    | 1.2006 | .004    | 1        |
| S4        | 15.500       | 15.480      | -.020      | -.132   | 2.3103 | .006    | 1        |
| S5        | 31.000       | 31.009      | .009       | .029    | 4.2853 | .017    | 1        |



Co 228.616 {448}

Date of Fit: 6/4/2018 13:11:08

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000337

Re-Slope: 1.000000

A1 (Gain): 0.653386

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999664

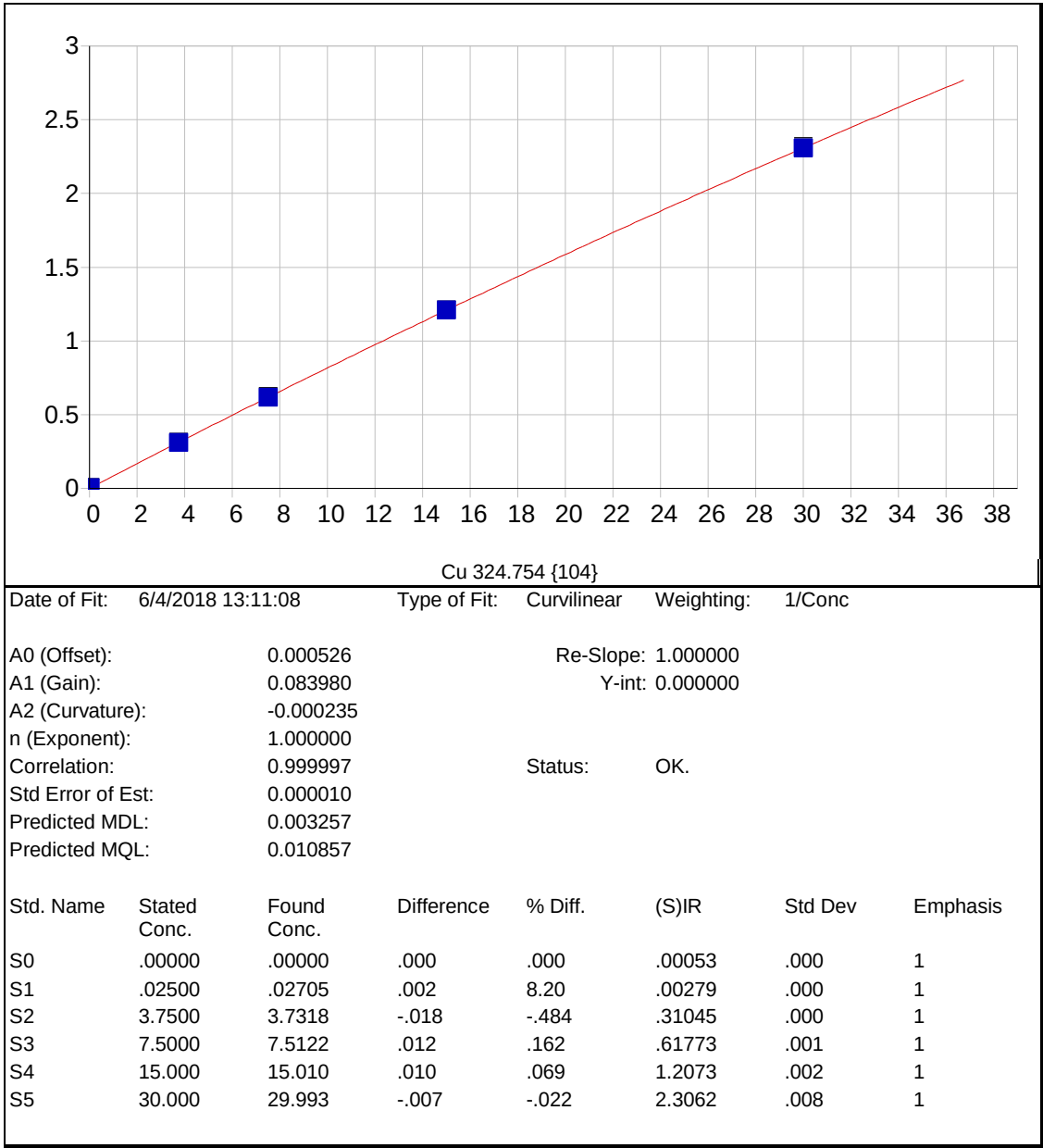
Status: OK.

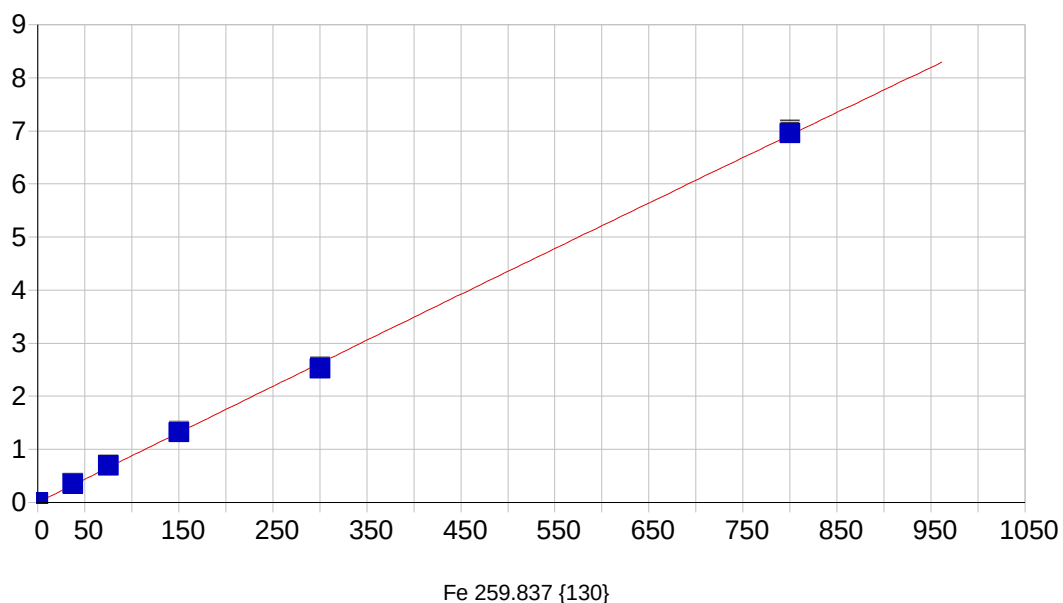
Std Error of Est: 0.000451

Predicted MDL: 0.000261

Predicted MQL: 0.000870

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00034 | .000    | 1        |
| S1        | .05000       | .04971      | .000       | -.583   | .03226  | .000    | 1        |
| S2        | .62500       | .64081      | .016       | 2.53    | .41917  | .001    | 1        |
| S3        | 1.2500       | 1.2914      | .041       | 3.31    | .84507  | .002    | 1        |
| S4        | 2.5000       | 2.5642      | .064       | 2.57    | 1.6783  | .011    | 1        |
| S5        | 5.0000       | 4.8789      | -.121      | -2.42   | 3.1939  | .026    | 1        |





Date of Fit: 6/4/2018 13:11:08

Type of Fit: Curvilinear

Weighting: 1/Conc

A0 (Offset): 0.000196

Re-Slope: 1.000000

A1 (Gain): 0.008793

Y-int: 0.000000

A2 (Curvature): -0.000000

n (Exponent): 1.000000

Correlation: 0.999655

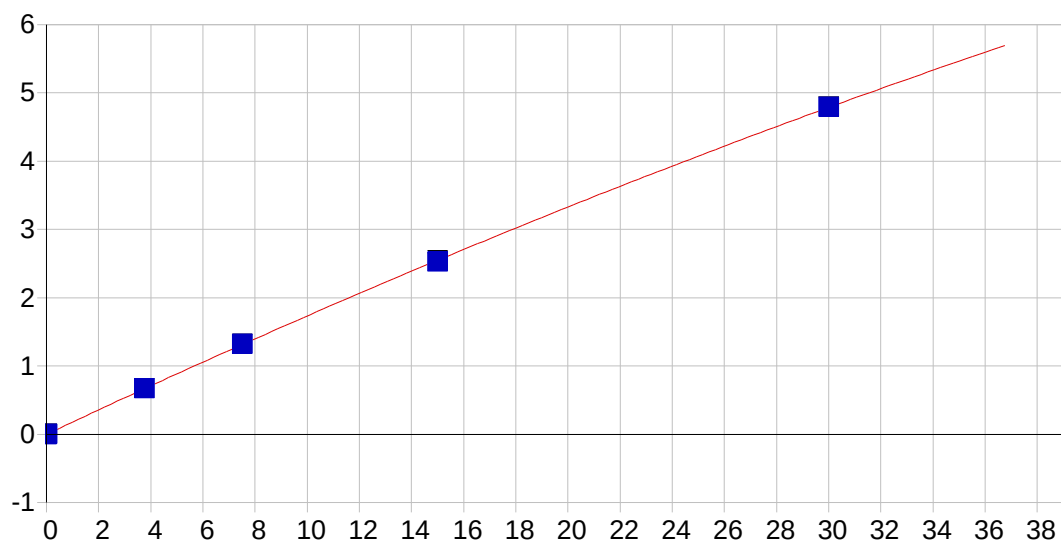
Status: OK.

Std Error of Est: 0.000112

Predicted MDL: 0.016105

Predicted MQL: 0.053683

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00020 | .000    | 1        |
| S1        | .10000       | .08739      | -.013      | -12.6   | .00098 | .000    | 1        |
| S2        | 37.500       | 40.278      | 2.78       | 7.41    | .35585 | .003    | 1        |
| S3        | 75.000       | 79.322      | 4.32       | 5.76    | .70012 | .005    | 1        |
| S4        | 150.00       | 150.93      | .929       | .619    | 1.3304 | .010    | 1        |
| S5        | 300.00       | 288.21      | -11.8      | -3.93   | 2.5340 | .017    | 1        |
| S6        | 800.00       | 803.78      | 3.78       | .473    | 6.9862 | .025    | 1        |



Mn 257.610 {131}

Date of Fit: 6/4/2018 13:11:08

Type of Fit: Curvilinear

Weighting: 1/Conc

A0 (Offset): -0.000018

Re-Slope: 1.000000

A1 (Gain): 0.180177

Y-int: 0.000000

A2 (Curvature): -0.000686

n (Exponent): 1.000000

Correlation: 0.999984

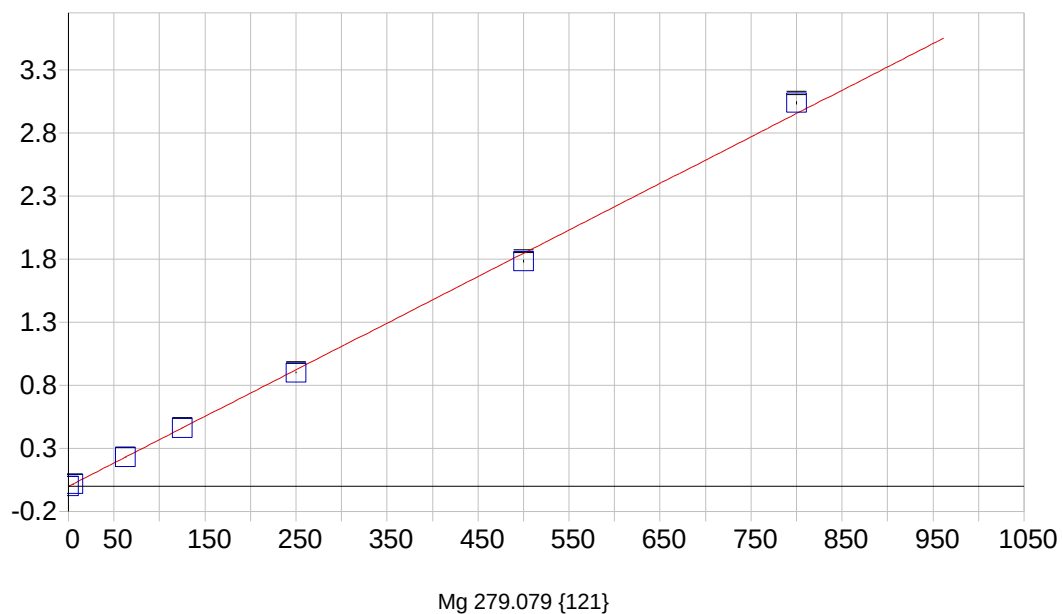
Status: OK.

Std Error of Est: 0.000038

Predicted MDL: 0.000820

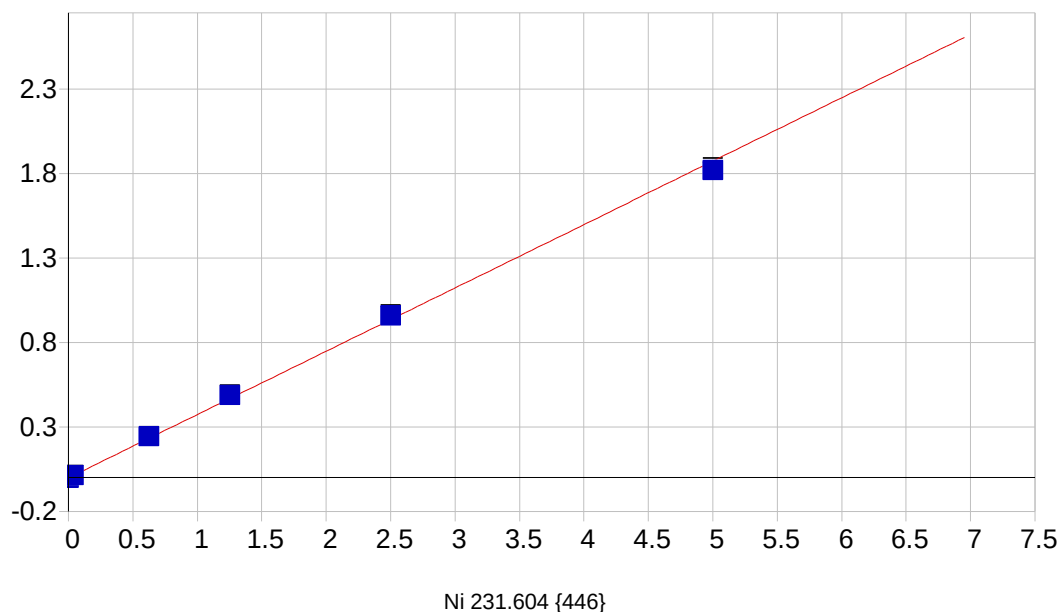
Predicted MQL: 0.002732

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00002 | .000    | 1        |
| S1        | .01500       | .01521      | .000       | 1.40    | .00272  | .000    | 1        |
| S2        | 3.7500       | 3.7827      | .033       | .871    | .67187  | .002    | 1        |
| S3        | 7.5000       | 7.5447      | .045       | .596    | 1.3206  | .004    | 1        |
| S4        | 15.000       | 14.866      | -.134      | -.896   | 2.5274  | .019    | 1        |
| S5        | 30.000       | 30.058      | .058       | .195    | 4.7973  | .005    | 1        |



|                   |              |                   |            |              |         |            |          |  |
|-------------------|--------------|-------------------|------------|--------------|---------|------------|----------|--|
| Date of Fit:      |              | 6/4/2018 13:11:08 |            | Type of Fit: | Linear  | Weighting: | 1/Conc   |  |
| A0 (Offset):      |              | -0.000255         |            | Re-Slope:    |         | 1.000000   |          |  |
| A1 (Gain):        |              | 0.003691          |            | Y-int:       |         | 0.000000   |          |  |
| A2 (Curvature):   |              | 0.000000          |            |              |         |            |          |  |
| n (Exponent):     |              | 1.000000          |            |              |         |            |          |  |
| Correlation:      |              | 0.999610          |            | Status:      | OK.     |            |          |  |
| Std Error of Est: |              | 0.000360          |            |              |         |            |          |  |
| Predicted MDL:    |              | 0.046327          |            |              |         |            |          |  |
| Predicted MQL:    |              | 0.154425          |            |              |         |            |          |  |
|                   |              |                   |            |              |         |            |          |  |
| Std. Name         | Stated Conc. | Found Conc.       | Difference | % Diff.      | (S)IR   | Std Dev    | Emphasis |  |
| S0                | .00000       | .00025            | .000       | .000         | -.00025 | .000       | 1        |  |
| S1                | 5.0000       | 4.9216            | -.078      | -1.57        | .01791  | .000       | 1        |  |
| S2                | 62.500       | 62.054            | -.446      | -.713        | .22877  | .001       | 1        |  |
| S3                | 125.00       | 125.06            | .056       | .045         | .46129  | .002       | 1        |  |
| S4                | 250.00       | 244.29            | -5.71      | -2.28        | .90135  | .006       | 1        |  |
| S5                | 500.00       | 483.19            | -16.8      | -3.36        | 1.7831  | .010       | 1        |  |
| S6                | 800.00       | 822.98            | 23.0       | 2.87         | 3.0371  | .014       | 1        |  |





Date of Fit: 6/4/2018 13:11:08

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.001005

Re-Slope: 1.000000

A1 (Gain): 0.374667

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999510

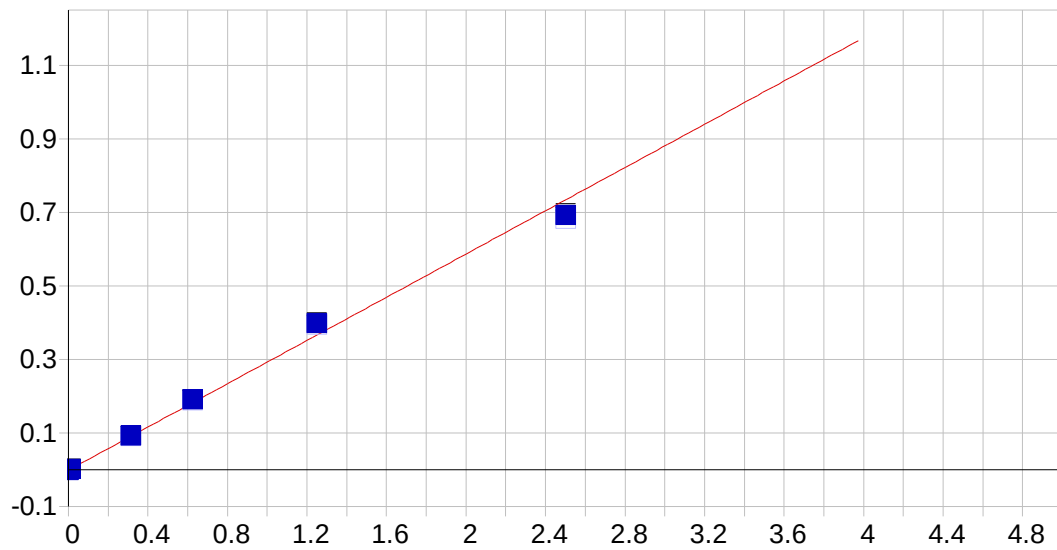
Status: OK.

Std Error of Est: 0.000279

Predicted MDL: 0.000470

Predicted MQL: 0.001566

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | .000       | .000    | -.00101 | .000    | 1        |
| S1        | .04000       | .04187      | .002       | 4.68    | .01469  | .000    | 1        |
| S2        | .62500       | .65371      | .029       | 4.59    | .24440  | .001    | 1        |
| S3        | 1.2500       | 1.3033      | .053       | 4.27    | .48828  | .002    | 1        |
| S4        | 2.5000       | 2.5601      | .060       | 2.40    | .96009  | .005    | 1        |
| S5        | 5.0000       | 4.8560      | -.144      | -2.88   | 1.8222  | .012    | 1        |

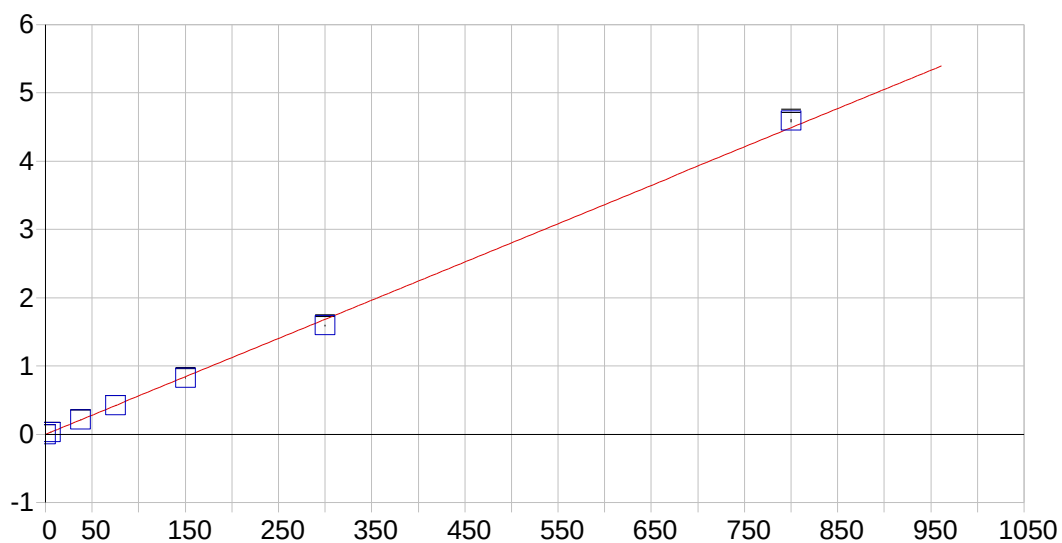


Ag 328.068 {103}

Date of Fit: 6/4/2018 13:11:08 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.001425 Re-Slope: 1.000000  
 A1 (Gain): 0.293976 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.997932 Status: OK.  
 Std Error of Est: 0.000157  
 Predicted MDL: 0.000411  
 Predicted MQL: 0.001370

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00143 | .000    | 1        |
| S1        | .01000       | .00972      | .000       | -2.79   | .00141  | .000    | 1        |
| S2        | .31250       | .31685      | .004       | 1.39    | .09054  | .001    | 1        |
| S3        | .62500       | .65366      | .029       | 4.59    | .18838  | .001    | 1        |
| S4        | 1.2500       | 1.3592      | .109       | 8.74    | .39345  | .001    | 1        |
| S5        | 2.5000       | 2.3580      | -.142      | -5.68   | .68235  | .004    | 1        |



Na 818.326 { 41}

Date of Fit: 6/4/2018 13:11:08

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000014

Re-Slope: 1.000000

A1 (Gain): 0.005611

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999498

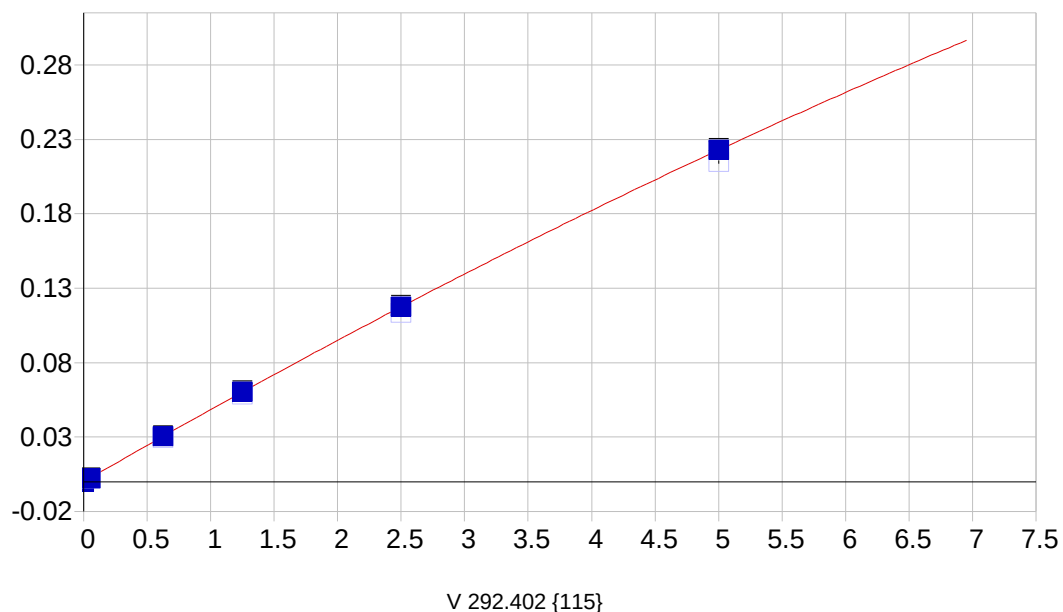
Status: OK.

Std Error of Est: 0.000550

Predicted MDL: 0.224967

Predicted MQL: 0.749890

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00010     | .000       | .000    | -.00001 | .000    | 1        |
| S1        | 5.0000       | 5.3271      | .327       | 6.54    | .02988  | .000    | 1        |
| S2        | 37.500       | 37.602      | .102       | .273    | .21097  | .001    | 1        |
| S3        | 75.000       | 75.197      | .197       | .262    | .42191  | .002    | 1        |
| S4        | 150.00       | 146.94      | -3.06      | -2.04   | .82448  | .005    | 1        |
| S5        | 300.00       | 283.93      | -16.1      | -5.36   | 1.5931  | .010    | 1        |
| S6        | 800.00       | 818.50      | 18.5       | 2.31    | 4.5926  | .021    | 1        |



Date of Fit: 6/4/2018 13:11:08

Type of Fit: Curvilinear

Weighting: 1/Conc

A0 (Offset): -0.000123

Re-Slope: 1.000000

A1 (Gain): 0.049508

Y-int: 0.000000

A2 (Curvature): -0.000983

n (Exponent): 1.000000

Correlation: 0.999996

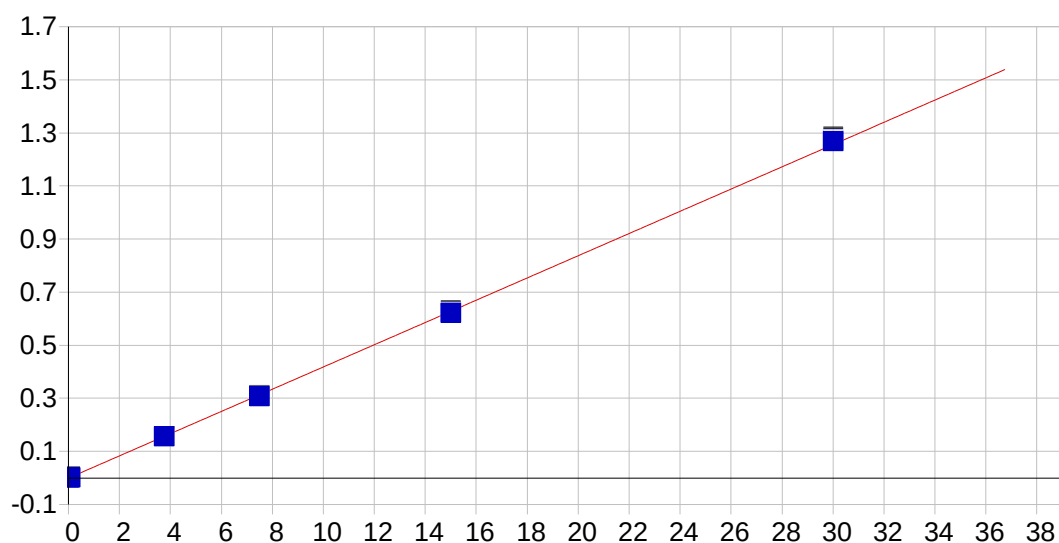
Status: OK.

Std Error of Est: 0.000004

Predicted MDL: 0.004252

Predicted MQL: 0.014173

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00012 | .000    | 1        |
| S1        | .05000       | .04832      | -.002      | -3.35   | .00226  | .000    | 1        |
| S2        | .62500       | .62454      | .000       | -.074   | .02939  | .000    | 1        |
| S3        | 1.2500       | 1.2529      | .003       | .229    | .05832  | .001    | 1        |
| S4        | 2.5000       | 2.5001      | .000       | .006    | .11343  | .001    | 1        |
| S5        | 5.0000       | 4.9992      | -.001      | -.017   | .21464  | .001    | 1        |



Zn 213.856 {158}

Date of Fit: 6/4/2018 13:11:08

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000317

Re-Slope: 1.000000

A1 (Gain): 0.041858

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999929

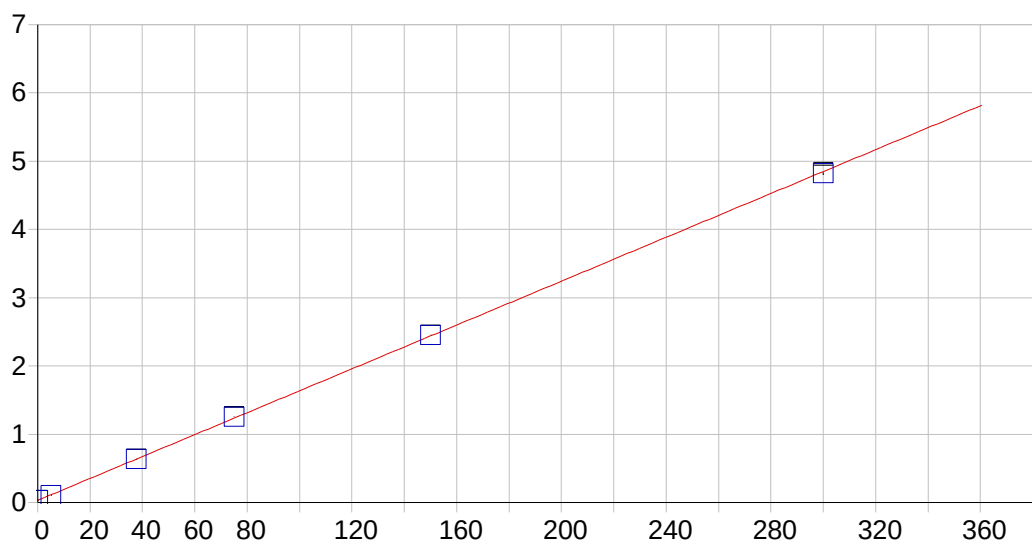
Status: OK.

Std Error of Est: 0.000036

Predicted MDL: 0.008196

Predicted MQL: 0.027319

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00032 | .000    | 1        |
| S1        | .06000       | .06091      | .001       | 1.51    | .00224  | .000    | 1        |
| S2        | 3.7500       | 3.7174      | -.033      | -.870   | .15602  | .001    | 1        |
| S3        | 7.5000       | 7.3541      | -.146      | -1.95   | .30899  | .002    | 1        |
| S4        | 15.000       | 14.855      | -.145      | -.970   | .62441  | .006    | 1        |
| S5        | 30.000       | 30.323      | .323       | 1.08    | 1.2748  | .010    | 1        |



K 769.896 { 44}

Date of Fit: 6/4/2018 13:11:08

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.031057

Re-Slope: 1.000000

A1 (Gain): 0.016056

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999950

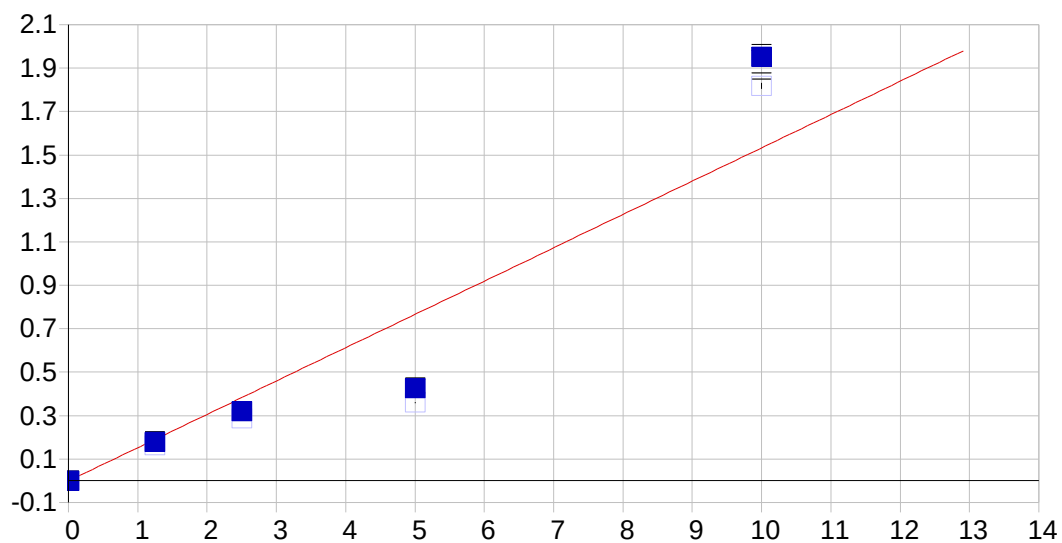
Status: OK.

Std Error of Est: 0.000330

Predicted MDL: 0.061450

Predicted MQL: 0.204832

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00020      | .000       | .000    | .03106 | .000    | 1        |
| S1        | 5.0000       | 4.7000      | -.300      | -6.00   | .10652 | .001    | 1        |
| S2        | 37.500       | 37.650      | .150       | .401    | .63559 | .000    | 1        |
| S3        | 75.000       | 76.334      | 1.33       | 1.78    | 1.2567 | .002    | 1        |
| S4        | 150.00       | 150.66      | .655       | .437    | 2.4500 | .002    | 1        |
| S5        | 300.00       | 298.16      | -1.84      | -.613   | 4.8184 | .021    | 1        |



P 177.495 {490}

Date of Fit: 6/4/2018 13:11:08

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000750

Re-Slope: 1.000000

A1 (Gain): 0.153368

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.946890

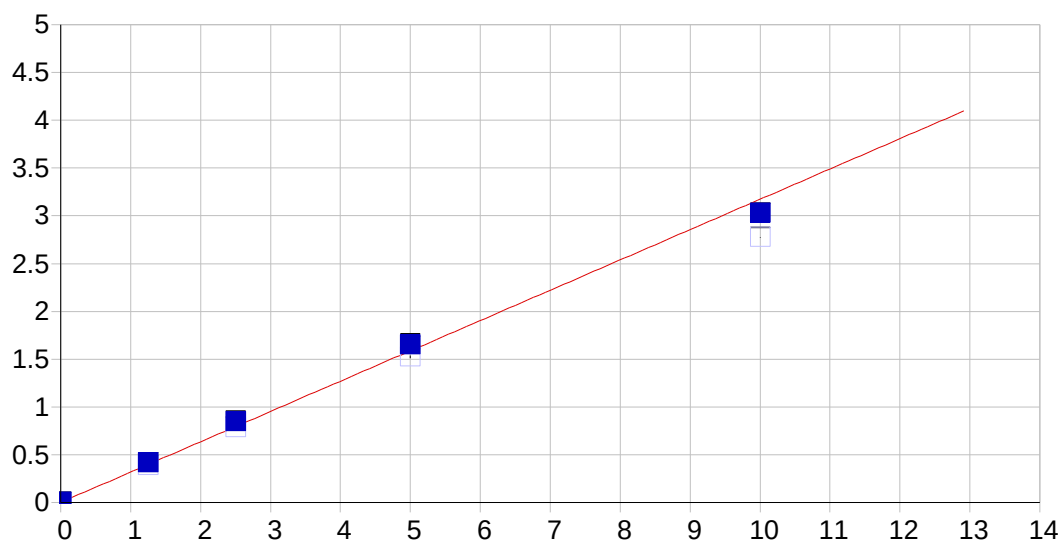
Status: OK.

Std Error of Est: 0.000798

Predicted MDL: 0.000458

Predicted MQL: 0.001525

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | -.00075 | .000    | 1        |
| S1        | .01000       | .00228      | -.008      | -77.2   | -.00050 | .000    | 1        |
| S2        | 1.2500       | 1.1724      | -.078      | -6.20   | .16253  | .000    | 1        |
| S3        | 2.5000       | 2.0830      | -.417      | -16.7   | .28565  | .001    | 1        |
| S4        | 5.0000       | 2.7806      | -2.22      | -44.4   | .35956  | .003    | 1        |
| S5        | 10.000       | 12.722      | 2.72       | 27.2    | 1.8181  | .014    | 1        |



B 249.678 {135}

Date of Fit: 6/4/2018 13:11:08

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000858

Re-Slope: 1.000000

A1 (Gain): 0.317216

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.998553

Status: OK.

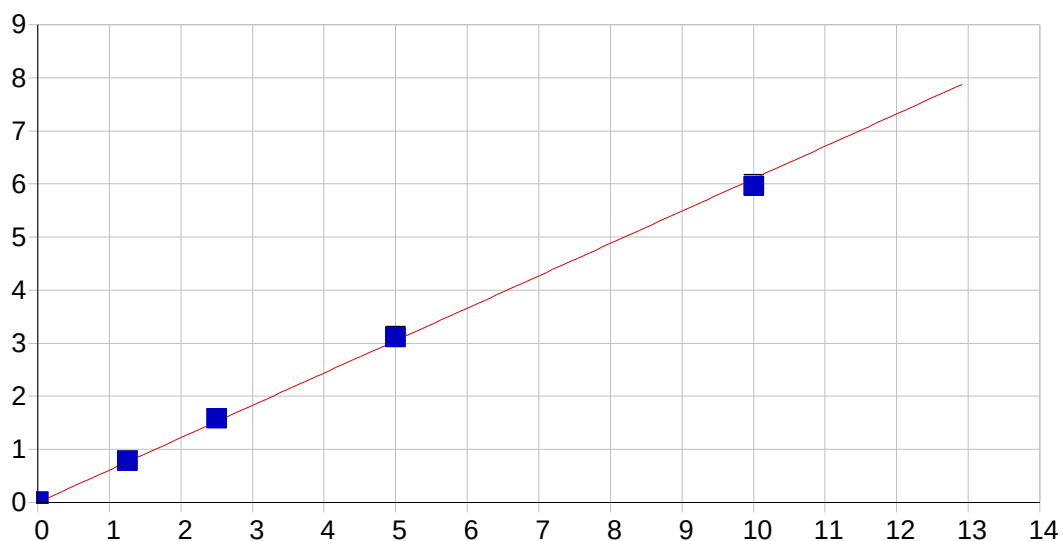
Std Error of Est: 0.000264

Predicted MDL: 0.001028

Predicted MQL: 0.003426

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00086 | .000    | 1        |
| S1        | .01000       | .00973      | .000       | -2.65   | .00388 | .000    | 1        |
| S2        | 1.2500       | 1.3207      | .071       | 5.65    | .38839 | .002    | 1        |
| S3        | 2.5000       | 2.6800      | .180       | 7.20    | .78819 | .002    | 1        |
| S4        | 5.0000       | 5.2051      | .205       | 4.10    | 1.5264 | .014    | 1        |
| S5        | 10.000       | 9.5444      | -.456      | -4.56   | 2.7772 | .003    | 1        |



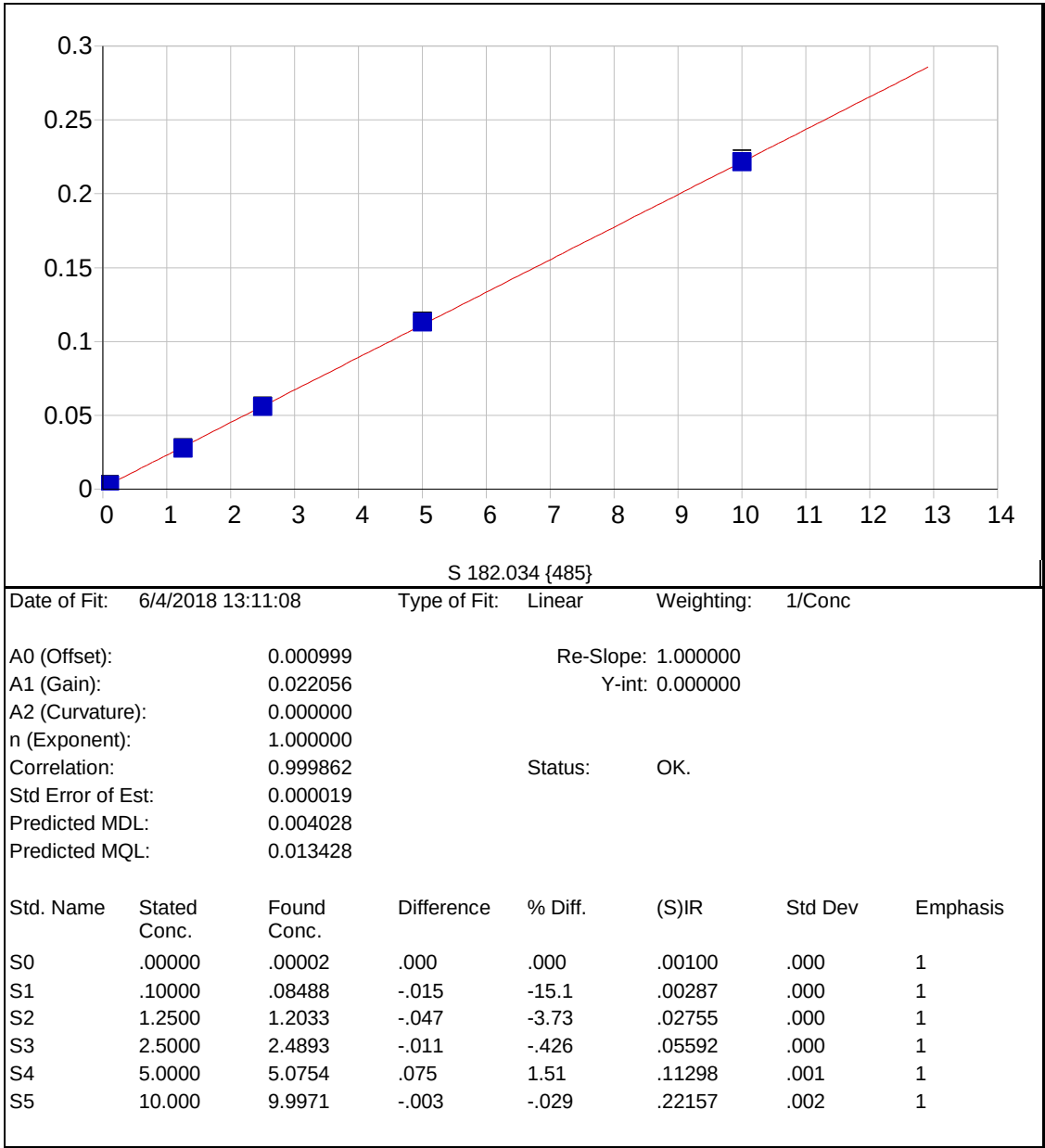


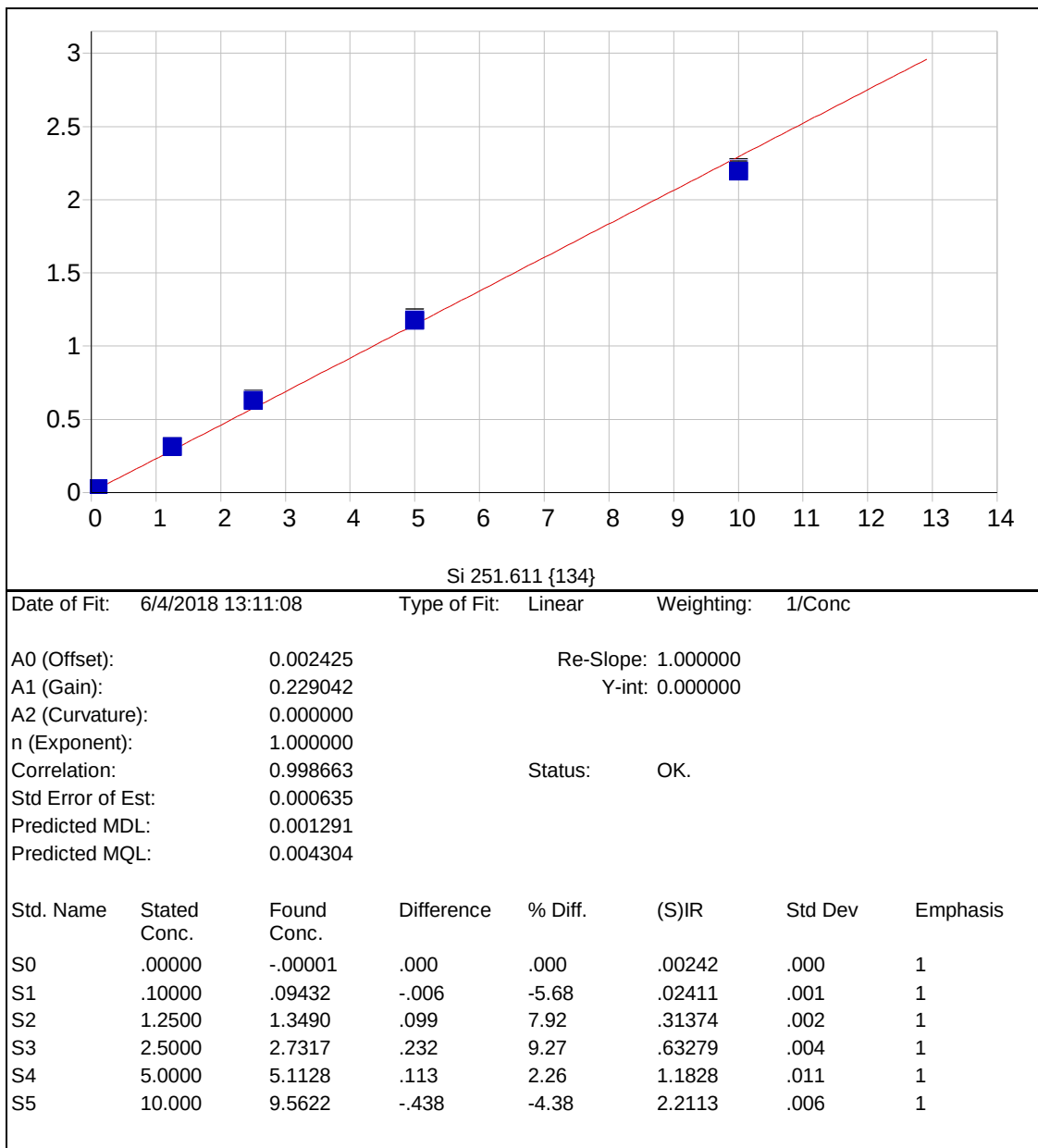
Mo 202.030 {467}

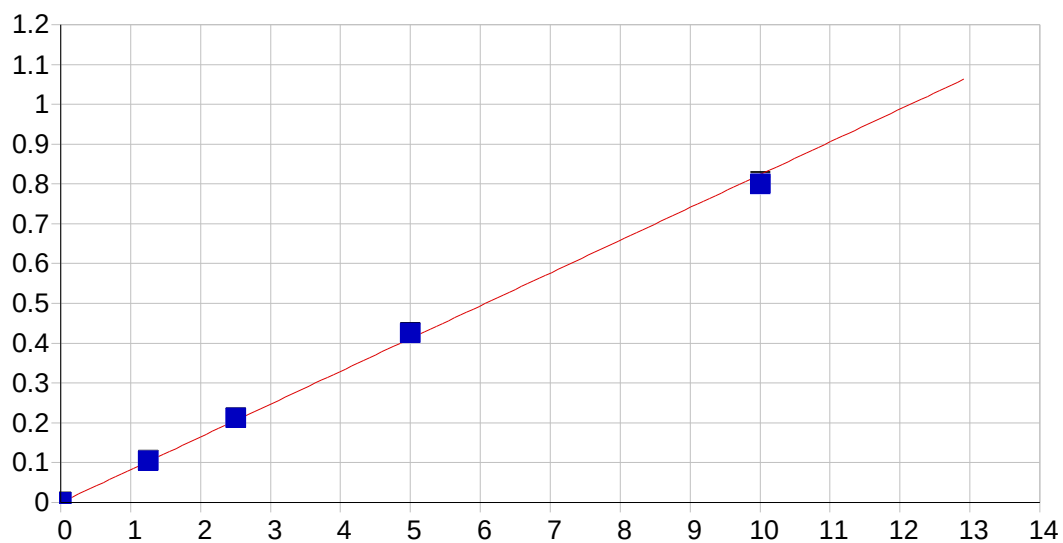
Date of Fit: 6/4/2018 13:11:08 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000216 Re-Slope: 1.000000  
 A1 (Gain): 0.609901 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999688 Status: OK.  
 Std Error of Est: 0.000255  
 Predicted MDL: 0.000275  
 Predicted MQL: 0.000916

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00022 | .000    | 1        |
| S1        | .01000       | .01035      | .000       | 3.48    | .00652 | .000    | 1        |
| S2        | 1.2500       | 1.2896      | .040       | 3.16    | .78669 | .002    | 1        |
| S3        | 2.5000       | 2.5846      | .085       | 3.39    | 1.5765 | .002    | 1        |
| S4        | 5.0000       | 5.1062      | .106       | 2.12    | 3.1144 | .014    | 1        |
| S5        | 10.000       | 9.7693      | -.231      | -2.31   | 5.9582 | .033    | 1        |







Sn 189.989 {478}

Date of Fit: 6/4/2018 13:11:08

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000128

Re-Slope: 1.000000

A1 (Gain): 0.082306

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999549

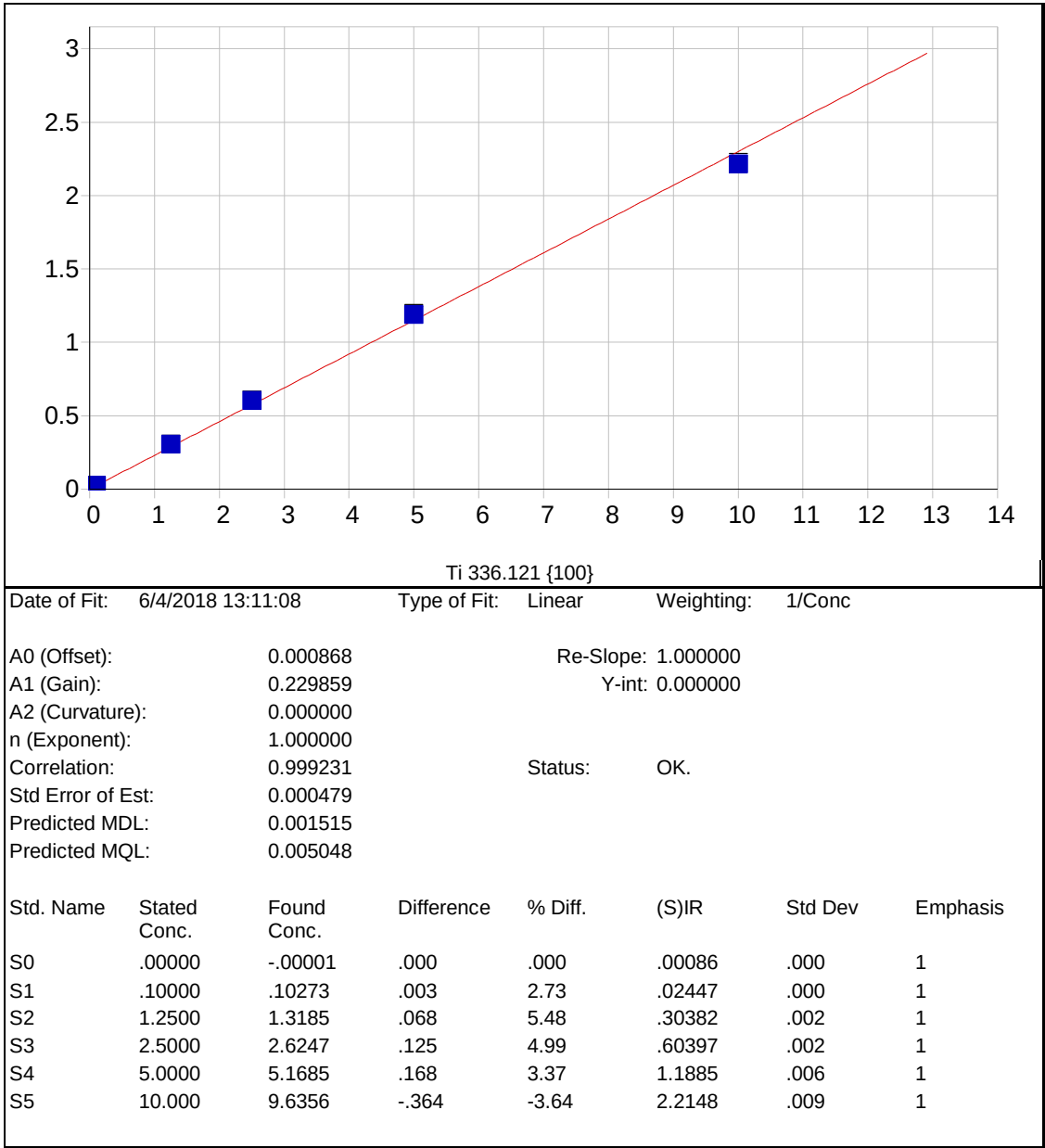
Status: OK.

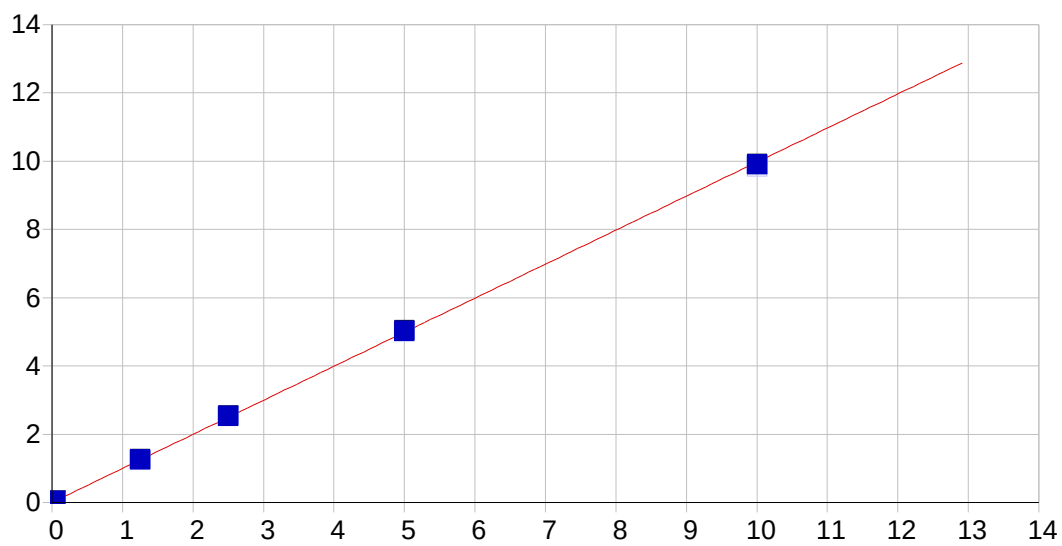
Std Error of Est: 0.000035

Predicted MDL: 0.001073

Predicted MQL: 0.003578

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00013 | .000    | 1        |
| S1        | .00700       | .00673      | .000       | -3.83   | .00066 | .000    | 1        |
| S2        | 1.2500       | 1.2784      | .028       | 2.27    | .10512 | .001    | 1        |
| S3        | 2.5000       | 2.5831      | .083       | 3.32    | .21228 | .000    | 1        |
| S4        | 5.0000       | 5.1681      | .168       | 3.36    | .42458 | .001    | 1        |
| S5        | 10.000       | 9.7207      | -.279      | -2.79   | .79838 | .006    | 1        |





Li 670.784 { 50}

Date of Fit: 6/4/2018 13:11:08

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.003392

Re-Slope: 1.000000

A1 (Gain): 0.997099

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999955

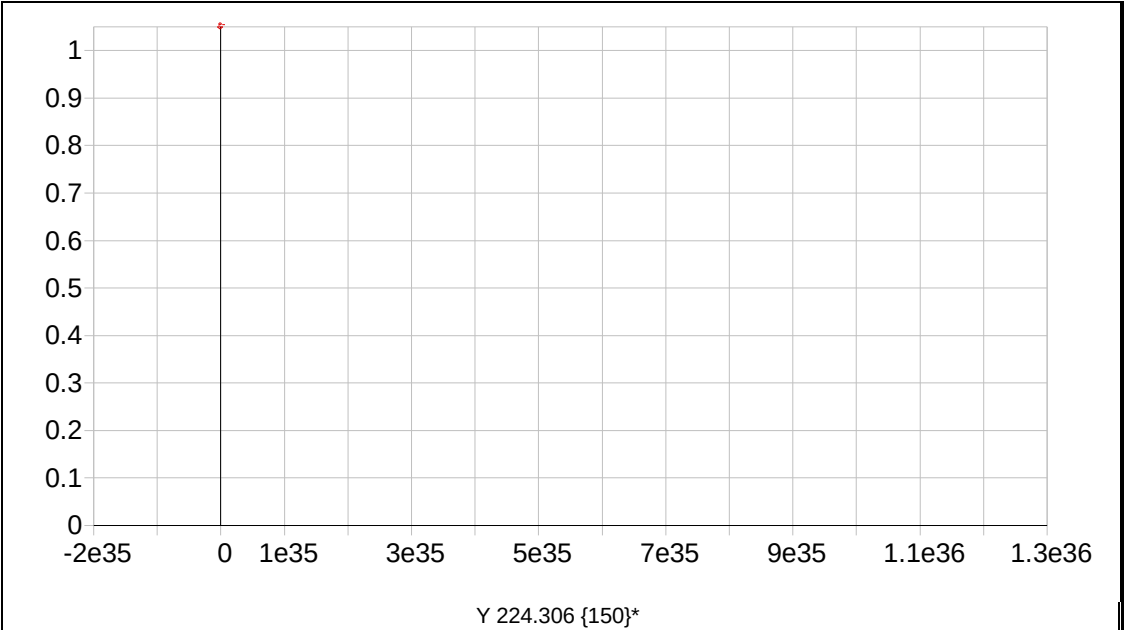
Status: OK.

Std Error of Est: 0.000352

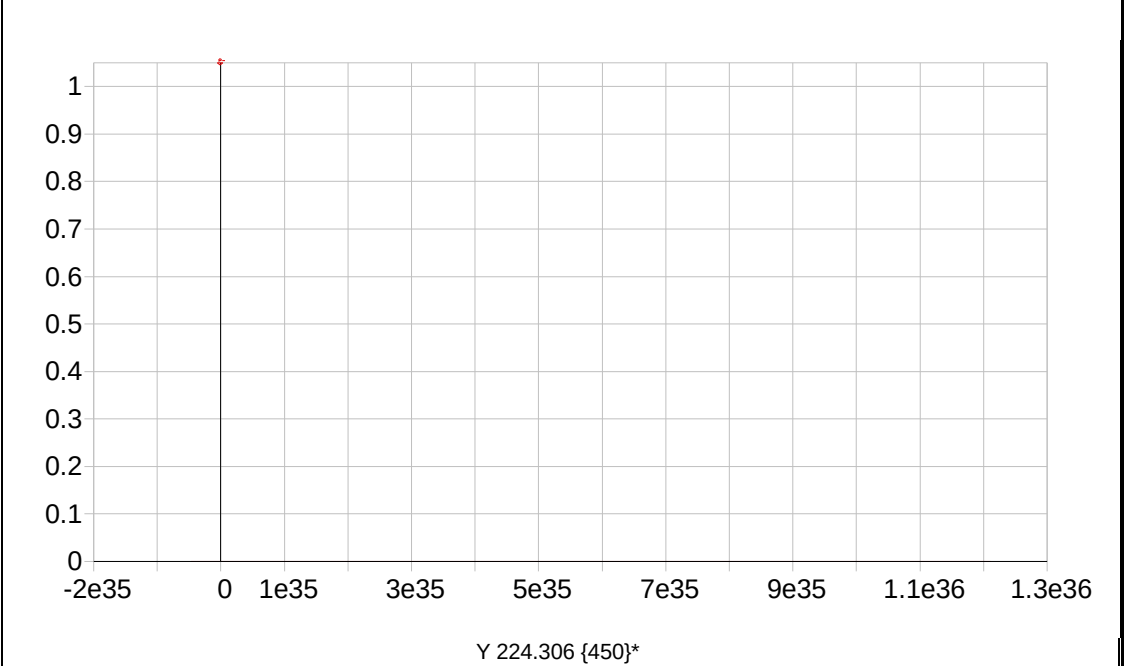
Predicted MDL: 0.001294

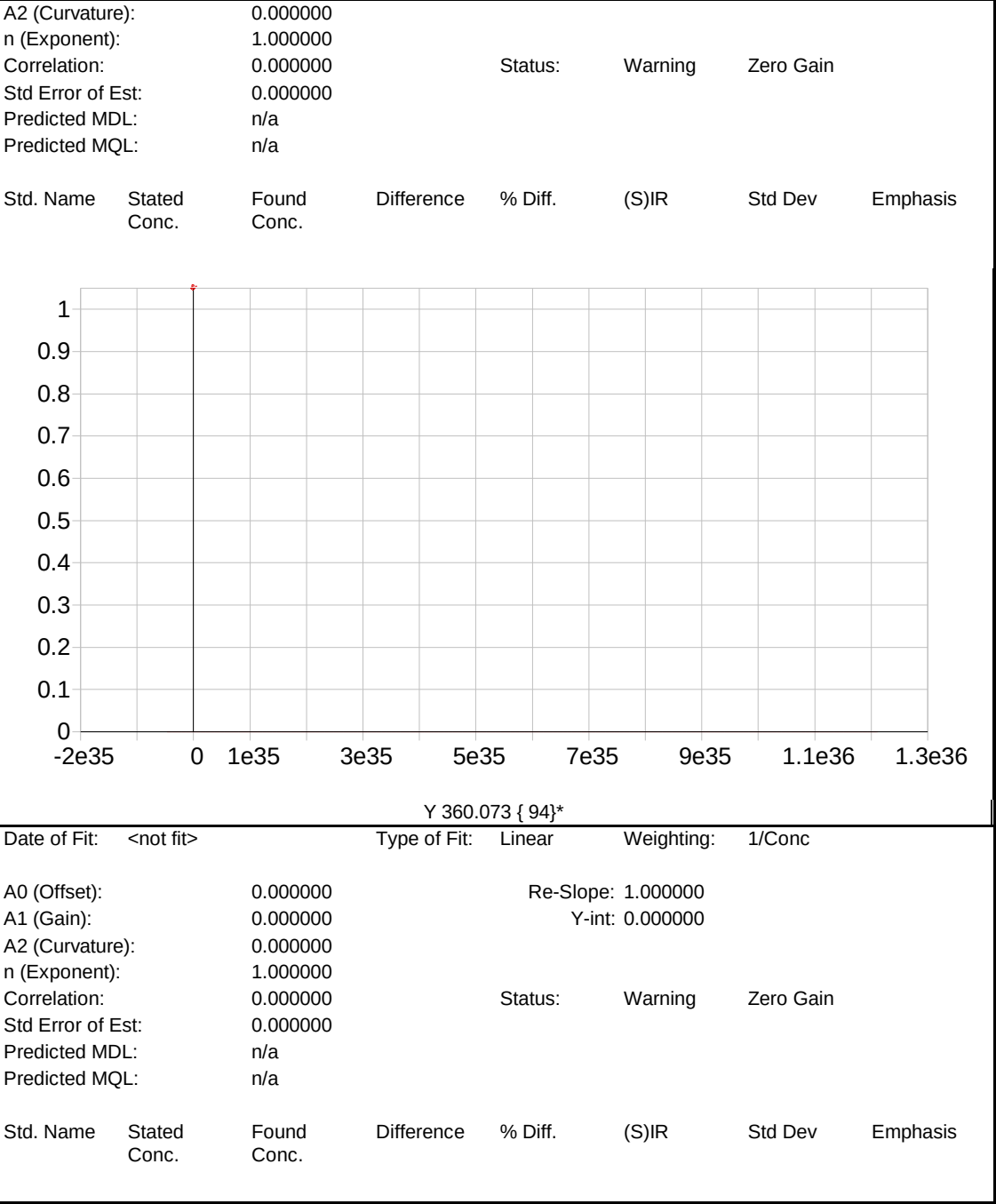
Predicted MQL: 0.004314

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00339 | .001    | 1        |
| S5        | 10.000       | 9.9187      | -.081      | -.813   | 9.8372 | .023    | 1        |
| S4        | 5.0000       | 5.0376      | .038       | .753    | 4.9984 | .014    | 1        |
| S3        | 2.5000       | 2.5381      | .038       | 1.52    | 2.5201 | .003    | 1        |
| S2        | 1.2500       | 1.2577      | .008       | .616    | 1.2504 | .004    | 1        |
| S1        | .05000       | .04786      | -.002      | -4.28   | .05101 | .001    | 1        |

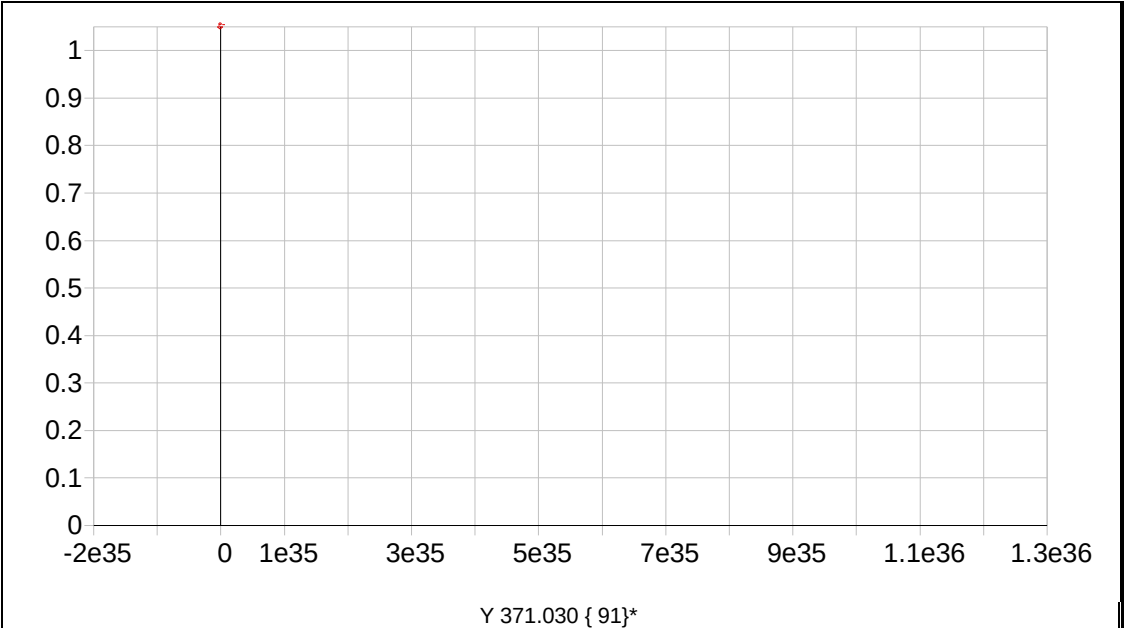


| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|-------|---------|----------|
|-----------|--------------|-------------|------------|---------|-------|---------|----------|

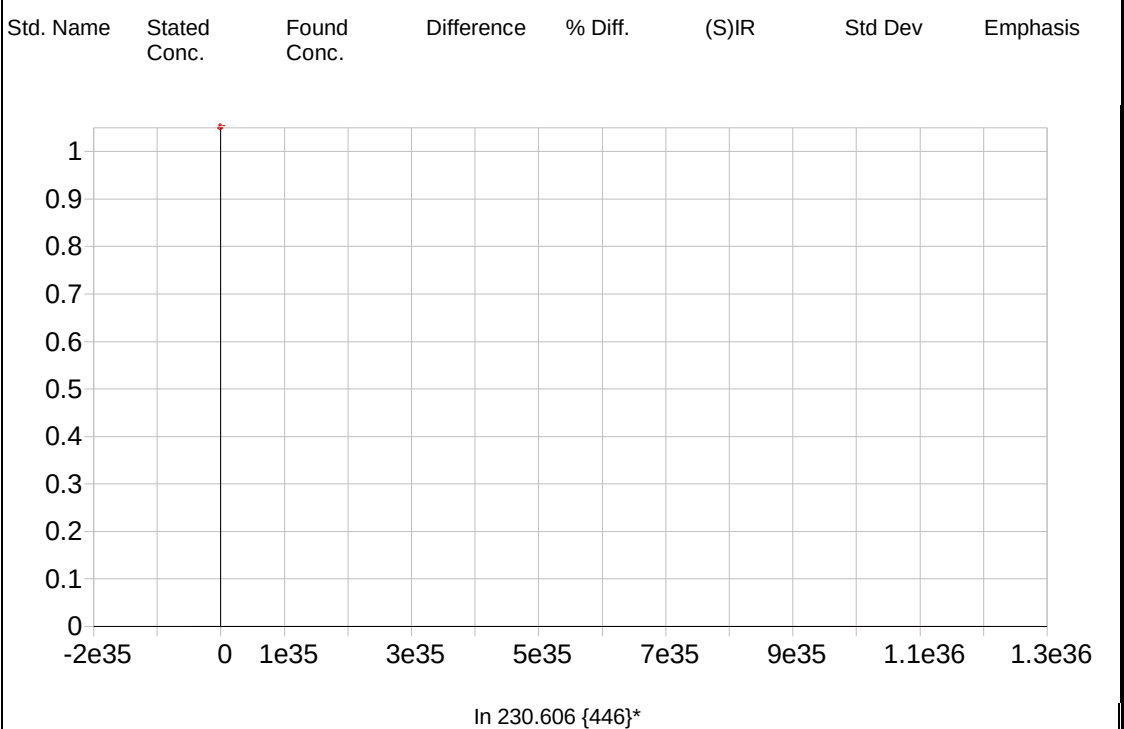




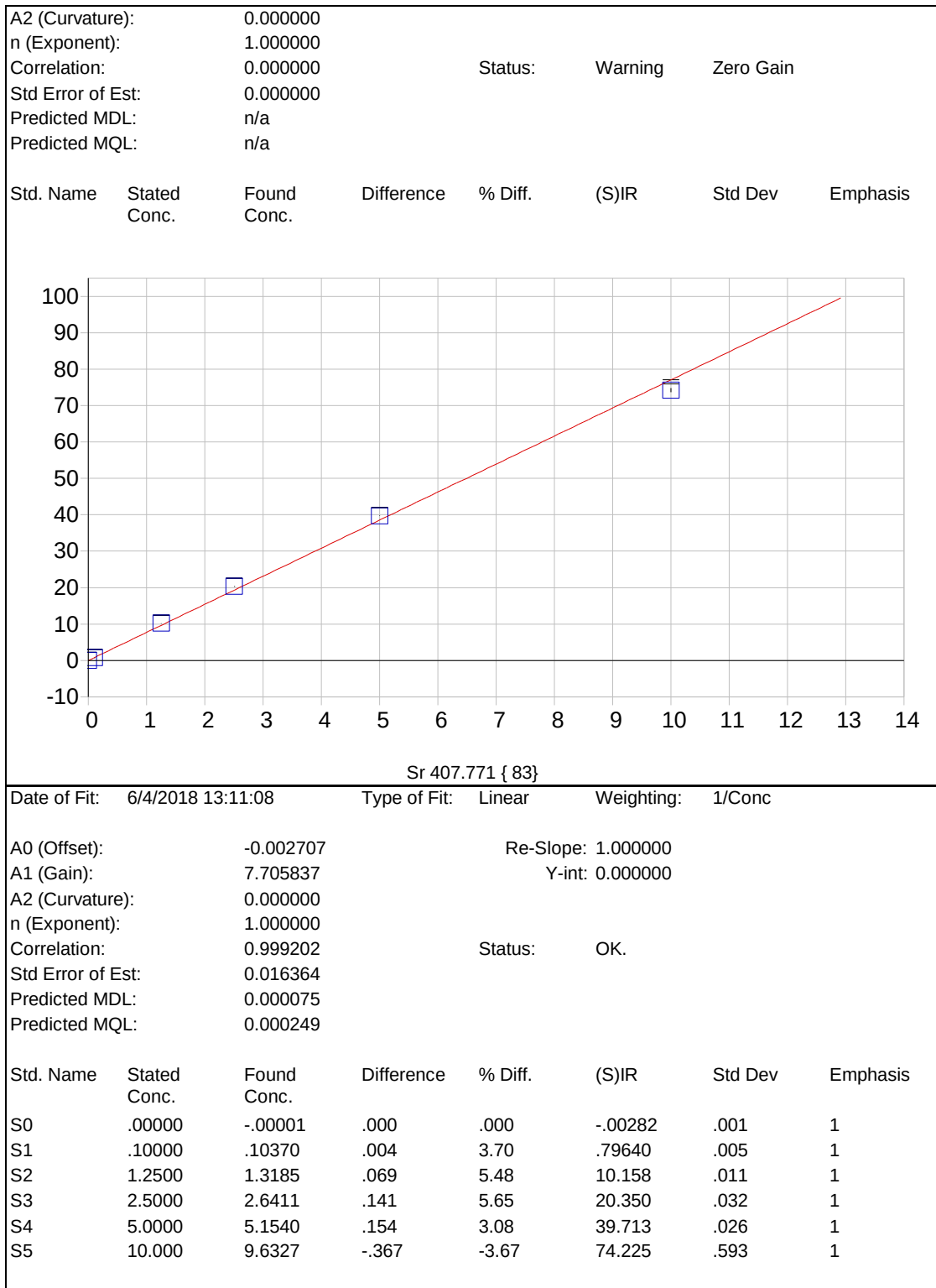




|                   |          |                           |
|-------------------|----------|---------------------------|
| A0 (Offset):      | 0.000000 | Re-Slope: 1.000000        |
| A1 (Gain):        | 0.000000 | Y-int: 0.000000           |
| A2 (Curvature):   | 0.000000 |                        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



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



Sample Name: S0      Acquired: 6/4/2018 12:30:12      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      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    | -.00020 | -.00028 | .00007 | .00036 | .00029 | .00046 | -.01511 | -.00168 |
| Stddev | .00003  | .00005  | .00032 | .00019 | .00003 | .00040 | .00114  | .00030  |
| %RSD   | 14.553  | 16.790  | 451.18 | 51.947 | 10.828 | 87.170 | 7.5296  | 17.898  |

|    |         |         |         |        |        |        |         |         |
|----|---------|---------|---------|--------|--------|--------|---------|---------|
| #1 | -.00023 | -.00031 | -.00008 | .00026 | .00027 | .00000 | -.01454 | -.00143 |
| #2 | -.00017 | -.00023 | .00043  | .00057 | .00028 | .00075 | -.01642 | -.00201 |
| #3 | -.00019 | -.00031 | -.00015 | .00023 | .00033 | .00062 | -.01436 | -.00160 |

|        |         |        |        |         |        |        |         |         |
|--------|---------|--------|--------|---------|--------|--------|---------|---------|
| 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    | -.00013 | .00124 | .00000 | -.00034 | .00053 | .00020 | -.00002 | -.00025 |
| Stddev | .00015  | .00012 | .0000  | .00011  | .00018 | .00002 | .00013  | .00016  |
| %RSD   | 117.52  | 10.026 | 1516.4 | 31.360  | 34.814 | 10.906 | 728.81  | 61.550  |

|    |         |        |         |         |        |        |         |         |
|----|---------|--------|---------|---------|--------|--------|---------|---------|
| #1 | -.00022 | .00110 | .00004  | -.00042 | .00065 | .00017 | -.00011 | -.00043 |
| #2 | .00005  | .00133 | -.00003 | -.00038 | .00061 | .00020 | .00013  | -.00013 |
| #3 | -.00022 | .00130 | -.00001 | -.00022 | .00032 | .00021 | -.00007 | -.00020 |

|        |         |         |         |         |         |        |         |        |
|--------|---------|---------|---------|---------|---------|--------|---------|--------|
| 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    | -.00101 | -.00143 | -.00001 | -.00012 | -.00032 | .03106 | -.00075 | .00086 |
| Stddev | .00011  | .00006  | .00026  | .00009  | .00014  | .00025 | .00002  | .00011 |
| %RSD   | 10.853  | 4.0572  | 1763.8  | 69.840  | 44.038  | .80280 | 3.3325  | 13.301 |

|    |         |         |         |         |         |        |         |        |
|----|---------|---------|---------|---------|---------|--------|---------|--------|
| #1 | -.00101 | -.00142 | -.00008 | -.00021 | -.00044 | .03115 | -.00077 | .00073 |
| #2 | -.00111 | -.00149 | -.00024 | -.00003 | -.00017 | .03125 | -.00072 | .00088 |
| #3 | -.00090 | -.00137 | .00027  | -.00013 | -.00034 | .03078 | -.00076 | .00096 |

|        |        |        |        |        |        |        |         |  |
|--------|--------|--------|--------|--------|--------|--------|---------|--|
| 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    | .00022 | .00100 | .00242 | .00013 | .00086 | .00339 | -.00282 |  |
| Stddev | .00007 | .00004 | .00024 | .00007 | .00006 | .00082 | .00068  |  |
| %RSD   | 34.637 | 3.6494 | 9.8908 | 52.752 | 6.5045 | 24.164 | 24.193  |  |

|    |        |        |        |        |        |        |         |  |
|----|--------|--------|--------|--------|--------|--------|---------|--|
| #1 | .00029 | .00097 | .00216 | .00014 | .00083 | .00245 | -.00224 |  |
| #2 | .00014 | .00099 | .00263 | .00006 | .00093 | .00392 | -.00357 |  |
| #3 | .00021 | .00104 | .00248 | .00019 | .00083 | .00381 | -.00264 |  |

Sample Name: S0      Acquired: 6/4/2018 12:30:12      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      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       | 2336.6 | 3190.8 | 46443. | 8092.0 | 4146.8 |
| Stddev    | 6.8    | 49.9   | 205.   | 33.8   | 63.0   |
| %RSD      | .29115 | 1.5650 | .44055 | .41755 | 1.5197 |
| #1        | 2329.1 | 3158.5 | 46271. | 8130.4 | 4115.3 |
| #2        | 2342.3 | 3165.5 | 46389. | 8078.7 | 4105.7 |
| #3        | 2338.4 | 3248.3 | 46670. | 8066.8 | 4219.3 |

Sample Name: S1      Acquired: 6/4/2018 12:34:21      Type: Cal  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      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    | .00005 | .00072 | .00139 | .00185 | .00602 | .01267 | .56702 | .01802 |
| Stddev | .00009 | .00012 | .00013 | .00006 | .00020 | .00029 | .00232 | .00019 |
| %RSD   | 160.97 | 16.696 | 9.3738 | 3.5030 | 3.3248 | 2.3159 | .40975 | 1.0520 |

|    |         |        |        |        |        |        |        |        |
|----|---------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00015  | .00059 | .00133 | .00178 | .00613 | .01234 | .56610 | .01790 |
| #2 | .00003  | .00083 | .00154 | .00189 | .00615 | .01277 | .56967 | .01824 |
| #3 | -.00002 | .00076 | .00130 | .00189 | .00579 | .01290 | .56531 | .01792 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .01081 | .14440 | .00164 | .03226 | .00279 | .00098 | .00272 | .01791 |
| Stddev | .00022 | .00086 | .00003 | .00047 | .00014 | .00013 | .00005 | .00022 |
| %RSD   | 2.0515 | .59647 | 1.9589 | 1.4429 | 5.1314 | 13.468 | 1.8111 | 1.2299 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01104 | .14467 | .00164 | .03226 | .00296 | .00105 | .00276 | .01816 |
| #2 | .01081 | .14509 | .00167 | .03273 | .00269 | .00083 | .00267 | .01778 |
| #3 | .01059 | .14344 | .00160 | .03180 | .00273 | .00106 | .00274 | .01778 |

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| 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    | .01469 | .00141 | .02988 | .00226 | .00224 | .10652 | -.00050 | .00388 |
| Stddev | .00015 | .00012 | .00049 | .00008 | .00020 | .00109 | .00006  | .00037 |
| %RSD   | 1.0283 | 8.7537 | 1.6389 | 3.4083 | 8.7644 | 1.0199 | 12.398  | 9.6437 |

|    |        |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|--------|---------|--------|
| #1 | .01481 | .00154 | .02984 | .00223 | .00230 | .10721 | -.00047 | .00415 |
| #2 | .01474 | .00140 | .03038 | .00235 | .00240 | .10709 | -.00046 | .00404 |
| #3 | .01452 | .00129 | .02941 | .00221 | .00202 | .10527 | -.00057 | .00345 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| 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    | .00652 | .00287 | .02411 | .00066 | .02447 | .05101 | .79640 |  |
| Stddev | .00015 | .00006 | .00050 | .00002 | .00026 | .00052 | .00476 |  |
| %RSD   | 2.2640 | 2.1007 | 2.0916 | 3.0266 | 1.0516 | 1.0285 | .59713 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | .00650 | .00284 | .02405 | .00064 | .02441 | .05041 | .79948 |  |
| #2 | .00668 | .00294 | .02464 | .00066 | .02476 | .05128 | .79879 |  |
| #3 | .00639 | .00284 | .02364 | .00068 | .02426 | .05135 | .79092 |  |

Sample Name: S1      Acquired: 6/4/2018 12:34:21      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      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       | 2365.3 | 3160.9 | 47039. | 8157.3 | 4116.1 |
| Stddev    | 7.1    | 43.7   | 438.   | 73.3   | 64.7   |
| %RSD      | .30055 | 1.3823 | .93214 | .89854 | 1.5719 |
| #1        | 2368.5 | 3132.3 | 47503. | 8098.6 | 4087.1 |
| #2        | 2370.2 | 3139.1 | 46982. | 8133.8 | 4071.0 |
| #3        | 2357.1 | 3211.2 | 46632. | 8239.5 | 4190.3 |

Sample Name: S2      Acquired: 6/4/2018 12:38:30      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      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    | .02872 | .04915 | 1.0253 | .05882 | .12531 | 2.3144 | 7.3270 | .50612 |
| Stddev | .00022 | .00036 | .0047  | .00020 | .00035 | .0096  | .0164  | .00165 |
| %RSD   | .75195 | .72454 | .45497 | .34360 | .27951 | .41618 | .22398 | .32662 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .02862 | .04954 | 1.0290 | .05879 | .12548 | 2.3112 | 7.3115 | .50788 |
| #2 | .02857 | .04883 | 1.0201 | .05864 | .12490 | 2.3067 | 7.3254 | .50459 |
| #3 | .02897 | .04909 | 1.0268 | .05904 | .12553 | 2.3252 | 7.3442 | .50590 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 1.3848 | 1.7584 | .61081 | .41917 | .31045 | .35585 | .67187 | .22877 |
| Stddev | .0064  | .0017  | .00054 | .00141 | .00033 | .00287 | .00186 | .00051 |
| %RSD   | .46379 | .09557 | .08852 | .33734 | .10761 | .80690 | .27693 | .22075 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.3875 | 1.7566 | .61141 | .41996 | .31007 | .35720 | .67293 | .22877 |
| #2 | 1.3775 | 1.7600 | .61036 | .41754 | .31059 | .35255 | .67296 | .22826 |
| #3 | 1.3895 | 1.7585 | .61064 | .42001 | .31070 | .35780 | .66972 | .22927 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .24440 | .09054 | .21097 | .02939 | .15602 | .63559 | .16253 | .38839 |
| Stddev | .00097 | .00061 | .00053 | .00028 | .00077 | .00033 | .00009 | .00176 |
| %RSD   | .39660 | .67724 | .25157 | .95522 | .49148 | .05255 | .05693 | .45410 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .24437 | .09121 | .21040 | .02956 | .15680 | .63575 | .16250 | .39009 |
| #2 | .24345 | .09041 | .21108 | .02907 | .15527 | .63580 | .16264 | .38852 |
| #3 | .24538 | .09001 | .21144 | .02955 | .15599 | .63520 | .16246 | .38657 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| 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    | .78669 | .02755 | .31374 | .10512 | .30382 | 1.2504 | 10.158 |  |
| Stddev | .00211 | .00020 | .00155 | .00051 | .00159 | .0044  | .011   |  |
| %RSD   | .26831 | .71269 | .49445 | .48509 | .52294 | .35363 | .11169 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | .78719 | .02767 | .31449 | .10536 | .30237 | 1.2476 | 10.146 |  |
| #2 | .78437 | .02732 | .31196 | .10453 | .30358 | 1.2482 | 10.158 |  |
| #3 | .78850 | .02765 | .31478 | .10546 | .30552 | 1.2555 | 10.169 |  |

Sample Name: S2      Acquired: 6/4/2018 12:38:30      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      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       | 2274.1 | 2982.2 | 45235. | 8117.1 | 3707.3 |
| Stddev    | 15.3   | 6.2    | 173.   | 23.0   | 10.7   |
| %RSD      | .67143 | .20719 | .38246 | .28382 | .28942 |
| #1        | 2264.6 | 2978.1 | 45098. | 8093.7 | 3699.3 |
| #2        | 2266.1 | 2989.3 | 45178. | 8117.8 | 3719.5 |
| #3        | 2291.7 | 2979.1 | 45429. | 8139.8 | 3703.2 |



Sample Name: S3      Acquired: 6/4/2018 12:42:23      Type: Cal  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      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    | .05806 | .09683 | 2.0615 | .11642 | .25177 | 4.6578 | 14.711 | 1.0138 |
| Stddev | .00020 | .00016 | .0050  | .00057 | .00038 | .0160  | .031   | .0030  |
| %RSD   | .33902 | .16301 | .24279 | .48745 | .14979 | .34321 | .21218 | .29845 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .05783 | .09668 | 2.0597 | .11632 | .25207 | 4.6762 | 14.731 | 1.0148 |
| #2 | .05813 | .09681 | 2.0576 | .11704 | .25135 | 4.6479 | 14.728 | 1.0163 |
| #3 | .05820 | .09699 | 2.0671 | .11592 | .25190 | 4.6493 | 14.675 | 1.0105 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 2.7662 | 3.4863 | 1.2006 | .84507 | .61773 | .70012 | 1.3206 | .46129 |
| Stddev | .0066  | .0080  | .0039  | .00162 | .00108 | .00459 | .0040  | .00226 |
| %RSD   | .23953 | .22876 | .32537 | .19125 | .17465 | .65526 | .29977 | .49063 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.7601 | 3.4793 | 1.1961 | .84560 | .61863 | .70463 | 1.3161 | .46381 |
| #2 | 2.7653 | 3.4950 | 1.2030 | .84326 | .61653 | .69546 | 1.3232 | .45943 |
| #3 | 2.7732 | 3.4845 | 1.2027 | .84636 | .61804 | .70028 | 1.3225 | .46062 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .48828 | .18838 | .42191 | .05832 | .30899 | 1.2567 | .28565 | .78819 |
| Stddev | .00168 | .00082 | .00165 | .00081 | .00212 | .0018  | .00084 | .00208 |
| %RSD   | .34330 | .43628 | .39190 | 1.3944 | .68463 | .14449 | .29569 | .26434 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .48676 | .18768 | .42271 | .05897 | .30945 | 1.2586 | .28658 | .79055 |
| #2 | .48800 | .18817 | .42001 | .05741 | .30668 | 1.2549 | .28494 | .78741 |
| #3 | .49007 | .18928 | .42302 | .05858 | .31083 | 1.2566 | .28543 | .78662 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| 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    | 1.5765 | .05592 | .63279 | .21228 | .60397 | 2.5201 | 20.350 |  |
| Stddev | .0018  | .00012 | .00358 | .00006 | .00186 | .0034  | .032   |  |
| %RSD   | .11192 | .20674 | .56568 | .02639 | .30795 | .13425 | .15641 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | 1.5747 | .05591 | .63453 | .21226 | .60268 | 2.5225 | 20.384 |  |
| #2 | 1.5766 | .05605 | .63516 | .21223 | .60314 | 2.5217 | 20.342 |  |
| #3 | 1.5783 | .05582 | .62867 | .21234 | .60610 | 2.5162 | 20.322 |  |

Sample Name: S3      Acquired: 6/4/2018 12:42:23      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      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       | 2201.1 | 2888.7 | 44428. | 7952.7 | 3525.8 |
| Stddev    | 3.5    | 2.8    | 68.    | 9.5    | 7.4    |
| %RSD      | .15843 | .09683 | .15371 | .11955 | .20992 |
| #1        | 2198.7 | 2888.0 | 44506. | 7944.3 | 3526.0 |
| #2        | 2199.5 | 2891.8 | 44400. | 7950.9 | 3533.1 |
| #3        | 2205.1 | 2886.4 | 44379. | 7963.0 | 3518.3 |

Sample Name: S4      Acquired: 6/4/2018 12:46:14      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      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    | .11615 | .18681 | 4.0850 | .22863 | .50348 | 9.2178 | 28.839 | 1.9446 |
| Stddev | .00057 | .00208 | .0227  | .00092 | .00179 | .0296  | .054   | .0168  |
| %RSD   | .48807 | 1.1136 | .55632 | .40303 | .35588 | .32146 | .18694 | .86421 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .11680 | .18731 | 4.1042 | .22900 | .50554 | 9.1840 | 28.792 | 1.9515 |
| #2 | .11584 | .18452 | 4.0599 | .22758 | .50240 | 9.2298 | 28.898 | 1.9255 |
| #3 | .11581 | .18859 | 4.0909 | .22931 | .50249 | 9.2395 | 28.827 | 1.9569 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 5.4394 | 6.7676 | 2.3103 | 1.6783 | 1.2073 | 1.3304 | 2.5274 | .90135 |
| Stddev | .0248  | .0109  | .0055  | .0106  | .0019  | .0103  | .0193  | .00561 |
| %RSD   | .45666 | .16148 | .23925 | .62859 | .16165 | .77598 | .76333 | .62205 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.4596 | 6.7665 | 2.3047 | 1.6859 | 1.2054 | 1.3185 | 2.5409 | .89489 |
| #2 | 5.4117 | 6.7573 | 2.3106 | 1.6663 | 1.2073 | 1.3367 | 2.5053 | .90492 |
| #3 | 5.4469 | 6.7791 | 2.3157 | 1.6827 | 1.2093 | 1.3360 | 2.5361 | .90424 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .96009 | .39345 | .82448 | .11343 | .62441 | 2.4500 | .35956 | 1.5264 |
| Stddev | .00480 | .00104 | .00451 | .00102 | .00569 | .0019  | .00269 | .0139  |
| %RSD   | .50018 | .26518 | .54735 | .89746 | .91075 | .07639 | .74773 | .91279 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .96409 | .39376 | .81973 | .11225 | .61968 | 2.4499 | .36096 | 1.5287 |
| #2 | .95476 | .39430 | .82500 | .11407 | .63072 | 2.4483 | .35646 | 1.5114 |
| #3 | .96142 | .39228 | .82871 | .11395 | .62284 | 2.4520 | .36126 | 1.5390 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| Elem   | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 | Sr4077 |  |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |  |
| Avg    | 3.1144 | .11298 | 1.1828 | .42458 | 1.1885 | 4.9984 | 39.713 |  |
| Stddev | .0144  | .00059 | .0109  | .00100 | .0059  | .0144  | .026   |  |
| %RSD   | .46328 | .52654 | .91859 | .23610 | .49534 | .28711 | .06445 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | 3.1309 | .11325 | 1.1840 | .42560 | 1.1817 | 4.9837 | 39.714 |  |
| #2 | 3.1042 | .11230 | 1.1715 | .42360 | 1.1914 | 5.0124 | 39.687 |  |
| #3 | 3.1080 | .11340 | 1.1931 | .42455 | 1.1923 | 4.9990 | 39.738 |  |

Sample Name: S4      Acquired: 6/4/2018 12:46:14      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      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       | 2106.7 | 2747.5 | 43236. | 7920.3 | 3287.1 |
| Stddev    | 7.8    | 15.3   | 123.   | 61.2   | 15.0   |
| %RSD      | .36858 | .55569 | .28459 | .77244 | .45545 |
| #1        | 2101.1 | 2729.9 | 43180. | 7876.3 | 3270.6 |
| #2        | 2103.4 | 2756.7 | 43377. | 7990.2 | 3299.7 |
| #3        | 2115.6 | 2756.0 | 43150. | 7894.6 | 3291.1 |

Sample Name: S5      Acquired: 6/4/2018 12:50:03      Type: Cal  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      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    | .23236 | .34372 | 7.8658 | .44814 | 1.0100 | 18.127 | 54.493 | 3.7245 |
| Stddev | .00178 | .00359 | .0619  | .00278 | .0071  | .075   | .613   | .0267  |
| %RSD   | .76403 | 1.0454 | .78758 | .61978 | .70471 | .41308 | 1.1245 | .71636 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .23129 | .34495 | 7.8584 | .44666 | 1.0073 | 18.078 | 53.786 | 3.7480 |
| #2 | .23139 | .33967 | 7.8079 | .44642 | 1.0046 | 18.090 | 54.820 | 3.6955 |
| #3 | .23441 | .34652 | 7.9311 | .45134 | 1.0180 | 18.213 | 54.873 | 3.7299 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 10.269 | 12.989 | 4.2853 | 3.1939 | 2.3062 | 2.5340 | 4.7973 | 1.7831 |
| Stddev | .075   | .032   | .0173  | .0259  | .0080  | .0174  | .0045  | .0104  |
| %RSD   | .72882 | .24496 | .40466 | .81226 | .34599 | .68830 | .09384 | .58432 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.273 | 13.003 | 4.3011 | 3.1947 | 2.2993 | 2.5243 | 4.7921 | 1.7787 |
| #2 | 10.192 | 12.953 | 4.2668 | 3.1676 | 2.3045 | 2.5235 | 4.7992 | 1.7755 |
| #3 | 10.342 | 13.012 | 4.2879 | 3.2195 | 2.3150 | 2.5541 | 4.8004 | 1.7949 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 1.8222 | .68235 | 1.5931 | .21464 | 1.2748 | 4.8184 | 1.8181 | 2.7772 |
| Stddev | .0124  | .00437 | .0104  | .00107 | .0098  | .0205  | .0138  | .0030  |
| %RSD   | .67916 | .64019 | .65166 | .49930 | .77109 | .42648 | .76071 | .10833 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.8209 | .67850 | 1.5870 | .21372 | 1.2673 | 4.8022 | 1.8212 | 2.7795 |
| #2 | 1.8105 | .68146 | 1.5873 | .21439 | 1.2713 | 4.8116 | 1.8030 | 2.7738 |
| #3 | 1.8352 | .68710 | 1.6051 | .21582 | 1.2860 | 4.8415 | 1.8301 | 2.7784 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| 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    | 5.9582 | .22157 | 2.2113 | .79838 | 2.2148 | 9.8372 | 74.225 |  |
| Stddev | .0332  | .00187 | .0056  | .00628 | .0094  | .0231  | .593   |  |
| %RSD   | .55746 | .84505 | .25263 | .78721 | .42432 | .23440 | .79946 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | 5.9513 | .22235 | 2.2152 | .79820 | 2.2091 | 9.8287 | 74.354 |  |
| #2 | 5.9291 | .21944 | 2.2049 | .79219 | 2.2097 | 9.8197 | 73.578 |  |
| #3 | 5.9944 | .22293 | 2.2139 | .80475 | 2.2257 | 9.8634 | 74.743 |  |

Sample Name: S5      Acquired: 6/4/2018 12:50:03      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      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       | 1987.7 | 2580.9 | 42096. | 7898.2 | 3089.2 |
| Stddev    | 8.2    | 12.0   | 67.    | 33.6   | 19.1   |
| %RSD      | .41245 | .46576 | .16022 | .42511 | .61938 |
| #1        | 1990.6 | 2586.6 | 42020. | 7887.1 | 3090.9 |
| #2        | 1994.0 | 2589.1 | 42149. | 7935.9 | 3107.4 |
| #3        | 1978.4 | 2567.1 | 42119. | 7871.6 | 3069.3 |

Sample Name: S6      Acquired: 6/4/2018 12:54:09      Type: Cal  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      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    | 49.603 | 22.316 | 6.9862 | 3.0371 | 4.5926 |
| Stddev | .156   | .095   | .0252  | .0143  | .0215  |
| %RSD   | .31530 | .42653 | .36125 | .46926 | .46762 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 49.549 | 22.206 | 6.9778 | 3.0323 | 4.5819 |
| #2 | 49.780 | 22.372 | 6.9662 | 3.0259 | 4.5786 |
| #3 | 49.482 | 22.369 | 7.0145 | 3.0532 | 4.6173 |

|           |        |
|-----------|--------|
| Int. Std. | Y_3710 |
| Units     | Cts/S  |
| Avg       | 7666.5 |
| Stddev    | 11.2   |
| %RSD      | .14670 |

|    |        |
|----|--------|
| #1 | 7678.1 |
| #2 | 7665.7 |
| #3 | 7655.7 |

Sample Name: ICV      Acquired: 6/4/2018 12:58:24      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      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    | 1.043130 | 1.075249 | 1.026274 | 1.072133 | 1.026414 | 2.608572 |
| Stddev | .002350  | .000845  | .003249  | .005135  | .005164  | .010627  |
| %RSD   | .2252676 | .0786017 | .3165449 | .4789214 | .5031497 | .4073999 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.045820 | 1.075553 | 1.025699 | 1.067605 | 1.025080 | 2.619448 |
| #2 | 1.042094 | 1.074294 | 1.023351 | 1.077712 | 1.022048 | 2.608057 |
| #3 | 1.041476 | 1.075900 | 1.029772 | 1.071083 | 1.032115 | 2.598212 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .5174241 | .5425576 | .5326421 | F 11.05123 | .5169984 | .5283181 |
| Stddev | .0020783 | .0007147 | .0016577 | .05705     | .0051928 | .0024665 |
| %RSD   | .4016542 | .1317231 | .3112263 | .5162532   | 1.004404 | .4668536 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5193470 | .5433828 | .5323642 | 11.10769 | .5110451 | .5287756 |
| #2 | .5177060 | .5421409 | .5311409 | 11.05239 | .5205937 | .5256549 |
| #3 | .5152193 | .5421491 | .5344212 | 10.99360 | .5193565 | .5305238 |

|        |          |            |          |          |          |          |
|--------|----------|------------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598     | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm        | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5253131 | F 5.920724 | .5230110 | 6.209723 | .5414738 | .4999843 |
| Stddev | .0043975 | .063270    | .0032132 | .012452  | .0012970 | .0007483 |
| %RSD   | .8371185 | 1.068618   | .6143603 | .2005291 | .2395226 | .1496721 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5287836 | 5.993091 | .5250372 | 6.195665 | .5416532 | .4991906 |
| #2 | .5267879 | 5.893221 | .5246897 | 6.219368 | .5400964 | .5006770 |
| #3 | .5203677 | 5.875860 | .5193062 | 6.214135 | .5426717 | .5000854 |

|        |          |          |          |          |            |            |
|--------|----------|----------|----------|----------|------------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm        |
| Avg    | 10.65576 | .5300165 | 1.085492 | 10.12843 | F .1015485 | F .2748051 |
| Stddev | .29832   | .0032489 | .019755  | .04964   | .0006493   | .0022803   |
| %RSD   | 2.799620 | .6129764 | 1.819875 | .4900968 | .6393678   | .8297731   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 10.54352 | .5308577 | 1.100086 | 10.07486 | .1008078 | .2758484 |
| #2 | 10.99392 | .5264297 | 1.093378 | 10.17286 | .1018188 | .2763770 |
| #3 | 10.42984 | .5327620 | 1.063012 | 10.13757 | .1020190 | .2721898 |



Sample Name: ICV      Acquired: 6/4/2018 12:58:24      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      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 .2638442 | .0183958 | .2668473 | F .2532507 | .2710379 | .0035966 |
| Stddev | .0007732   | .0038556 | .0018885 | .0016833   | .0010085 | .0004560 |
| %RSD   | .2930572   | 20.95903 | .7077259 | .6646767   | .3720761 | 12.67961 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2629708 | .0225337 | .2684063 | .2551636 | .2713233 | .0035830 |
| #2 | .2641206 | .0149042 | .2673883 | .2519958 | .2718728 | .0040593 |
| #3 | .2644413 | .0177495 | .2647473 | .2525928 | .2699174 | .0031476 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .0134894 |
| Stddev | .0000674 |
| %RSD   | .4993225 |

|    |          |
|----|----------|
| #1 | .0135153 |
| #2 | .0134130 |
| #3 | .0135400 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2402.414 | 3103.054 | 47215.37 | 8315.139 | 4059.968 |
| Stddev    | 8.830    | 5.216    | 189.69   | 32.083   | 8.311    |
| %RSD      | .3675639 | .1681013 | .4017647 | .3858413 | .2046962 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2398.041 | 3108.852 | 47433.79 | 8279.069 | 4057.601 |
| #2 | 2412.577 | 3101.566 | 47120.36 | 8325.860 | 4069.206 |
| #3 | 2396.623 | 3098.743 | 47091.95 | 8340.490 | 4053.098 |

Sample Name: ICB      Acquired: 6/4/2018 13:02:23      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      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    | .0001227 | -.000889 | .0000715 | .0003492 | .0009669 | -.000413 | -.000593 |
| Stddev | .0003262 | .001969  | .0004333 | .0018287 | .0011638 | .008190  | .000458  |
| %RSD   | 265.7899 | 221.4000 | 606.3436 | 523.6364 | 120.3658 | 1982.776 | 77.21129 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000250 | .000422  | .0005299 | -.000092 | .0001573 | .003029  | -.000239 |
| #2 | .000262  | -.003153 | -.000331 | -.001219 | .0004428 | -.009762 | -.000431 |
| #3 | .000357  | .000064  | .000016  | .002358  | .0023006 | .005494  | -.001111 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000015 | .0000815 | -.002235 | -.000061 | -.000117 | .0007749 | -.021360 |
| Stddev | .000037  | .0001119 | .016449  | .000280  | .000097  | .0005905 | .015160  |
| %RSD   | 242.5335 | 137.2910 | 735.9464 | 462.3862 | 83.10407 | 76.20116 | 70.97221 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000027 | .0001846 | -.009513 | -.000247 | -.000218 | .0003650 | -.004836 |
| #2 | .000026  | .0000973 | -.013790 | -.000196 | -.000110 | .0014517 | -.024618 |
| #3 | -.000046 | -.000037 | .016598  | .000262  | -.000024 | .0005079 | -.034626 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000662 | .0391757 | .0001167 | .0003844 | .1852814 | .0001581 | .0041646 |
| Stddev | .0006407 | .0352263 | .0001755 | .0001860 | .2203510 | .0011279 | .0033443 |
| %RSD   | 968.2370 | 89.91879 | 150.4198 | 48.37420 | 118.9278 | 713.5506 | 80.30271 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000454 | .0218366 | .0003032 | .0004907 | .4025358 | .0014605 | .0013998 |
| #2 | -.000129 | .0797108 | .0000918 | .0004930 | .1913493 | -.000496 | .0032122 |
| #3 | .000782  | .0159798 | -.000045 | .0001697 | -.038041 | -.000491 | .0078817 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.044786 | -.000450 | .0041834 | -.000088 | -.002753 | -.003300 | -.000250 |
| Stddev | .028690  | .000163  | .0007121 | .000248  | .001840  | .000402  | .000826  |
| %RSD   | 64.05952 | 36.29905 | 17.02293 | 281.3094 | 66.86112 | 12.17309 | 330.0590 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.021403 | -.000638 | .0041088 | -.000187 | -.004738 | -.003099 | -.000872 |
| #2 | -.036154 | -.000363 | .0049299 | .000194  | -.002415 | -.003763 | .000687  |
| #3 | -.076800 | -.000348 | .0035115 | -.000271 | -.001104 | -.003038 | -.000566 |

Sample Name: ICB      Acquired: 6/4/2018 13:02:23      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      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    | -.000787 | .0008821 | -.000063 |
| Stddev | .000942  | .0004164 | .000086  |
| %RSD   | 119.6352 | 47.20225 | 137.2729 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.001165 | .0013625 | .000035  |
| #2 | -.001481 | .0006243 | -.000096 |
| #3 | .000285  | .0006596 | -.000127 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2400.619 | 3129.629 | 47389.25 | 8294.558 | 4144.193 |
| Stddev    | 6.741    | 12.699   | 10.39    | 24.575   | 21.425   |
| %RSD      | .2808157 | .4057535 | .0219260 | .2962788 | .5169871 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2399.596 | 3140.833 | 47391.69 | 8319.150 | 4167.646 |
| #2 | 2407.813 | 3132.218 | 47377.86 | 8270.000 | 4139.285 |
| #3 | 2394.448 | 3115.835 | 47398.21 | 8294.525 | 4125.648 |

Sample Name: ICSA      Acquired: 6/4/2018 13:13:37      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      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    | .0009102 | -.001522 | -.003964 | -.000704 | .0047329 | 252.0477 |
| Stddev | .0050516 | .002935  | .000601  | .001768  | .0027928 | .7340    |
| %RSD   | 554.9721 | 192.8057 | 15.16161 | 251.1230 | 59.00804 | .2912304 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0056992 | -.004223 | -.003337 | -.002695 | .0071341 | 251.4687 |
| #2 | .0013999 | .001601  | -.004536 | .000684  | .0053967 | 251.8011 |
| #3 | -.004368 | -.001945 | -.004020 | -.000101 | .0016680 | 252.8733 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0040775 | .0012489 | .0006826 | 255.5998 | .0482493 | -.000209 |
| Stddev | .0004593 | .0000620 | .0002920 | .2201    | .0004324 | .000502  |
| %RSD   | 11.26344 | 4.960810 | 42.77059 | .0860978 | .8962305 | 240.2240 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0045989 | .0012730 | .0007982 | 255.7613 | .0478378 | -.000210 |
| #2 | .0039007 | .0012952 | .0003506 | 255.6888 | .0486999 | .000294  |
| #3 | .0037329 | .0011785 | .0008991 | 255.3491 | .0482102 | -.000711 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.002482 | 105.9564 | .0108458 | 263.6042 | .0024448 | .0003708 |
| Stddev | .001538  | .7150    | .0010814 | 1.7828   | .0008508 | .0001699 |
| %RSD   | 61.96956 | .6748146 | 9.970725 | .6763283 | 34.80053 | 45.82375 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.003612 | 105.2473 | .0119881 | 261.9974 | .0028666 | .0002073 |
| #2 | -.000730 | 105.9446 | .0107117 | 263.2931 | .0030024 | .0003587 |
| #3 | -.003102 | 106.6772 | .0098377 | 265.5221 | .0014655 | .0005465 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | .6907182 | .0036769 | -.014643 | -.469679 | -.006412 | F .1346724 |
| Stddev | .0507896 | .0012558 | .004696  | .015033  | .000438  | .0025037   |
| %RSD   | 7.353156 | 34.15406 | 32.06873 | 3.200698 | 6.837639 | 1.859087   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .6380550 | .0024915 | -.017419 | -.466264 | -.006698 | .1323967 |
| #2 | .6946998 | .0035463 | -.017288 | -.456648 | -.005907 | .1373544 |
| #3 | .7393997 | .0049929 | -.009221 | -.486126 | -.006629 | .1342663 |

Sample Name: ICSA      Acquired: 6/4/2018 13:13:37      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      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    | .0015273 | .0245075 | -.007035 | -.003536 | -.001429 | .0048139 |
| Stddev | .0006024 | .0029919 | .000469  | .001164  | .002023  | .0006121 |
| %RSD   | 39.44399 | 12.20797 | 6.667021 | 32.92968 | 141.6201 | 12.71603 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0017166 | .0249231 | -.007565 | -.003937 | -.002301 | .0052417 |
| #2 | .0008530 | .0213296 | -.006674 | -.004447 | -.002869 | .0050873 |
| #3 | .0020124 | .0272699 | -.006866 | -.002224 | .000884  | .0041127 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1067224 |
| Stddev | .0001061 |
| %RSD   | .0994456 |

|    |          |
|----|----------|
| #1 | .1066266 |
| #2 | .1067041 |
| #3 | .1068365 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2209.759 | 2769.620 | 43555.19 | 8072.912 | 3361.258 |
| Stddev    | 1.865    | 86.207   | 56.76    | 22.223   | 114.707  |
| %RSD      | .0844198 | 3.112610 | .1303265 | .2752766 | 3.412614 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2211.408 | 2821.654 | 43489.66 | 8090.823 | 3424.734 |
| #2 | 2207.734 | 2817.094 | 43586.99 | 8079.870 | 3430.197 |
| #3 | 2210.135 | 2670.111 | 43588.93 | 8048.042 | 3228.844 |

Sample Name: ICSAB      Acquired: 6/4/2018 13:17:44      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      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    | .1012054 | .0955686 | .0458694 | .0505046 | .5994824 | 246.5162 |
| Stddev | .0015029 | .0040682 | .0016556 | .0045223 | .0043811 | 1.3489   |
| %RSD   | 1.484952 | 4.256861 | 3.609325 | 8.954220 | .7308066 | .5471967 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0996159 | .0914797 | .0468529 | .0464805 | .6004392 | 247.7329 |
| #2 | .1013969 | .0956103 | .0467973 | .0553987 | .5947021 | 245.0656 |
| #3 | .1026032 | .0996159 | .0439579 | .0496345 | .6033061 | 246.7501 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4989002 | .5291972 | 1.030626 | 251.8819 | .5330047 | .5108827 |
| Stddev | .0014780 | .0018402 | .003155  | .3912    | .0019864 | .0018204 |
| %RSD   | .2962529 | .3477393 | .3061018 | .1553096 | .3726779 | .3563337 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4999092 | .5283750 | 1.030445 | 251.4933 | .5312590 | .5121222 |
| #2 | .4972037 | .5279114 | 1.027565 | 251.8768 | .5351660 | .5087927 |
| #3 | .4995877 | .5313052 | 1.033867 | 252.2756 | .5325890 | .5117332 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4901539 | 103.7622 | .4967021 | 259.5313 | 1.029135 | .1950478 |
| Stddev | .0028906 | .7716    | .0011754 | 2.6019   | .002932  | .0008091 |
| %RSD   | .5897411 | .7435974 | .2366344 | 1.002532 | .2848876 | .4148055 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4927406 | 104.2656 | .4954586 | 261.7763 | 1.028559 | .1958831 |
| #2 | .4906873 | 102.8739 | .4977948 | 256.6797 | 1.026535 | .1942677 |
| #3 | .4870336 | 104.1472 | .4968530 | 260.1379 | 1.032313 | .1949927 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | .4660051 | .5005408 | 1.019623 | -.605762 | .0061927 | F .1327020 |
| Stddev | .2224835 | .0118993 | .012355  | .045149  | .0003809 | .0006205   |
| %RSD   | 47.74271 | 2.377291 | 1.211713 | 7.453316 | 6.151191 | .4676219   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3336628 | .5052467 | 1.026490 | -.624473 | .0057565 | .1324856 |
| #2 | .3414854 | .4870082 | 1.005360 | -.554265 | .0064598 | .1322186 |
| #3 | .7228672 | .5093675 | 1.027019 | -.638548 | .0063619 | .1334018 |

Sample Name: ICSAB      Acquired: 6/4/2018 13:17:44      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      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    | .0014857 | .0144433 | -.003407 | -.004032 | -.001474 | .0057057 |
| Stddev | .0000802 | .0049129 | .001670  | .001098  | .001078  | .0008344 |
| %RSD   | 5.401336 | 34.01515 | 49.01446 | 27.23193 | 73.15915 | 14.62337 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0015487 | .0125812 | -.003398 | -.003223 | -.001031 | .0060999 |
| #2 | .0015130 | .0107336 | -.005082 | -.003590 | -.000687 | .0047473 |
| #3 | .0013953 | .0200150 | -.001742 | -.005281 | -.002702 | .0062700 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1044902 |
| Stddev | .0000234 |
| %RSD   | .0224215 |

|    |          |
|----|----------|
| #1 | .1045124 |
| #2 | .1044657 |
| #3 | .1044924 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2226.827 | 2869.268 | 44084.10 | 8082.867 | 3484.903 |
| Stddev    | 4.042    | 1.958    | 58.98    | 39.501   | 3.472    |
| %RSD      | .1815300 | .0682299 | .1337987 | .4887063 | .0996200 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2225.424 | 2871.510 | 44017.63 | 8060.768 | 3487.396 |
| #2 | 2223.672 | 2868.398 | 44104.47 | 8128.472 | 3486.375 |
| #3 | 2231.383 | 2867.896 | 44130.20 | 8059.361 | 3480.938 |

Sample Name: CCV002      Acquired: 6/4/2018 13:21:44      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 5.052394 | 4.917357 | 25.26546 | 5.104654 | 5.046133 | F 152.7212 |
| Stddev | .035312  | .034232  | .08053   | .034844  | .060449  | .7209      |
| %RSD   | .6989153 | .6961410 | .3187436 | .6825997 | 1.197925 | .4720585   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 5.090951 | 4.956866 | 25.35837 | 5.144504 | 5.101851 | 153.1980 |
| #2 | 5.044604 | 4.898643 | 25.21554 | 5.079921 | 5.054684 | 153.0738 |
| #3 | 5.021628 | 4.896561 | 25.22248 | 5.089538 | 4.981864 | 151.8918 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | 9.954676 | .5184473 | 2.531596 | F 245.3331 | 16.92954 | 2.523752 |
| Stddev | .028565  | .0113194 | .011290  | .6177      | 3.09318  | .009079  |
| %RSD   | .2869532 | 2.183334 | .4459513 | .2517955   | 18.27090 | .3597227 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.984052 | .5105171 | 2.544631 | 244.6787 | 15.17557 | 2.534225 |
| #2 | 9.952978 | .5134144 | 2.525235 | 245.4145 | 15.11200 | 2.518123 |
| #3 | 9.926998 | .5314104 | 2.524923 | 245.9061 | 20.50105 | 2.518908 |

|        |          |            |          |            |          |          |
|--------|----------|------------|----------|------------|----------|----------|
| Elem   | Cu3247   | Fe2598     | Mn2576   | Mg2790     | Ni2316   | Ag3280   |
| Units  | ppm      | ppm        | ppm      | ppm        | ppm      | ppm      |
| Avg    | 14.78877 | F 154.6422 | 14.62517 | F 251.5695 | 2.534289 | 1.279663 |
| Stddev | .03773   | 1.3725     | .08522   | 2.4170     | .011002  | .208055  |
| %RSD   | .2551107 | .8875537   | .5827202 | .9607662   | .4341117 | 16.25859 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 14.78090 | 155.1746 | 14.54416 | 252.2036 | 2.546944 | 1.157705 |
| #2 | 14.82981 | 155.6688 | 14.61729 | 253.6062 | 2.526998 | 1.161390 |
| #3 | 14.75559 | 153.0833 | 14.71406 | 248.8987 | 2.528926 | 1.519895 |

|        |            |          |          |          |            |          |
|--------|------------|----------|----------|----------|------------|----------|
| Elem   | Na8183     | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496   |
| Units  | ppm        | ppm      | ppm      | ppm      | ppm        | ppm      |
| Avg    | F 147.0311 | 2.530056 | 15.95554 | 150.9718 | F 6.095383 | 5.144780 |
| Stddev | .4938      | .020889  | 2.24810  | .3846    | .018653    | .107124  |
| %RSD   | .3358575   | .8256497 | 14.08977 | .2547294 | .3060120   | 2.082186 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 147.3119 | 2.542065 | 14.69832 | 150.6425 | 6.115701 | 5.057636 |
| #2 | 147.3205 | 2.542167 | 14.61730 | 151.3945 | 6.091413 | 5.112327 |
| #3 | 146.4609 | 2.505935 | 18.55100 | 150.8785 | 6.079034 | 5.264378 |



Sample Name: CCV002      Acquired: 6/4/2018 13:21:44      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.096688 | 5.025442 | 5.266475 | 5.072513 | 5.004714 | 5.010959 |
| Stddev | .035928  | .027075  | .125082  | .033619  | .010469  | .018673  |
| %RSD   | .7049221 | .5387592 | 2.375065 | .6627775 | .2091810 | .3726443 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 5.137950 | 5.056677 | 5.165033 | 5.108341 | 5.011904 | 5.032234 |
| #2 | 5.079786 | 5.010982 | 5.228158 | 5.067541 | 5.009535 | 5.003352 |
| #3 | 5.072328 | 5.008666 | 5.406234 | 5.041656 | 4.992703 | 4.997289 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 5.078500 |
| Stddev | .012559  |
| %RSD   | .2472986 |

|    |          |
|----|----------|
| #1 | 5.071017 |
| #2 | 5.093000 |
| #3 | 5.071484 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1996.193 | 2726.813 | 40724.39 | 8051.008 | 3316.869 |
| Stddev    | 272.499  | 15.662   | 5253.74  | 47.003   | 15.058   |
| %RSD      | 13.65094 | .5743539 | 12.90073 | .5838132 | .4539906 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2150.359 | 2708.924 | 43744.04 | 8094.656 | 3299.596 |
| #2 | 2156.661 | 2733.466 | 43771.22 | 8001.248 | 3323.776 |
| #3 | 1681.560 | 2738.050 | 34657.91 | 8057.119 | 3327.235 |

Sample Name: CCB002      Acquired: 6/4/2018 13:25:33      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0002592 | .0008411 | -.000810 | -.001206 | .0003146 | .0010910 | -.000579 |
| Stddev | .0016335 | .0013426 | .000285  | .001791  | .0009554 | .0032124 | .000590  |
| %RSD   | 630.1427 | 159.6315 | 35.16936 | 148.4835 | 303.6914 | 294.4597 | 101.9312 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000306 | -.000607 | -.001099 | .000416  | .0013979 | .0045519 | -.001251 |
| #2 | .002100  | .001085  | -.000803 | -.000907 | -.000408 | -.001795 | -.000342 |
| #3 | -.001017 | .002045  | -.000529 | -.003128 | -.000047 | .000516  | -.000144 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000342 | .0000892 | -.011195 | .0000101 | -.000149 | .0007085 | -.017637 |
| Stddev | .0000355 | .0000449 | .005110  | .0001555 | .000361  | .0010429 | .013969  |
| %RSD   | 103.6142 | 50.28391 | 45.63972 | 1538.856 | 243.1573 | 147.1956 | 79.19870 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000051 | .0001300 | -.009319 | -.000161 | .000011  | .0016675 | -.001527 |
| #2 | .0000238 | .0000412 | -.007290 | .000050  | .000106  | .0008600 | -.026374 |
| #3 | .0000737 | .0000965 | -.016978 | .000142  | -.000562 | -.000402 | -.025011 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0002667 | .0096485 | .0004175 | .0001805 | .1677812 | .0002241 | .0019769 |
| Stddev | .0006247 | .0578306 | .0001627 | .0000088 | .1955246 | .0009376 | .0024884 |
| %RSD   | 234.2479 | 599.3726 | 38.97940 | 4.853827 | 116.5355 | 418.4433 | 125.8760 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000392 | .0172017 | .0003570 | .0001773 | -.009584 | -.000527 | .0040576 |
| #2 | .000851  | .0633313 | .0002937 | .0001903 | .135484  | .001275  | -.000780 |
| #3 | .000341  | -.051588 | .0006018 | .0001737 | .377443  | -.000076 | .002653  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.076391 | -.000615 | .0042731 | -.000057 | -.001859 | -.000986 | .0006039 |
| Stddev | .090196  | .000459  | .0000931 | .000083  | .002740  | .000191  | .0011552 |
| %RSD   | 118.0718 | 74.56745 | 2.178366 | 144.7038 | 147.3837 | 19.35319 | 191.2864 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.178200 | -.000776 | .0042003 | -.000121 | .000502  | -.001161 | .0002828 |
| #2 | -.006471 | -.000098 | .0043780 | .000037  | -.004863 | -.000782 | -.000357 |
| #3 | -.044503 | -.000971 | .0042411 | -.000088 | -.001216 | -.001016 | .001886  |

Sample Name: CCB002      Acquired: 6/4/2018 13:25:33      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.001077 | .0003159 | .0000281 |
| Stddev | .000909  | .0005096 | .0000808 |
| %RSD   | 84.39121 | 161.2805 | 288.0020 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.001833 | -.000198 | .0000222 |
| #2 | -.001329 | .000822  | .0001117 |
| #3 | -.000069 | .000324  | -.000050 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2425.027 | 3145.376 | 47915.93 | 8295.225 | 4160.430 |
| Stddev    | 23.825   | 3.620    | 538.56   | 56.420   | 9.103    |
| %RSD      | .9824825 | .1150875 | 1.123977 | .6801553 | .2187955 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2448.738 | 3142.586 | 48537.35 | 8359.350 | 4165.887 |
| #2 | 2401.089 | 3149.467 | 47584.41 | 8273.125 | 4165.482 |
| #3 | 2425.254 | 3144.075 | 47626.04 | 8253.200 | 4149.922 |

Sample Name: J3211-23      Acquired: 6/4/2018 13:29:44      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATZ4      Custom ID2:      Custom ID3:  
Comment:

|        |            |            |            |            |            |          |
|--------|------------|------------|------------|------------|------------|----------|
| Elem   | As1890     | Tl1908     | Pb2203     | Se1960     | Sb2068     | Al3961   |
| Units  | ppm        | ppm        | ppm        | ppm        | ppm        | ppm      |
| Avg    | k .2137148 | k -.127524 | k 1.052476 | k -.175864 | k .0326466 | 147.0340 |
| Stddev | .0061739   | .006906    | .015682    | .002409    | .0026380   | .2641    |
| %RSD   | 2.888840   | 5.415532   | 1.490047   | 1.369532   | 8.080437   | .1796456 |

|    |            |            |            |            |            |          |
|----|------------|------------|------------|------------|------------|----------|
| #1 | k .2091986 | k -.119599 | k 1.035347 | k -.177197 | k .0354783 | 147.1716 |
| #2 | k .2207499 | k -.130714 | k 1.066128 | k -.173083 | k .0302585 | 147.2010 |
| #3 | k .2111958 | k -.132258 | k 1.055953 | k -.177311 | k .0322031 | 146.7295 |

|        |          |          |            |         |            |            |
|--------|----------|----------|------------|---------|------------|------------|
| Elem   | Ba4934   | Be2348   | Cd2144     | Ca3736  | Cr2677     | Co2286     |
| Units  | ppm      | ppm      | ppm        | ppm     | ppm        | ppm        |
| Avg    | 13.79858 | .0453208 | k .0759060 | ^ ***** | k .5752024 | k .8164610 |
| Stddev | .01216   | .0003176 | .0015940   | -----   | .0006497   | .0128627   |
| %RSD   | .0881407 | .7007868 | 2.099984   | -----   | .1129443   | 1.575426   |

|    |          |          |            |         |            |            |
|----|----------|----------|------------|---------|------------|------------|
| #1 | 13.81081 | .0456808 | k .0741153 | ^ ----- | k .5745190 | k .8029586 |
| #2 | 13.78648 | .0452013 | k .0771702 | ^ ----- | k .5752763 | k .8285707 |
| #3 | 13.79846 | .0450803 | k .0764323 | ^ ----- | k .5758120 | k .8178539 |

|        |            |             |            |          |            |            |
|--------|------------|-------------|------------|----------|------------|------------|
| Elem   | Cu3247     | Fe2598      | Mn2576     | Mg2790   | Ni2316     | Ag3280     |
| Units  | ppm        | ppm         | ppm        | ppm      | ppm        | ppm        |
| Avg    | k -.098134 | kF 1379.187 | C .0000000 | 15.87626 | k .2895019 | k -.123955 |
| Stddev | .000461    | 3.379       | .0000000   | .08375   | .0064091   | .000738    |
| %RSD   | .4698484   | .2449993    | .0000000   | .5275033 | 2.213831   | .5957560   |

|    |            |            |            |          |            |            |
|----|------------|------------|------------|----------|------------|------------|
| #1 | k -.098409 | k 1381.851 | C .0000000 | 15.96035 | k .2828244 | k -.123360 |
| #2 | k -.097602 | k 1380.324 | C .0000000 | 15.87558 | k .2956037 | k -.124781 |
| #3 | k -.098392 | k 1375.386 | C .0000000 | 15.79285 | k .2900777 | k -.123723 |

|        |          |            |            |          |            |         |
|--------|----------|------------|------------|----------|------------|---------|
| Elem   | Na8183   | V_2924     | Zn2138     | K_7698   | P_1774     | B_2496  |
| Units  | ppm      | ppm        | ppm        | ppm      | ppm        | ppm     |
| Avg    | 5.694842 | k 1.577535 | k .5345484 | -.317577 | k .2933384 | ^ ***** |
| Stddev | .071677  | .011776    | .0015400   | .021714  | .0064483   | -----   |
| %RSD   | 1.258636 | .7464816   | .2880913   | 6.837394 | 2.198241   | -----   |

|    |          |            |            |          |            |         |
|----|----------|------------|------------|----------|------------|---------|
| #1 | 5.627172 | k 1.572810 | k .5362668 | -.339099 | k .2862281 | ^ ----- |
| #2 | 5.769947 | k 1.590940 | k .5340855 | -.295676 | k .2988074 | ^ ----- |
| #3 | 5.687406 | k 1.568856 | k .5332930 | -.317957 | k .2949796 | ^ ----- |

Sample Name: J3211-23      Acquired: 6/4/2018 13:29:44      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATZ4      Custom ID2:      Custom ID3:  
Comment:

|        |            |            |            |            |            |            |
|--------|------------|------------|------------|------------|------------|------------|
| Elem   | Mo2020     | S_1820     | Si2516     | Sn1899     | Ti3361     | Li6707     |
| Units  | ppm        | ppm        | ppm        | ppm        | ppm        | ppm        |
| Avg    | k -.001938 | k 1.556134 | k 3.093350 | k .0256103 | k .5591117 | k .0227491 |
| Stddev | .000132    | .017366    | .019821    | .0007501   | .0029414   | .0004622   |
| %RSD   | 6.834301   | 1.115973   | .6407511   | 2.928837   | .5260851   | 2.031612   |

|    |            |            |            |            |            |            |
|----|------------|------------|------------|------------|------------|------------|
| #1 | k -.001989 | k 1.536987 | k 3.114751 | k .0247690 | k .5559863 | k .0226525 |
| #2 | k -.001787 | k 1.570868 | k 3.075625 | k .0262092 | k .5618259 | k .0232520 |
| #3 | k -.002037 | k 1.560546 | k 3.089674 | k .0258527 | k .5595229 | k .0223429 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .0927602 |
| Stddev | .0003707 |
| %RSD   | .3996678 |

|    |          |
|----|----------|
| #1 | .0924066 |
| #2 | .0931460 |
| #3 | .0927280 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2908.632 | 3775.516 | 59278.63 | 10712.61 | 3517.591 |
| Stddev    | 6.012    | 39.821   | 166.25   | 48.25    | 50.736   |
| %RSD      | .2066836 | 1.054712 | .2804472 | .4503634 | 1.442355 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2906.711 | 3818.539 | 59141.84 | 10657.35 | 3572.998 |
| #2 | 2903.815 | 3739.953 | 59230.40 | 10734.16 | 3473.403 |
| #3 | 2915.369 | 3768.054 | 59463.66 | 10746.33 | 3506.372 |

Sample Name: PB109821BL      Acquired: 6/4/2018 13:33:52      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      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    | -.001084 | .0009377 | -.001068 | -.003485 | .0003981 | .0035236 | -.000760 |
| Stddev | .003648  | .0008298 | .001363  | .003337  | .0007112 | .0050247 | .000234  |
| %RSD   | 336.4293 | 88.49416 | 127.7048 | 95.75803 | 178.6463 | 142.6008 | 30.82601 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.001398 | .0008408 | .000463  | -.004438 | .0011672 | .0058275 | -.001026 |
| #2 | .002710  | .0018117 | -.002153 | -.006242 | -.000236 | .0069831 | -.000668 |
| #3 | -.004566 | .0001606 | -.001512 | .000225  | .000263  | -.002240 | -.000585 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000209 | .0001260 | -.001680 | .0002645 | -.000119 | -.002602 | .0183956 |
| Stddev | .0000196 | .0000251 | .007854  | .0001717 | .000167  | .001797  | .0084414 |
| %RSD   | 93.77800 | 19.94295 | 467.4895 | 64.93244 | 141.0258 | 69.08787 | 45.88812 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000414 | .0001289 | -.007676 | .0003129 | -.000019 | -.001794 | .0246921 |
| #2 | .0000192 | .0001495 | -.004574 | .0004068 | -.000311 | -.004661 | .0088035 |
| #3 | .0000022 | .0000995 | .007210  | .0000737 | -.000025 | -.001350 | .0216911 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0024043 | .0465487 | .0001892 | .0003119 | -.010760 | .0015319 | -.002538 |
| Stddev | .0004668 | .0502858 | .0003019 | .0002347 | .045455  | .0035614 | .006261  |
| %RSD   | 19.41692 | 108.0284 | 159.5325 | 75.26250 | 422.4513 | 232.4781 | 246.7139 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0028856 | -.001003 | .0004082 | .0000685 | -.047564 | -.001071 | -.002378 |
| #2 | .0019535 | .099183  | .0003147 | .0005368 | .040050  | .005591  | -.008877 |
| #3 | .0023737 | .041466  | -.000155 | .0003303 | -.024766 | .000076  | .003642  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.081095 | -.000542 | .0012280 | -.000026 | .0048931 | -.002391 | -.000345 |
| Stddev | .059089  | .000249  | .0008698 | .000115  | .0020312 | .001486  | .001018  |
| %RSD   | 72.86307 | 45.86605 | 70.82898 | 443.3634 | 41.51121 | 62.13743 | 295.3790 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.016414 | -.000439 | .0021133 | .000035  | .0067735 | -.004009 | .000713  |
| #2 | -.094628 | -.000826 | .0011959 | -.000158 | .0027389 | -.001086 | -.001318 |
| #3 | -.132244 | -.000362 | .0003747 | .000045  | .0051668 | -.002080 | -.000428 |

Sample Name: PB109821BL      Acquired: 6/4/2018 13:33:52      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      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    | -.000549 | .0003860 | .0000018 |
| Stddev | .000820  | .0004176 | .0000754 |
| %RSD   | 149.4630 | 108.1912 | 4186.700 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .000303  | -.000074 | -.000029 |
| #2 | -.001333 | .000742  | -.000053 |
| #3 | -.000616 | .000489  | .000088  |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2420.396 | 3118.469 | 47491.80 | 8198.067 | 4158.143 |
| Stddev    | 16.041   | 17.138   | 359.01   | 234.529  | 21.978   |
| %RSD      | .6627382 | .5495701 | .7559415 | 2.860782 | .5285426 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2402.495 | 3115.734 | 47106.51 | 7927.625 | 4154.283 |
| #2 | 2425.229 | 3102.862 | 47551.95 | 8321.050 | 4138.351 |
| #3 | 2433.465 | 3136.810 | 47816.94 | 8345.525 | 4181.795 |

Sample Name: PB109821BS      Acquired: 6/4/2018 13:38:04      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      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    | .0171930 | .0441216 | .0187512 | .0638352 | .1148486 | .4060074 |
| Stddev | .0001611 | .0028650 | .0024436 | .0014044 | .0033992 | .0105769 |
| %RSD   | .9373241 | 6.493478 | 13.03158 | 2.200106 | 2.959751 | 2.605093 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0171081 | .0408768 | .0186326 | .0654426 | .1187735 | .4050952 |
| #2 | .0173789 | .0463026 | .0212520 | .0632180 | .1129163 | .3959162 |
| #3 | .0170921 | .0451853 | .0163691 | .0628451 | .1128559 | .4170108 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3740487 | .0099782 | .0099466 | 10.12940 | .0203261 | .0972770 |
| Stddev | .0007586 | .0001920 | .0001598 | .03764   | .0003195 | .0012345 |
| %RSD   | .2028154 | 1.924327 | 1.606645 | .3715823 | 1.571826 | 1.269076 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3734996 | .0098041 | .0101189 | 10.09354 | .0202316 | .0986912 |
| #2 | .3749143 | .0101841 | .0099178 | 10.16860 | .0200645 | .0964152 |
| #3 | .3737321 | .0099464 | .0098032 | 10.12606 | .0206822 | .0967244 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0500415 | .2438199 | .0314384 | 9.777367 | .0810774 | .0185986 |
| Stddev | .0028788 | .0222323 | .0015088 | .074307  | .0009063 | .0003563 |
| %RSD   | 5.752914 | 9.118340 | 4.799351 | .7599934 | 1.117847 | 1.915699 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0530274 | .2390086 | .0297363 | 9.783489 | .0821239 | .0190058 |
| #2 | .0472833 | .2243871 | .0319675 | 9.700188 | .0805468 | .0183439 |
| #3 | .0498138 | .2680639 | .0326114 | 9.848424 | .0805615 | .0184462 |

|        |          |          |          |          |            |            |
|--------|----------|----------|----------|----------|------------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm        |
| Avg    | 9.827028 | .0986527 | .1197472 | 8.269531 | F .0091140 | F .0194140 |
| Stddev | .113826  | .0025268 | .0076838 | .077983  | .0006293   | .0016834   |
| %RSD   | 1.158298 | 2.561349 | 6.416680 | .9430190 | 6.904797   | 8.671136   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.718698 | .1013899 | .1161376 | 8.203314 | .0098386 | .0213478 |
| #2 | 9.945651 | .0964091 | .1285711 | 8.355487 | .0087994 | .0182761 |
| #3 | 9.816734 | .0981590 | .1145328 | 8.249790 | .0087040 | .0186182 |



Sample Name: PB109821BS      Acquired: 6/4/2018 13:38:04      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      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    | .0213411 | .1667790 | .1896077 | F .0150957 | .2019202 | .0925183 |
| Stddev | .0002502 | .0032824 | .0011381 | .0006968   | .0022758 | .0009247 |
| %RSD   | 1.172421 | 1.968102 | .6002407 | 4.615832   | 1.127098 | .9994339 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0215915 | .1651897 | .1890520 | .0147735 | .1994123 | .0922237 |
| #2 | .0210911 | .1705535 | .1909169 | .0158953 | .2038540 | .0917769 |
| #3 | .0213406 | .1645937 | .1888541 | .0146184 | .2024943 | .0935544 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .2026597 |
| Stddev | .0006193 |
| %RSD   | .3055685 |

|    |          |
|----|----------|
| #1 | .2019446 |
| #2 | .2030151 |
| #3 | .2030193 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2437.272 | 3123.918 | 48008.90 | 8423.793 | 4108.665 |
| Stddev    | 13.409   | 34.159   | 175.95   | 65.099   | 42.657   |
| %RSD      | .5501644 | 1.093465 | .3664870 | .7728008 | 1.038214 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2434.070 | 3085.200 | 48169.22 | 8483.866 | 4059.615 |
| #2 | 2451.992 | 3149.799 | 48036.82 | 8354.624 | 4137.088 |
| #3 | 2425.754 | 3136.755 | 47820.67 | 8432.888 | 4129.290 |

Sample Name: J3153-01      Acquired: 6/4/2018 13:42:13      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATQ0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1399222 | -.007967 | .8177927 | .0232793 | .0185208 | 138.1781 | 1.149586 |
| Stddev | .0072757 | .004340  | .0125628 | .0022172 | .0031117 | .8384    | .004526  |
| %RSD   | 5.199849 | 54.47566 | 1.536185 | 9.524372 | 16.80102 | .6067449 | .3936787 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1345812 | -.012848 | .8216052 | .0207566 | .0150819 | 137.5530 | 1.144950 |
| #2 | .1369765 | -.006514 | .8037652 | .0249188 | .0193385 | 137.8505 | 1.149816 |
| #3 | .1482089 | -.004540 | .8280075 | .0241625 | .0211420 | 139.1308 | 1.153993 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0288529 | .0068328 | 59.34160 | .9937868 | .3760413 | .1187191 | 687.5988 |
| Stddev | .0003142 | .0002741 | .40299   | .0049933 | .0031584 | .0037087 | 5.6777   |
| %RSD   | 1.088918 | 4.011715 | .6790964 | .5024554 | .8399025 | 3.123952 | .8257252 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0291416 | .0071131 | 58.98289 | .9995520 | .3776431 | .1144979 | 685.2999 |
| #2 | .0285183 | .0065654 | 59.26424 | .9908322 | .3724030 | .1214551 | 683.4311 |
| #3 | .0288989 | .0068199 | 59.77765 | .9909763 | .3780778 | .1202042 | 694.0654 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 26.82841 | 15.05896 | .1680366 | .0005992 | 2.965699 | .7671596 | 1.171147 |
| Stddev | .21850   | .11169   | .0024459 | .0003927 | .221252  | .0021086 | .016280  |
| %RSD   | .8144373 | .7416770 | 1.455549 | 65.53140 | 7.460371 | .2748584 | 1.390093 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 26.57775 | 14.96458 | .1692429 | .0006331 | 2.837258 | .7671843 | 1.156968 |
| #2 | 26.97863 | 15.03003 | .1652219 | .0001907 | 2.838661 | .7650388 | 1.188925 |
| #3 | 26.92884 | 15.18226 | .1696450 | .0009738 | 3.221178 | .7692558 | 1.167547 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.265572 | .4708254 | .9011351 | .0165142 | 1.376516 | 13.25146 | .0082868 |
| Stddev | .026658  | .0042638 | .0135226 | .0000897 | .018619  | .08967   | .0003180 |
| %RSD   | .5062625 | .9055981 | 1.500618 | .5429387 | 1.352615 | .6766894 | 3.837039 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.277418 | .4735372 | .8902909 | .0166019 | 1.395231 | 13.24192 | .0084109 |
| #2 | 5.235044 | .4659108 | .8968278 | .0165180 | 1.357995 | 13.16694 | .0079255 |
| #3 | 5.284252 | .4730283 | .9162867 | .0164227 | 1.376323 | 13.34552 | .0085241 |

Sample Name: J3153-01      Acquired: 6/4/2018 13:42:13      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATQ0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .8993359 | .0795188 | .1643520 |
| Stddev | .0078932 | .0007380 | .0007540 |
| %RSD   | .8776747 | .9280478 | .4587503 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .8946702 | .0797110 | .1634830 |
| #2 | .8948881 | .0787037 | .1648322 |
| #3 | .9084494 | .0801416 | .1647409 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2679.975 | 3509.103 | 53683.46 | 9601.300 | 3790.922 |
| Stddev    | 12.475   | 24.657   | 153.21   | 76.177   | 34.651   |
| %RSD      | .4654738 | .7026655 | .2853876 | .7934022 | .9140462 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2690.952 | 3498.342 | 53751.77 | 9651.174 | 3767.108 |
| #2 | 2666.409 | 3537.312 | 53507.98 | 9639.111 | 3830.674 |
| #3 | 2682.564 | 3491.656 | 53790.63 | 9513.614 | 3774.983 |

Sample Name: J3153-02      Acquired: 6/4/2018 13:46:13      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATQ1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1712535 | -.006240 | 1.632322 | .0149928 | .0164092 | 122.2483 | 2.102819 |
| Stddev | .0050988 | .001904  | .007066  | .0032932 | .0012105 | .6806    | .013590  |
| %RSD   | 2.977366 | 30.51991 | .4328606 | 21.96511 | 7.377122 | .5567187 | .6462768 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1654158 | -.008202 | 1.625317 | .0187920 | .0163009 | 123.0303 | 2.118097 |
| #2 | .1735102 | -.004399 | 1.632202 | .0132322 | .0176702 | 121.9245 | 2.098284 |
| #3 | .1748347 | -.006118 | 1.639447 | .0129541 | .0152564 | 121.7900 | 2.092077 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0245791 | .0110588 | 293.5538 | .5355488 | .3304521 | .2736538 | 521.3756 |
| Stddev | .0001544 | .0000979 | 1.3966   | .0014834 | .0017689 | .0040778 | 2.5629   |
| %RSD   | .6279830 | .8848817 | .4757574 | .2769772 | .5352887 | 1.490129 | .4915676 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0246192 | .0110109 | 295.0626 | .5371164 | .3309485 | .2702639 | 524.3162 |
| #2 | .0244087 | .0109941 | 293.2924 | .5353627 | .3284880 | .2781789 | 519.6169 |
| #3 | .0247095 | .0111713 | 292.3064 | .5341673 | .3319197 | .2725186 | 520.1936 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 23.67736 | 38.64490 | .1761373 | .0006600 | 3.187889 | .5131534 | 3.277889 |
| Stddev | .14167   | .36408   | .0012887 | .0005008 | .043475  | .0037988 | .016689  |
| %RSD   | .5983223 | .9421164 | .7316577 | 75.87949 | 1.363764 | .7402883 | .5091537 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 23.71923 | 39.04140 | .1768314 | .0012383 | 3.210790 | .5153374 | 3.288571 |
| #2 | 23.79337 | 38.32563 | .1746503 | .0003657 | 3.215127 | .5087669 | 3.286438 |
| #3 | 23.51947 | 38.56767 | .1769303 | .0003761 | 3.137751 | .5153558 | 3.258656 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 9.029423 | .7416561 | .6976480 | .0163326 | 5.116114 | 17.36509 | .0263077 |
| Stddev | .079124  | .0034779 | .0039384 | .0002292 | .037893  | .09912   | .0021852 |
| %RSD   | .8762893 | .4689316 | .5645229 | 1.403595 | .7406684 | .5708193 | 8.306475 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 9.119766 | .7434187 | .7008850 | .0160709 | 5.132388 | 17.39794 | .0288215 |
| #2 | 8.996048 | .7376499 | .6987957 | .0164288 | 5.072802 | 17.25371 | .0248621 |
| #3 | 8.972455 | .7438999 | .6932632 | .0164980 | 5.143152 | 17.44361 | .0252393 |

Sample Name: J3153-02      Acquired: 6/4/2018 13:46:13      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATQ1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.418824 | .1047171 | .5466615 |
| Stddev | .008220  | .0005935 | .0026926 |
| %RSD   | .5793325 | .5667190 | .4925553 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.428315 | .1049974 | .5486703 |
| #2 | 1.414201 | .1051184 | .5477122 |
| #3 | 1.413958 | .1040354 | .5436019 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2585.339 | 3369.874 | 51973.69 | 9371.960 | 3615.787 |
| Stddev    | 4.987    | 5.110    | 225.29   | 43.244   | 14.160   |
| %RSD      | .1928912 | .1516240 | .4334632 | .4614203 | .3916197 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2583.425 | 3370.430 | 51798.56 | 9346.752 | 3615.408 |
| #2 | 2591.000 | 3374.683 | 51894.66 | 9421.894 | 3630.132 |
| #3 | 2581.593 | 3364.510 | 52227.84 | 9347.236 | 3601.819 |

Sample Name: J3153-03      Acquired: 6/4/2018 13:50:14      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATQ2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1839285 | -.014754 | 1.507544 | .0183869 | .0143119 | 113.7011 | 1.814960 |
| Stddev | .0053793 | .008770  | .011246  | .0048925 | .0015141 | .1607    | .002503  |
| %RSD   | 2.924648 | 59.44381 | .7459892 | 26.60891 | 10.57938 | .1413671 | .1379145 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1780224 | -.008865 | 1.508550 | .0234165 | .0127763 | 113.5562 | 1.812284 |
| #2 | .1885474 | -.010563 | 1.495829 | .0181002 | .0158036 | 113.8740 | 1.815352 |
| #3 | .1852156 | -.024833 | 1.518253 | .0136440 | .0143558 | 113.6732 | 1.817244 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0244120 | .0106736 | 292.0366 | .5717617 | .2686245 | .2560244 | 577.7553 |
| Stddev | .0000644 | .0003203 | .6738    | .0046443 | .0011681 | .0015595 | 2.8090   |
| %RSD   | .2636182 | 3.000353 | .2307090 | .8122758 | .4348435 | .6091003 | .4861916 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0244863 | .0103096 | 291.3516 | .5744714 | .2693313 | .2568540 | 579.2598 |
| #2 | .0243769 | .0109121 | 292.0598 | .5744146 | .2672762 | .2569936 | 579.4915 |
| #3 | .0243728 | .0107991 | 292.6985 | .5663990 | .2692661 | .2542255 | 574.5145 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 22.10709 | 29.13830 | .1653897 | .0008623 | 3.189853 | .5855928 | 2.969110 |
| Stddev | .07791   | .26024   | .0005768 | .0008325 | .158053  | .0072894 | .029559  |
| %RSD   | .3524412 | .8931271 | .3487617 | 96.54103 | 4.954862 | 1.244790 | .9955600 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 22.08384 | 29.02063 | .1659635 | .0013219 | 3.007790 | .5867766 | 2.967393 |
| #2 | 22.04344 | 29.43660 | .1653956 | .0013638 | 3.269912 | .5777840 | 2.999490 |
| #3 | 22.19397 | 28.95768 | .1648099 | -.000099 | 3.291857 | .5922179 | 2.940447 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 7.645894 | .7154981 | .7549584 | .0154347 | 4.179103 | 17.13991 | .0208427 |
| Stddev | .066984  | .0020165 | .0047326 | .0002575 | .022457  | .07274   | .0026771 |
| %RSD   | .8760729 | .2818298 | .6268715 | 1.668144 | .5373629 | .4243841 | 12.84427 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 7.569345 | .7143648 | .7507695 | .0152969 | 4.164450 | 17.16005 | .0238814 |
| #2 | 7.674576 | .7143033 | .7540134 | .0157317 | 4.167902 | 17.20046 | .0198152 |
| #3 | 7.693760 | .7178263 | .7600922 | .0152754 | 4.204957 | 17.05923 | .0188316 |

Sample Name: J3153-03      Acquired: 6/4/2018 13:50:14      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MDATQ2      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.350657 | .0919735 | .4733392 |
| Stddev | .003434  | .0011653 | .0008452 |
| %RSD   | .2542688 | 1.266983 | .1785707 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.351950 | .0932806 | .4726425 |
| #2 | 1.353256 | .0910434 | .4730955 |
| #3 | 1.346763 | .0915965 | .4742795 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2572.413 | 3345.903 | 51796.59 | 9372.796 | 3623.757 |
| Stddev    | 21.026   | 4.707    | 169.17   | 33.675   | 4.351    |
| %RSD      | .8173758 | .1406684 | .3266003 | .3592893 | .1200618 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2596.526 | 3351.081 | 51795.06 | 9411.203 | 3619.060 |
| #2 | 2562.812 | 3341.884 | 51628.19 | 9358.857 | 3627.650 |
| #3 | 2557.901 | 3344.744 | 51966.52 | 9348.328 | 3624.560 |

Sample Name: J3153-04      Acquired: 6/4/2018 13:54:13      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATQ3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2134944 | .0020116 | 1.809165 | .0227397 | .0154519 | 142.9077 |
| Stddev | .0040949 | .0064704 | .001523  | .0004372 | .0020733 | .5482    |
| %RSD   | 1.918053 | 321.6607 | .0842073 | 1.922716 | 13.41786 | .3835766 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2090487 | .0042613 | 1.807950 | .0226998 | .0168333 | 142.3386 |
| #2 | .2143228 | -.005283 | 1.808670 | .0231954 | .0130678 | 143.4322 |
| #3 | .2171119 | .007057  | 1.810874 | .0223237 | .0164545 | 142.9521 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.681813 | .0270255 | .0176973 | 288.3062 | .5512565 | .3480850 |
| Stddev | .003921  | .0000704 | .0002420 | .5144    | .0018112 | .0006426 |
| %RSD   | .1461970 | .2603608 | 1.367233 | .1784093 | .3285598 | .1845995 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.685180 | .0270379 | .0179010 | 287.8202 | .5509691 | .3484126 |
| #2 | 2.682751 | .0269497 | .0174298 | 288.8449 | .5496062 | .3473447 |
| #3 | 2.677509 | .0270888 | .0177609 | 288.2536 | .5531942 | .3484977 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .3134406 | 547.9927 | F 33.05555 | 52.84601 | .1813859 | .0020235 |
| Stddev | .0050286 | 4.7511   | .24758     | .44034   | .0009303 | .0003424 |
| %RSD   | 1.604313 | .8670010 | .7489963   | .8332566 | .5128786 | 16.92003 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3161416 | 542.9063 | 32.77061 | 52.42576 | .1816405 | .0017401 |
| #2 | .3165416 | 552.3163 | 33.17793 | 53.30402 | .1803548 | .0019264 |
| #3 | .3076387 | 548.7555 | 33.21811 | 52.80824 | .1821624 | .0024039 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.327377 | .5476748 | 5.071793 | 12.41994 | 1.804876 | .7467759 |
| Stddev | .045474  | .0061907 | .036937  | .03966   | .006943  | .0055178 |
| %RSD   | 1.366651 | 1.130365 | .7282825 | .3193607 | .3847025 | .7388832 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.303825 | .5445983 | 5.049055 | 12.37414 | 1.802135 | .7406651 |
| #2 | 3.379796 | .5548011 | 5.051911 | 12.44326 | 1.812771 | .7513931 |
| #3 | 3.298510 | .5436250 | 5.114412 | 12.44242 | 1.799721 | .7482696 |



Sample Name: J3153-04      Acquired: 6/4/2018 13:54:13      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATQ3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0116378 | 6.818410 | 18.65961 | .0384578 | 1.448082 | .1096468 |
| Stddev | .0004280 | .017996  | .09990   | .0018072 | .006979  | .0005411 |
| %RSD   | 3.678021 | .2639392 | .5354010 | 4.699123 | .4819497 | .4934742 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0111573 | 6.804337 | 18.55677 | .0390801 | 1.440088 | .1102555 |
| #2 | .0117781 | 6.838688 | 18.75629 | .0398716 | 1.451199 | .1094644 |
| #3 | .0119781 | 6.812206 | 18.66576 | .0364217 | 1.452960 | .1092205 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .4279461 |
| Stddev | .0017138 |
| %RSD   | .4004640 |

|    |          |
|----|----------|
| #1 | .4265361 |
| #2 | .4298535 |
| #3 | .4274486 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2644.202 | 3404.514 | 53300.43 | 9752.126 | 3559.193 |
| Stddev    | .167     | 9.536    | 77.25    | 50.991   | 8.306    |
| %RSD      | .0063266 | .2800963 | .1449383 | .5228679 | .2333664 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2644.352 | 3409.419 | 53249.87 | 9803.454 | 3554.542 |
| #2 | 2644.233 | 3410.599 | 53389.36 | 9701.479 | 3568.783 |
| #3 | 2644.021 | 3393.524 | 53262.07 | 9751.446 | 3554.255 |

Sample Name: J3153-05      Acquired: 6/4/2018 13:58:09      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATQ4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1790931 | .0158914 | .9252333 | .0210111 | .0146455 | 144.3886 |
| Stddev | .0039711 | .0053106 | .0026915 | .0026193 | .0027395 | .2620    |
| %RSD   | 2.217340 | 33.41825 | .2909000 | 12.46640 | 18.70529 | .1814712 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1751586 | .0129449 | .9236615 | .0184837 | .0171935 | 144.2778 |
| #2 | .1790208 | .0220221 | .9236972 | .0237136 | .0117481 | 144.6879 |
| #3 | .1830998 | .0127073 | .9283411 | .0208359 | .0149949 | 144.2003 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.411788 | .0279687 | .0069278 | 30.79957 | .7333986 | .5145772 |
| Stddev | .006471  | .0003305 | .0001131 | .22978   | .0029433 | .0012166 |
| %RSD   | .2682879 | 1.181585 | 1.632642 | .7460450 | .4013225 | .2364284 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.406064 | .0283422 | .0068734 | 30.54287 | .7353963 | .5149164 |
| #2 | 2.418808 | .0278497 | .0068522 | 30.98604 | .7347808 | .5132269 |
| #3 | 2.410491 | .0277142 | .0070579 | 30.86979 | .7300186 | .5155881 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .1074244 | 616.1431 | F 55.32408 | 5.900882 | .1853246 | .0003474 |
| Stddev | .0018123 | 2.1460   | .04810     | .062650  | .0004955 | .0002520 |
| %RSD   | 1.687036 | .3482878 | .0869360   | 1.061706 | .2673512 | 72.52469 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1056850 | 617.4086 | 55.37164 | 5.953918 | .1852960 | .0002484 |
| #2 | .1093017 | 617.3553 | 55.32513 | 5.916971 | .1858337 | .0006339 |
| #3 | .1072866 | 613.6654 | 55.27547 | 5.831757 | .1848441 | .0001600 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.639003 | .7242473 | .8873258 | 6.842350 | .8791804 | .8125681 |
| Stddev | .005930  | .0048629 | .0091545 | .014077  | .0008595 | .0015666 |
| %RSD   | .2247129 | .6714364 | 1.031701 | .2057260 | .0977573 | .1927923 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.638680 | .7294276 | .8847588 | 6.857452 | .8801208 | .8121156 |
| #2 | 2.645088 | .7197809 | .8797287 | 6.829594 | .8789848 | .8143112 |
| #3 | 2.633241 | .7235333 | .8974898 | 6.840002 | .8784357 | .8112776 |

Sample Name: J3153-05      Acquired: 6/4/2018 13:58:09      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATQ4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0171521 | 1.071664 | 15.87184 | .0094682 | .9254508 | .0629812 |
| Stddev | .0002589 | .007895  | .07815   | .0016127 | .0039117 | .0002246 |
| %RSD   | 1.509561 | .7366841 | .4923820 | 17.03329 | .4226814 | .3566126 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0171638 | 1.073815 | 15.96120 | .0110175 | .9265925 | .0628476 |
| #2 | .0168875 | 1.062917 | 15.83810 | .0095882 | .9286647 | .0628556 |
| #3 | .0174050 | 1.078261 | 15.81623 | .0077988 | .9210953 | .0632405 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1672395 |
| Stddev | .0003156 |
| %RSD   | .1886957 |

|    |          |
|----|----------|
| #1 | .1670558 |
| #2 | .1676039 |
| #3 | .1670589 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2820.814 | 3654.741 | 56149.99 | 10031.11 | 3817.475 |
| Stddev    | 9.929    | 8.648    | 106.83   | 22.85    | 5.842    |
| %RSD      | .3519760 | .2366308 | .1902526 | .2278195 | .1530362 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2830.694 | 3657.341 | 56178.30 | 10016.86 | 3812.137 |
| #2 | 2820.911 | 3661.791 | 56031.86 | 10019.00 | 3823.716 |
| #3 | 2810.838 | 3645.091 | 56239.82 | 10057.47 | 3816.572 |

Sample Name: J3153-06      Acquired: 6/4/2018 14:02:05      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATQ5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1793434 | .0152344 | 1.307322 | .0206743 | .0171369 | 132.1974 |
| Stddev | .0042928 | .0035507 | .017463  | .0026311 | .0017181 | .4578    |
| %RSD   | 2.393626 | 23.30723 | 1.335806 | 12.72651 | 10.02545 | .3463014 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1840867 | .0173155 | 1.297368 | .0236866 | .0188122 | 132.6404 |
| #2 | .1757250 | .0172532 | 1.297112 | .0195104 | .0172195 | 131.7261 |
| #3 | .1782185 | .0111346 | 1.327487 | .0188258 | .0153791 | 132.2258 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.414297 | .0305542 | .0134137 | 65.91274 | .7228738 | .6969620 |
| Stddev | .005217  | .0001854 | .0007859 | .02856   | .0044538 | .0073894 |
| %RSD   | .1528047 | .6066939 | 5.859112 | .0433326 | .6161184 | 1.060231 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.408802 | .0307571 | .0126262 | 65.92237 | .7191413 | .6918781 |
| #2 | 3.414906 | .0305118 | .0134169 | 65.93525 | .7278039 | .6935695 |
| #3 | 3.419183 | .0303938 | .0141980 | 65.88061 | .7216762 | .7054385 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .2080861 | 701.1351 | F 60.81828 | 9.857562 | .2037824 | -.001364 |
| Stddev | .0004150 | 5.4870   | .44335     | .160381  | .0021441 | .000110  |
| %RSD   | .1994425 | .7825846 | .7289771   | 1.626985 | 1.052137 | 8.038852 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2085618 | 707.2056 | 60.89363 | 10.04236 | .2026260 | -.001318 |
| #2 | .2077981 | 696.5285 | 60.34208 | 9.75477  | .2024647 | -.001285 |
| #3 | .2078985 | 699.6712 | 61.21913 | 9.77555  | .2062564 | -.001490 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.359779 | .7177746 | 2.286383 | 7.894531 | 1.129043 | .9217255 |
| Stddev | .134023  | .0097561 | .030575  | .051569  | .016407  | .0164304 |
| %RSD   | 3.989040 | 1.359208 | 1.337248 | .6532304 | 1.453154 | 1.782573 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.376956 | .7285953 | 2.313855 | 7.941405 | 1.115362 | .9390454 |
| #2 | 3.217995 | .7150782 | 2.253444 | 7.839289 | 1.124533 | .9063593 |
| #3 | 3.484385 | .7096504 | 2.291849 | 7.902898 | 1.147232 | .9197716 |

Sample Name: J3153-06      Acquired: 6/4/2018 14:02:05      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATQ5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0196763 | 2.229399 | 12.81566 | .0158521 | .9834958 | .0839090 |
| Stddev | .0003588 | .033342  | .07878   | .0020576 | .0065075 | .0004817 |
| %RSD   | 1.823399 | 1.495582 | .6147146 | 12.98020 | .6616739 | .5740869 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0193058 | 2.198158 | 12.90659 | .0177659 | .9881443 | .0834313 |
| #2 | .0197010 | 2.225534 | 12.77242 | .0136758 | .9760587 | .0843947 |
| #3 | .0200221 | 2.264506 | 12.76797 | .0161146 | .9862845 | .0839011 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .2501154 |
| Stddev | .0004864 |
| %RSD   | .1944693 |

|    |          |
|----|----------|
| #1 | .2503238 |
| #2 | .2495595 |
| #3 | .2504628 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2766.810 | 3591.553 | 55590.66 | 9965.801 | 3726.828 |
| Stddev    | 2.206    | 24.398   | 93.02    | 70.147   | 32.128   |
| %RSD      | .0797295 | .6793090 | .1673330 | .7038764 | .8620694 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2764.311 | 3614.447 | 55644.04 | 9888.997 | 3751.619 |
| #2 | 2767.636 | 3594.325 | 55483.25 | 9981.922 | 3738.334 |
| #3 | 2768.484 | 3565.888 | 55644.69 | 10026.48 | 3690.532 |

Sample Name: J3153-07      Acquired: 6/4/2018 14:06:00      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATQ6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2193463 | -.000776 | 1.591527 | .0152728 | .0140658 | 143.8102 |
| Stddev | .0036265 | .002788  | .005691  | .0027416 | .0011804 | .3261    |
| %RSD   | 1.653341 | 359.1520 | .3575607 | 17.95050 | 8.392180 | .2267918 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2152820 | -.003228 | 1.585696 | .0181436 | .0133344 | 143.9765 |
| #2 | .2205050 | -.001356 | 1.591818 | .0126820 | .0134355 | 144.0196 |
| #3 | .2222519 | .002256  | 1.597066 | .0149928 | .0154276 | 143.4344 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.519139 | .0305800 | .0161149 | 132.3470 | .5732462 | .3068187 |
| Stddev | .006747  | .0000207 | .0006185 | .2458    | .0024393 | .0010597 |
| %RSD   | .2678113 | .0675856 | 3.837950 | .1857360 | .4255232 | .3453758 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.511572 | .0305563 | .0154028 | 132.1123 | .5709176 | .3059758 |
| #2 | 2.524528 | .0305897 | .0164242 | 132.6026 | .5730381 | .3064719 |
| #3 | 2.521316 | .0305941 | .0165177 | 132.3260 | .5757828 | .3080083 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .4443734 | 599.6141 | F 38.10711 | 27.18154 | .2260640 | .0018679 |
| Stddev | .0029012 | 3.2830   | .26963     | .18289   | .0015751 | .0004223 |
| %RSD   | .6528806 | .5475136 | .7075478   | .6728534 | .6967490 | 22.60642 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4418519 | 602.8054 | 37.83727 | 27.33799 | .2251063 | .0021361 |
| #2 | .4437239 | 599.7903 | 38.10755 | 26.98047 | .2252039 | .0020864 |
| #3 | .4475443 | 596.2465 | 38.37652 | 27.22616 | .2278819 | .0013812 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.979857 | .5956079 | 4.798343 | 11.62008 | 1.606413 | .8148913 |
| Stddev | .028923  | .0078814 | .023912  | .03760   | .017307  | .0089126 |
| %RSD   | .7267456 | 1.323251 | .4983418 | .3236013 | 1.077370 | 1.093722 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.010494 | .5972777 | 4.824060 | 11.58268 | 1.587086 | .8249086 |
| #2 | 3.953023 | .6025206 | 4.776781 | 11.65789 | 1.611671 | .8078394 |
| #3 | 3.976055 | .5870254 | 4.794188 | 11.61967 | 1.620480 | .8119258 |

Sample Name: J3153-07      Acquired: 6/4/2018 14:06:00      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATQ6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0152639 | 6.554316 | 17.44289 | .0514371 | 1.441801 | .1299896 |
| Stddev | .0001816 | .071554  | .04662   | .0016674 | .001829  | .0011956 |
| %RSD   | 1.190026 | 1.091716 | .2672893 | 3.241523 | .1268848 | .9197992 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0150660 | 6.473188 | 17.43998 | .0530468 | 1.442294 | .1286860 |
| #2 | .0154230 | 6.581329 | 17.49090 | .0497175 | 1.439776 | .1310352 |
| #3 | .0153027 | 6.608432 | 17.39778 | .0515471 | 1.443334 | .1302474 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .4991596 |
| Stddev | .0006835 |
| %RSD   | .1369391 |

|    |          |
|----|----------|
| #1 | .4984605 |
| #2 | .4998265 |
| #3 | .4991917 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2804.078 | 3654.124 | 56238.21 | 10210.94 | 3666.818 |
| Stddev    | 14.309   | 2.963    | 35.16    | 39.36    | 6.410    |
| %RSD      | .5103086 | .0810907 | .0625156 | .3855172 | .1748228 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2792.348 | 3655.846 | 56261.98 | 10191.72 | 3665.756 |
| #2 | 2799.865 | 3655.823 | 56197.83 | 10184.88 | 3673.694 |
| #3 | 2820.021 | 3650.702 | 56254.83 | 10256.22 | 3661.006 |

Sample Name: J3153-08      Acquired: 6/4/2018 14:09:56      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATQ7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1901195 | .0135086 | .7986121 | .0182954 | .0159322 | 146.2297 |
| Stddev | .0042308 | .0021295 | .0043397 | .0054689 | .0027718 | 1.7806   |
| %RSD   | 2.225357 | 15.76432 | .5434076 | 29.89215 | 17.39736 | 1.217668 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1949603 | .0157505 | .7978311 | .0229777 | .0150283 | 147.9731 |
| #2 | .1871290 | .0132627 | .7947159 | .0196239 | .0137253 | 146.3019 |
| #3 | .1882693 | .0115127 | .8032892 | .0122847 | .0190431 | 144.4141 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.623206 | .0353763 | .0107264 | 37.38341 | .5915217 | .4176559 |
| Stddev | .033189  | .0002920 | .0004315 | .36285   | .0090339 | .0008588 |
| %RSD   | 1.265215 | .8253641 | 4.022378 | .9706079 | 1.527227 | .2056301 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.650062 | .0356954 | .0102282 | 37.42293 | .6004584 | .4167148 |
| #2 | 2.633455 | .0353109 | .0109748 | 37.72487 | .5917129 | .4183973 |
| #3 | 2.586101 | .0351226 | .0109763 | 37.00242 | .5823937 | .4178555 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .0979075 | 738.2453 | F 70.23709 | 6.801482 | .2143101 | -.001477 |
| Stddev | .0031712 | 9.5997   | 1.60554    | .121654  | .0005746 | .000441  |
| %RSD   | 3.239007 | 1.300342 | 2.285879   | 1.788644 | .2681179 | 29.86417 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1014432 | 749.1676 | 71.61043 | 6.938136 | .2138117 | -.001619 |
| #2 | .0969648 | 734.4220 | 70.62894 | 6.704976 | .2141800 | -.001830 |
| #3 | .0953145 | 731.1463 | 68.47191 | 6.761334 | .2149386 | -.000983 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.266921 | .8307717 | .7317108 | 5.331745 | .5824740 | .9560610 |
| Stddev | .199186  | .0100258 | .0143194 | .104416  | .0017168 | .0158351 |
| %RSD   | 6.097043 | 1.206800 | 1.956971 | 1.958392 | .2947345 | 1.656281 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.266499 | .8400920 | .7441303 | 5.424927 | .5821573 | .9731741 |
| #2 | 3.466317 | .8320583 | .7160480 | 5.351415 | .5809377 | .9419273 |
| #3 | 3.067947 | .8201647 | .7349543 | 5.218892 | .5843271 | .9530816 |



Sample Name: J3153-08      Acquired: 6/4/2018 14:09:56      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATQ7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0142530 | 2.188656 | 15.84581 | .0159389 | .9821991 | .0695741 |
| Stddev | .0003921 | .017841  | .20711   | .0015727 | .0120996 | .0005553 |
| %RSD   | 2.750779 | .8151730 | 1.307013 | 9.866851 | 1.231886 | .7981001 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0144330 | 2.184442 | 16.04116 | .0160450 | .9955941 | .0701837 |
| #2 | .0138033 | 2.173298 | 15.86761 | .0143159 | .9789410 | .0694414 |
| #3 | .0145228 | 2.208227 | 15.62867 | .0174558 | .9720621 | .0690972 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1853703 |
| Stddev | .0021910 |
| %RSD   | 1.181938 |

|    |          |
|----|----------|
| #1 | .1872018 |
| #2 | .1859660 |
| #3 | .1829431 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 3016.790 | 3919.411 | 60079.66 | 10735.82 | 3768.793 |
| Stddev    | 34.228   | 8.117    | 766.89   | 96.03    | 4.269    |
| %RSD      | 1.134571 | .2070875 | 1.276463 | .8945019 | .1132839 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2977.490 | 3925.256 | 59273.83 | 10632.91 | 3770.255 |
| #2 | 3040.070 | 3922.833 | 60164.60 | 10751.50 | 3772.140 |
| #3 | 3032.809 | 3910.144 | 60800.54 | 10823.04 | 3763.985 |

Sample Name: J3153-09      Acquired: 6/4/2018 14:13:53      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATQ8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1952914 | .0041906 | 1.064296 | .0197754 | .0142849 | 146.1703 |
| Stddev | .0039982 | .0017400 | .002086  | .0027777 | .0005296 | .6618    |
| %RSD   | 2.047297 | 41.52138 | .1960106 | 14.04649 | 3.707345 | .4527476 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1937985 | .0021873 | 1.063781 | .0206020 | .0143161 | 145.7779 |
| #2 | .1998212 | .0050588 | 1.062515 | .0166781 | .0137404 | 146.9343 |
| #3 | .1922545 | .0053256 | 1.066591 | .0220459 | .0147982 | 145.7986 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.271119 | .0349117 | .0127938 | 62.42984 | .6402074 | .3610613 |
| Stddev | .003868  | .0000233 | .0001905 | .19176   | .0014282 | .0017732 |
| %RSD   | .1703005 | .0668050 | 1.488984 | .3071591 | .2230761 | .4911198 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.272938 | .0349024 | .0129999 | 62.58585 | .6412970 | .3601860 |
| #2 | 2.273742 | .0348945 | .0126241 | 62.48791 | .6407346 | .3598958 |
| #3 | 2.266677 | .0349382 | .0127575 | 62.21576 | .6385906 | .3631020 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .1763591 | 673.2306 | F 52.04715 | 11.72757 | .2167691 | .0009545 |
| Stddev | .0007089 | 5.8438   | .31316     | .17523   | .0012940 | .0006039 |
| %RSD   | .4019572 | .8680165 | .6016916   | 1.494184 | .5969286 | 63.26717 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1765568 | 669.1052 | 52.27087 | 11.52961 | .2160053 | .0005724 |
| #2 | .1755724 | 679.9177 | 51.68925 | 11.79030 | .2160388 | .0016507 |
| #3 | .1769482 | 670.6690 | 52.18132 | 11.86280 | .2182631 | .0006404 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.337040 | .7390333 | 1.811948 | 7.115899 | .8624485 | .8907554 |
| Stddev | .270116  | .0052207 | .005058  | .041634  | .0029558 | .0132074 |
| %RSD   | 8.094479 | .7064186 | .2791456 | .5850782 | .3427247 | 1.482722 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.386109 | .7336054 | 1.811271 | 7.144769 | .8593689 | .8835719 |
| #2 | 3.045753 | .7440186 | 1.807263 | 7.134755 | .8627141 | .9059977 |
| #3 | 3.579258 | .7394758 | 1.817310 | 7.068174 | .8652627 | .8826968 |

Sample Name: J3153-09      Acquired: 6/4/2018 14:13:53      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATQ8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0145918 | 3.556205 | 14.01924 | .0241327 | 1.114837 | .0887080 |
| Stddev | .0000756 | .015783  | .01681   | .0008246 | .005565  | .0002349 |
| %RSD   | .5182087 | .4438124 | .1199108 | 3.417049 | .4991609 | .2648139 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0145395 | 3.546127 | 14.00298 | .0233098 | 1.111809 | .0885330 |
| #2 | .0145575 | 3.548094 | 14.01820 | .0241293 | 1.121260 | .0889750 |
| #3 | .0146785 | 3.574394 | 14.03655 | .0249590 | 1.111444 | .0886161 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .2564382 |
| Stddev | .0001541 |
| %RSD   | .0600721 |

|    |          |
|----|----------|
| #1 | .2564147 |
| #2 | .2562972 |
| #3 | .2566026 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 3011.513 | 3915.047 | 60356.93 | 10816.48 | 3751.347 |
| Stddev    | 7.253    | 7.582    | 105.97   | 32.46    | 10.180   |
| %RSD      | .2408277 | .1936590 | .1755693 | .3001056 | .2713714 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 3019.661 | 3910.455 | 60308.95 | 10812.18 | 3753.200 |
| #2 | 3009.114 | 3923.798 | 60283.44 | 10786.38 | 3760.474 |
| #3 | 3005.764 | 3910.887 | 60478.40 | 10850.87 | 3740.368 |

Sample Name: J3153-10      Acquired: 6/4/2018 14:17:49      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATQ8D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1938555 | .0039009 | 1.079875 | .0215631 | .0141651 | 146.8546 |
| Stddev | .0083167 | .0047497 | .007103  | .0027014 | .0002292 | 1.3105   |
| %RSD   | 4.290174 | 121.7613 | .6577333 | 12.52802 | 1.618276 | .8924039 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1950390 | .0010640 | 1.074595 | .0197816 | .0141803 | 148.3667 |
| #2 | .1850105 | .0012544 | 1.077079 | .0246714 | .0139286 | 146.0455 |
| #3 | .2015172 | .0093843 | 1.087950 | .0202364 | .0143863 | 146.1517 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.294640 | .0352418 | .0136879 | 63.96808 | .6424877 | .3642996 |
| Stddev | .019359  | .0005170 | .0002839 | .46793   | .0032650 | .0013810 |
| %RSD   | .8436610 | 1.466975 | 2.073836 | .7314989 | .5081771 | .3790948 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.316991 | .0358254 | .0134432 | 64.49556 | .6391293 | .3630823 |
| #2 | 2.283143 | .0350589 | .0136214 | 63.80575 | .6426832 | .3640161 |
| #3 | 2.283787 | .0348412 | .0139991 | 63.60295 | .6456505 | .3658004 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .1787785 | 677.4310 | F 52.72281 | 11.88831 | .2205726 | .0015886 |
| Stddev | .0018652 | 5.1466   | .40201     | .09992   | .0009792 | .0004457 |
| %RSD   | 1.043328 | .7597282 | .7624962   | .8404736 | .4439139 | 28.05315 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1798329 | 683.3733 | 53.16457 | 12.00011 | .2195264 | .0021029 |
| #2 | .1766248 | 674.3894 | 52.62541 | 11.80773 | .2207243 | .0013455 |
| #3 | .1798776 | 674.5304 | 52.37846 | 11.85709 | .2214670 | .0013173 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.282135 | .7380545 | 1.816990 | 7.196739 | .8855805 | .9007742 |
| Stddev | .153338  | .0074228 | .031664  | .045735  | .0042893 | .0070468 |
| %RSD   | 4.671887 | 1.005720 | 1.742690 | .6354947 | .4843441 | .7823042 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.458895 | .7464844 | 1.780494 | 7.249393 | .8872310 | .9087419 |
| #2 | 3.184847 | .7351815 | 1.837161 | 7.173929 | .8887994 | .8982202 |
| #3 | 3.202662 | .7324978 | 1.833315 | 7.166895 | .8807112 | .8953606 |

Sample Name: J3153-10      Acquired: 6/4/2018 14:17:49      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATQ8D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0146162 | 3.654215 | 14.35115 | .0277105 | 1.132498 | .0901306 |
| Stddev | .0001533 | .015047  | .14214   | .0017546 | .008347  | .0008665 |
| %RSD   | 1.048714 | .4117639 | .9904705 | 6.331789 | .7370462 | .9613415 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0144569 | 3.636994 | 14.49118 | .0287540 | 1.142052 | .0910909 |
| #2 | .0146290 | 3.664821 | 14.35527 | .0286927 | 1.128823 | .0894073 |
| #3 | .0147627 | 3.660831 | 14.20698 | .0256848 | 1.126620 | .0898936 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .2587351 |
| Stddev | .0018654 |
| %RSD   | .7209730 |

|    |          |
|----|----------|
| #1 | .2608668 |
| #2 | .2579369 |
| #3 | .2574015 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 3069.007 | 3942.354 | 61101.27 | 10907.01 | 3767.584 |
| Stddev    | 15.466   | 7.209    | 210.65   | 100.26   | 9.116    |
| %RSD      | .5039408 | .1828686 | .3447487 | .9192366 | .2419643 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 3070.294 | 3947.860 | 61317.07 | 10801.23 | 3772.892 |
| #2 | 3083.790 | 3945.007 | 61090.55 | 10919.15 | 3772.801 |
| #3 | 3052.938 | 3934.194 | 60896.18 | 11000.65 | 3757.057 |

Sample Name: J3153-11      Acquired: 6/4/2018 14:21:45      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATQ8S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2769386 | .0636431 | 1.163806 | .0321820 | .0606485 | 161.7306 |
| Stddev | .0013473 | .0043120 | .003736  | .0044677 | .0010398 | .8313    |
| %RSD   | .4864980 | 6.775232 | .3210445 | 13.88256 | 1.714474 | .5140280 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2759456 | .0603773 | 1.167551 | .0273397 | .0603667 | 160.8160 |
| #2 | .2763980 | .0620213 | 1.160079 | .0361441 | .0618002 | 161.9353 |
| #3 | .2784723 | .0685309 | 1.163789 | .0330620 | .0597787 | 162.4404 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.491696 | .1145115 | .1187735 | 81.50330 | 1.041436 | 1.379100 |
| Stddev | .008827  | .0012689 | .0004419 | .03668   | .031859  | .002117  |
| %RSD   | .1607328 | 1.108098 | .3720469 | .0450068 | 3.059139 | .1534807 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 5.485926 | .1134005 | .1191534 | 81.51115 | 1.019538 | 1.378283 |
| #2 | 5.487304 | .1142398 | .1188785 | 81.53542 | 1.026785 | 1.377514 |
| #3 | 5.501857 | .1158943 | .1182885 | 81.46332 | 1.077985 | 1.381504 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .5811196 | 762.5880 | F 51.84312 | 17.37001 | 1.235200 | .0731607 |
| Stddev | .0052863 | 7.3930   | .53377     | .15012   | .004000  | .0011995 |
| %RSD   | .9096764 | .9694579 | 1.029590   | .8642717 | .3238170 | 1.639536 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5764763 | 754.1804 | 52.17316 | 17.19772 | 1.235627 | .0717977 |
| #2 | .5868727 | 765.5111 | 52.12889 | 17.47276 | 1.231003 | .0736292 |
| #3 | .5800097 | 768.0725 | 51.22730 | 17.43955 | 1.238968 | .0740553 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.094543 | 1.647112 | 2.719219 | 7.884931 | 1.051899 | 1.009554 |
| Stddev | .111312  | .013794  | .043681  | .009294  | .007395  | .012151  |
| %RSD   | 2.718534 | .8374812 | 1.606363 | .1178741 | .7030227 | 1.203553 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.973294 | 1.632144 | 2.670398 | 7.893670 | 1.057048 | .996246  |
| #2 | 4.118233 | 1.649879 | 2.732661 | 7.875167 | 1.043425 | 1.020056 |
| #3 | 4.192102 | 1.659313 | 2.754600 | 7.885957 | 1.055224 | 1.012360 |

Sample Name: J3153-11      Acquired: 6/4/2018 14:21:45      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MDATQ8S      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0174599 | 4.626282 | 16.96087 | .0354086 | 1.257311 | .0968354 |
| Stddev | .0005847 | .026333  | .13596   | .0007981 | .005619  | .0010382 |
| %RSD   | 3.348831 | .5692040 | .8016134 | 2.253999 | .4469263 | 1.072134 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0181261 | 4.649622 | 16.81240 | .0363192 | 1.252844 | .0957304 |
| #2 | .0170322 | 4.597734 | 16.99091 | .0348308 | 1.255470 | .0969853 |
| #3 | .0172213 | 4.631490 | 17.07930 | .0350757 | 1.263620 | .0977905 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .3108688 |
| Stddev | .0007761 |
| %RSD   | .2496708 |

|    |          |
|----|----------|
| #1 | .3107460 |
| #2 | .3116990 |
| #3 | .3101613 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 3051.947 | 3921.954 | 60935.84 | 11006.36 | 3714.082 |
| Stddev    | 53.966   | 10.714   | 1241.03  | 23.16    | 1.733    |
| %RSD      | 1.768257 | .2731760 | 2.036626 | .2104548 | .0466673 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 3093.107 | 3910.215 | 61680.86 | 11032.91 | 3712.227 |
| #2 | 3071.886 | 3924.444 | 61623.46 | 10990.32 | 3714.360 |
| #3 | 2990.849 | 3931.204 | 59503.20 | 10995.83 | 3715.660 |

Sample Name: J3153-09LX5      Acquired: 6/4/2018 14:25:40      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATQ8L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0534417 | .0052342 | .2134826 | .0065249 | .0043302 | 34.32091 | .5358696 |
| Stddev | .0007819 | .0013799 | .0008575 | .0013353 | .0014461 | .11379   | .0011800 |
| %RSD   | 1.463113 | 26.36292 | .4016692 | 20.46417 | 33.39558 | .3315439 | .2202088 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0533045 | .0056376 | .2124932 | .0071753 | .0027749 | 34.27220 | .5360302 |
| #2 | .0542831 | .0063675 | .2139453 | .0074103 | .0056341 | 34.45095 | .5369612 |
| #3 | .0527374 | .0036976 | .2140094 | .0049890 | .0045818 | 34.23959 | .5346175 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0089029 | .0012899 | 15.52936 | .1614186 | .0711650 | .0487442 | 164.6833 |
| Stddev | .0000457 | .0000983 | .00755   | .0004800 | .0001545 | .0003816 | 1.2571   |
| %RSD   | .5128256 | 7.622500 | .0485884 | .2973519 | .2171264 | .7829231 | .7633262 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0089351 | .0013390 | 15.52135 | .1616568 | .0712397 | .0490186 | 164.6820 |
| #2 | .0088506 | .0011767 | 15.53634 | .1608661 | .0709874 | .0489056 | 165.9411 |
| #3 | .0089229 | .0013540 | 15.53040 | .1617329 | .0712681 | .0483084 | 163.4269 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 10.90050 | 2.869053 | .0435809 | .0005383 | .8006608 | .1762293 | .4321905 |
| Stddev | .04768   | .032917  | .0006362 | .0002032 | .1740584 | .0045285 | .0004105 |
| %RSD   | .4374104 | 1.147302 | 1.459751 | 37.75116 | 21.73935 | 2.569667 | .0949715 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 10.90811 | 2.838548 | .0431527 | .0005511 | .6120183 | .1721098 | .4319705 |
| #2 | 10.84947 | 2.864669 | .0432781 | .0007348 | .9550390 | .1754998 | .4326641 |
| #3 | 10.94391 | 2.903942 | .0443119 | .0003290 | .8349249 | .1810783 | .4319370 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.557080 | .1700763 | .2155729 | .0034637 | .7122138 | 3.573471 | .0049956 |
| Stddev | .053120  | .0004455 | .0032357 | .0002301 | .0049445 | .016356  | .0009427 |
| %RSD   | 3.411524 | .2619337 | 1.500956 | 6.642721 | .6942361 | .4577035 | 18.86988 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.618404 | .1704761 | .2157957 | .0037257 | .7077454 | 3.583429 | .0040221 |
| #2 | 1.525279 | .1701568 | .2186914 | .0032945 | .7113702 | 3.554594 | .0059040 |
| #3 | 1.527557 | .1695961 | .2122316 | .0033710 | .7175258 | 3.582389 | .0050606 |



Sample Name: J3153-09LX5      Acquired: 6/4/2018 14:25:40      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MDATQ8L      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .2709884 | .0203034 | .0619946 |
| Stddev | .0003686 | .0001064 | .0000417 |
| %RSD   | .1360379 | .5240915 | .0672319 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .2714126 | .0204154 | .0619524 |
| #2 | .2707452 | .0202911 | .0620357 |
| #3 | .2708075 | .0202037 | .0619957 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2612.186 | 3386.879 | 50854.73 | 8931.765 | 4094.408 |
| Stddev    | 7.424    | 10.061   | 142.63   | 36.170   | 12.708   |
| %RSD      | .2842225 | .2970628 | .2804612 | .4049642 | .3103855 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2611.325 | 3385.195 | 50693.72 | 8908.543 | 4094.143 |
| #2 | 2605.230 | 3397.676 | 50965.22 | 8973.440 | 4107.248 |
| #3 | 2620.004 | 3377.767 | 50905.26 | 8913.312 | 4081.835 |

Sample Name: J3153-12      Acquired: 6/4/2018 14:29:44      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATQ9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2342475 | -.003583 | 1.707353 | .0210295 | .0175159 | 162.1904 |
| Stddev | .0052495 | .003728  | .025142  | .0025196 | .0026146 | .0963    |
| %RSD   | 2.240996 | 104.0492 | 1.472583 | 11.98109 | 14.92695 | .0593519 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2286596 | -.006533 | 1.692782 | .0209124 | .0145329 | 162.3000 |
| #2 | .2390759 | .000607  | 1.692891 | .0236056 | .0194102 | 162.1519 |
| #3 | .2350069 | -.004821 | 1.736384 | .0185706 | .0186046 | 162.1194 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.561523 | .0324830 | .0228725 | 192.0832 | .4782357 | .3922067 |
| Stddev | .002619  | .0002929 | .0004904 | .2173    | .0020066 | .0052311 |
| %RSD   | .0735219 | .9016799 | 2.144002 | .1131516 | .4195904 | 1.333747 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.564489 | .0325891 | .0224419 | 192.3289 | .4804053 | .3900970 |
| #2 | 3.559535 | .0321518 | .0227695 | 192.0044 | .4764464 | .3883599 |
| #3 | 3.560543 | .0327080 | .0234063 | 191.9162 | .4778554 | .3981631 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .6556314 | 660.4003 | F 48.73750 | 32.68216 | .3229979 | .0009136 |
| Stddev | .0023652 | .9282    | .29105     | .10824   | .0029545 | .0002865 |
| %RSD   | .3607462 | .1405491 | .5971847   | .3311866 | .9147041 | 31.35698 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .6558747 | 661.1958 | 48.49945 | 32.76000 | .3214236 | .0011995 |
| #2 | .6531540 | 660.6245 | 48.65106 | 32.55856 | .3211640 | .0009147 |
| #3 | .6578656 | 659.3805 | 49.06198 | 32.72792 | .3264061 | .0006266 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.146626 | .6032334 | 4.734017 | 12.53947 | 3.593586 | .9084986 |
| Stddev | .095742  | .0072388 | .007897  | .09209   | .051113  | .0090461 |
| %RSD   | 2.308911 | 1.199992 | .1668157 | .7343618 | 1.422347 | .9957208 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.156642 | .6003178 | 4.730043 | 12.46877 | 3.558390 | .8988624 |
| #2 | 4.046270 | .5979071 | 4.743112 | 12.50604 | 3.570154 | .9168081 |
| #3 | 4.236966 | .6114753 | 4.728896 | 12.64360 | 3.652215 | .9098253 |

Sample Name: J3153-12      Acquired: 6/4/2018 14:29:44      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATQ9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0218187 | 8.956599 | 17.33975 | .0757715 | 1.374451 | .1399242 |
| Stddev | .0005862 | .139295  | .12279   | .0026665 | .005669  | .0005931 |
| %RSD   | 2.686668 | 1.555222 | .7081625 | 3.519191 | .4124620 | .4238664 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0211469 | 8.856221 | 17.45983 | .0728914 | 1.370743 | .1402242 |
| #2 | .0220834 | 8.897947 | 17.21441 | .0762686 | 1.371634 | .1403072 |
| #3 | .0222260 | 9.115629 | 17.34501 | .0781545 | 1.380977 | .1392410 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .6489426 |
| Stddev | .0009477 |
| %RSD   | .1460346 |

|    |          |
|----|----------|
| #1 | .6480678 |
| #2 | .6499493 |
| #3 | .6488106 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2893.806 | 3715.101 | 57337.21 | 10391.98 | 3640.176 |
| Stddev    | 9.940    | 38.467   | 64.72    | 45.20    | 51.242   |
| %RSD      | .3434946 | 1.035430 | .1128843 | .4349647 | 1.407687 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2904.199 | 3735.530 | 57326.65 | 10346.72 | 3668.452 |
| #2 | 2884.391 | 3739.043 | 57406.56 | 10437.13 | 3671.050 |
| #3 | 2892.829 | 3670.729 | 57278.41 | 10392.08 | 3581.025 |

Sample Name: J3153-13      Acquired: 6/4/2018 14:33:41      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATRO      Custom ID2:      Custom ID3:  
Comment:

|        |            |            |            |            |            |          |
|--------|------------|------------|------------|------------|------------|----------|
| Elem   | As1890     | Tl1908     | Pb2203     | Se1960     | Sb2068     | Al3961   |
| Units  | ppm        | ppm        | ppm        | ppm        | ppm        | ppm      |
| Avg    | k .1672134 | k -.027765 | k .7501718 | k -.066092 | k .0173336 | 142.9650 |
| Stddev | .0106054   | .000831    | .0095734   | .003369    | .0010928   | 2.4048   |
| %RSD   | 6.342410   | 2.991277   | 1.276155   | 5.097055   | 6.304565   | 1.682066 |

|    |            |            |            |            |            |          |
|----|------------|------------|------------|------------|------------|----------|
| #1 | k .1791014 | k -.028693 | k .7481131 | k -.069853 | k .0180724 | 140.2984 |
| #2 | k .1638152 | k -.027510 | k .7417953 | k -.063353 | k .0178501 | 143.6275 |
| #3 | k .1587237 | k -.027092 | k .7606071 | k -.065069 | k .0160783 | 144.9691 |

|        |          |            |            |            |            |            |
|--------|----------|------------|------------|------------|------------|------------|
| Elem   | Ba4934   | Be2348     | Cd2144     | Ca3736     | Cr2677     | Co2286     |
| Units  | ppm      | ppm        | ppm        | ppm        | ppm        | ppm        |
| Avg    | 5.497589 | k .0313031 | k .0284688 | k 23.40574 | k .5423076 | k .5031713 |
| Stddev | .050417  | .0003611   | .0004952   | .33179     | .0032894   | .0085175   |
| %RSD   | .9170813 | 1.153599   | 1.739599   | 1.417578   | .6065630   | 1.692768   |

|    |          |            |            |            |            |            |
|----|----------|------------|------------|------------|------------|------------|
| #1 | 5.441932 | k .0309859 | k .0282434 | k 23.03885 | k .5412357 | k .4990772 |
| #2 | 5.510631 | k .0312273 | k .0281264 | k 23.49363 | k .5396878 | k .4974739 |
| #3 | 5.540204 | k .0316961 | k .0290367 | k 23.68475 | k .5459993 | k .5129628 |

|        |            |            |            |          |            |            |
|--------|------------|------------|------------|----------|------------|------------|
| Elem   | Cu3247     | Fe2598     | Mn2576     | Mg2790   | Ni2316     | Ag3280     |
| Units  | ppm        | ppm        | ppm        | ppm      | ppm        | ppm        |
| Avg    | k .0339505 | k 601.1494 | C .0000000 | 5.245775 | k .2111497 | k -.050540 |
| Stddev | .0020371   | 14.8145    | .0000000   | .135917  | .0035885   | .000298    |
| %RSD   | 6.000151   | 2.464354   | .0000000   | 2.590971 | 1.699517   | .5890024   |

|    |            |            |            |          |            |            |
|----|------------|------------|------------|----------|------------|------------|
| #1 | k .0357998 | k 584.6341 | C .0000000 | 5.111567 | k .2101376 | k -.050500 |
| #2 | k .0342845 | k 605.5466 | C .0000000 | 5.242420 | k .2081760 | k -.050856 |
| #3 | k .0317670 | k 613.2673 | C .0000000 | 5.383338 | k .2151356 | k -.050265 |

|        |          |            |            |          |            |            |
|--------|----------|------------|------------|----------|------------|------------|
| Elem   | Na8183   | V_2924     | Zn2138     | K_7698   | P_1774     | B_2496     |
| Units  | ppm      | ppm        | ppm        | ppm      | ppm        | ppm        |
| Avg    | 2.583739 | k .7362630 | k .4997249 | 6.223734 | k .4863095 | k -.735553 |
| Stddev | .094156  | .0066638   | .0099474   | .098646  | .0072417   | .007614    |
| %RSD   | 3.644167 | .9050866   | 1.990576   | 1.584991 | 1.489108   | 1.035127   |

|    |          |            |            |          |            |            |
|----|----------|------------|------------|----------|------------|------------|
| #1 | 2.664862 | k .7294698 | k .4909444 | 6.124381 | k .4831831 | k -.728558 |
| #2 | 2.605863 | k .7365299 | k .5105282 | 6.225164 | k .4811563 | k -.734437 |
| #3 | 2.480491 | k .7427894 | k .4977020 | 6.321657 | k .4945892 | k -.743663 |

Sample Name: J3153-13      Acquired: 6/4/2018 14:33:41      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATR0      Custom ID2:      Custom ID3:  
Comment:

|        |            |            |            |            |            |            |
|--------|------------|------------|------------|------------|------------|------------|
| Elem   | Mo2020     | S_1820     | Si2516     | Sn1899     | Ti3361     | Li6707     |
| Units  | ppm        | ppm        | ppm        | ppm        | ppm        | ppm        |
| Avg    | k .0131881 | k 1.164409 | k 15.77288 | k .0172926 | k .9843681 | k .0434469 |
| Stddev | .0001662   | .015653    | .12569     | .0013153   | .0128127   | .0008359   |
| %RSD   | 1.260358   | 1.344292   | .7968736   | 7.606317   | 1.301620   | 1.923970   |

|    |            |            |            |            |            |            |
|----|------------|------------|------------|------------|------------|------------|
| #1 | k .0130258 | k 1.153859 | k 15.67193 | k .0165806 | k .9695738 | k .0425530 |
| #2 | k .0131806 | k 1.156975 | k 15.73305 | k .0188104 | k .9916557 | k .0442092 |
| #3 | k .0133580 | k 1.182394 | k 15.91366 | k .0164867 | k .9918748 | k .0435786 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1608856 |
| Stddev | .0016045 |
| %RSD   | .9972969 |

|    |          |
|----|----------|
| #1 | .1590591 |
| #2 | .1615304 |
| #3 | .1620675 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 3044.954 | 3949.000 | 60340.10 | 10837.64 | 3815.851 |
| Stddev    | 29.242   | 33.991   | 325.18   | 114.94   | 47.193   |
| %RSD      | .9603586 | .8607457 | .5389088 | 1.060524 | 1.236770 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 3053.817 | 3967.137 | 60609.01 | 10970.19 | 3841.805 |
| #2 | 3012.306 | 3970.075 | 59978.69 | 10765.69 | 3844.371 |
| #3 | 3068.740 | 3909.787 | 60432.59 | 10777.03 | 3761.378 |

Sample Name: J3153-14      Acquired: 6/4/2018 14:37:40      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDA TR1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2423564 | .0070413 | 1.340086 | .0217185 | .0169343 | 140.8043 |
| Stddev | .0044073 | .0041909 | .024179  | .0069495 | .0023802 | 1.5120   |
| %RSD   | 1.818530 | 59.51861 | 1.804257 | 31.99810 | 14.05559 | 1.073829 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2470633 | .0022795 | 1.367725 | .0211244 | .0183316 | 140.7434 |
| #2 | .2383271 | .0101687 | 1.322852 | .0289460 | .0141860 | 142.3459 |
| #3 | .2416787 | .0086757 | 1.329680 | .0150851 | .0182853 | 139.3237 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.223321 | .0331170 | .0114098 | 45.31358 | .6209858 | .3528895 |
| Stddev | .021621  | .0002061 | .0008599 | .21232   | .0028774 | .0057701 |
| %RSD   | .9724652 | .6223776 | 7.536758 | .4685591 | .4633595 | 1.635107 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.221507 | .0329284 | .0122873 | 45.28762 | .6225901 | .3594989 |
| #2 | 2.245792 | .0333371 | .0105685 | 45.53768 | .6176639 | .3488560 |
| #3 | 2.202664 | .0330855 | .0113736 | 45.11542 | .6227034 | .3503136 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .1940839 | 648.2661 | F 51.16257 | 9.056487 | .2159721 | .0001695 |
| Stddev | .0048497 | 8.1742   | 1.07502    | .062657  | .0045118 | .0005812 |
| %RSD   | 2.498743 | 1.260939 | 2.101179   | .6918418 | 2.089081 | 342.8859 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1898123 | 648.0431 | 50.69514 | 9.065148 | .2211456 | .0002607 |
| #2 | .1993557 | 656.5495 | 52.39217 | 9.114362 | .2128531 | .0006998 |
| #3 | .1930837 | 640.2055 | 50.40040 | 8.989950 | .2139177 | -.000452 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.143806 | .7505172 | 1.262448 | 7.934892 | 1.044946 | .8666558 |
| Stddev | .218851  | .0082752 | .012427  | .117003  | .016480  | .0181151 |
| %RSD   | 6.961354 | 1.102605 | .9843347 | 1.474538 | 1.577127 | 2.090235 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.333436 | .7519495 | 1.252970 | 7.977599 | 1.063181 | .8661751 |
| #2 | 3.193651 | .7579828 | 1.276517 | 8.024542 | 1.040543 | .8850066 |
| #3 | 2.904332 | .7416193 | 1.257857 | 7.802535 | 1.031115 | .8487858 |

Sample Name: J3153-14      Acquired: 6/4/2018 14:37:40      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDA TR1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0174199 | 4.250780 | 15.68322 | .0272827 | 1.162253 | .0832964 |
| Stddev | .0002449 | .085008  | .11507   | .0009884 | .014083  | .0009273 |
| %RSD   | 1.406061 | 1.999812 | .7336844 | 3.622715 | 1.211678 | 1.113228 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0176453 | 4.347808 | 15.68769 | .0281585 | 1.160539 | .0832035 |
| #2 | .0174551 | 4.215132 | 15.79599 | .0262111 | 1.177115 | .0842666 |
| #3 | .0171593 | 4.189400 | 15.56599 | .0274785 | 1.149106 | .0824190 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .2484259 |
| Stddev | .0031240 |
| %RSD   | 1.257517 |

|    |          |
|----|----------|
| #1 | .2478882 |
| #2 | .2517839 |
| #3 | .2456057 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 3054.066 | 3970.246 | 60692.75 | 10744.72 | 3796.388 |
| Stddev    | 6.230    | 39.341   | 237.48   | 83.00    | 52.811   |
| %RSD      | .2039929 | .9909024 | .3912851 | .7724485 | 1.391081 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 3059.057 | 3924.838 | 60581.99 | 10739.60 | 3735.481 |
| #2 | 3047.084 | 3994.083 | 60965.38 | 10664.40 | 3829.440 |
| #3 | 3056.058 | 3991.819 | 60530.89 | 10830.15 | 3824.241 |

Sample Name: J3153-15      Acquired: 6/4/2018 14:41:37      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDA TR2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3029000 | .0082694 | 2.238313 | .0208204 | .0140280 | 151.7849 |
| Stddev | .0087459 | .0025175 | .006679  | .0032549 | .0011175 | .0553    |
| %RSD   | 2.887377 | 30.44361 | .2983770 | 15.63326 | 7.966059 | .0364216 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3129139 | .0057490 | 2.234986 | .0171070 | .0148149 | 151.7857 |
| #2 | .2967607 | .0082751 | 2.233951 | .0231796 | .0127489 | 151.8398 |
| #3 | .2990255 | .0107840 | 2.246002 | .0221747 | .0145201 | 151.7292 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.927455 | .0279135 | .0172429 | 185.2338 | .4897911 | .3186029 |
| Stddev | .002990  | .0003372 | .0001349 | .6008    | .0049939 | .0005009 |
| %RSD   | .1021531 | 1.208189 | .7824735 | .3243353 | 1.019599 | .1572061 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.929842 | .0281412 | .0172854 | 185.9139 | .4896501 | .3191411 |
| #2 | 2.928422 | .0280731 | .0170918 | 184.7751 | .4948540 | .3181504 |
| #3 | 2.924100 | .0275260 | .0173515 | 185.0125 | .4848691 | .3185172 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .5625168 | 547.8389 | F 42.57168 | 44.57394 | .2407426 | .0018422 |
| Stddev | .0012025 | .6960    | .40648     | .09991   | .0018911 | .0003023 |
| %RSD   | .2137640 | .1270471 | .9548066   | .2241499 | .7855225 | 16.40896 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5611293 | 548.6414 | 43.03954 | 44.68835 | .2425660 | .0019714 |
| #2 | .5632546 | 547.4758 | 42.30523 | 44.52956 | .2408715 | .0020583 |
| #3 | .5631665 | 547.3996 | 42.37028 | 44.50390 | .2387904 | .0014968 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.960247 | .5725643 | 6.585189 | 9.918967 | 6.122891 | .7397583 |
| Stddev | .116366  | .0065909 | .054207  | .078256  | .021055  | .0058311 |
| %RSD   | 2.938364 | 1.151114 | .8231583 | .7889547 | .3438782 | .7882431 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.969114 | .5800308 | 6.581033 | 10.00793 | 6.102336 | .7357177 |
| #2 | 3.839700 | .5701075 | 6.533180 | 9.88822  | 6.144413 | .7371142 |
| #3 | 4.071925 | .5675548 | 6.641354 | 9.86075  | 6.121923 | .7464430 |



Sample Name: J3153-15      Acquired: 6/4/2018 14:41:37      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MDA TR2      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0190557 | 5.852386 | 18.84072 | .0437239 | 1.176900 | .1117354 |
| Stddev | .0003273 | .006965  | .11513   | .0016209 | .005515  | .0015127 |
| %RSD   | 1.717777 | .1190147 | .6110740 | 3.707089 | .4686434 | 1.353817 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0187618 | 5.849554 | 18.95116 | .0419092 | 1.179415 | .1133627 |
| #2 | .0194085 | 5.847282 | 18.84960 | .0442347 | 1.180709 | .1103721 |
| #3 | .0189969 | 5.860321 | 18.72141 | .0450279 | 1.170575 | .1114714 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .5085160 |
| Stddev | .0017447 |
| %RSD   | .3431000 |

|    |          |
|----|----------|
| #1 | .5105283 |
| #2 | .5075923 |
| #3 | .5074273 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2814.176 | 3624.466 | 55509.68 | 9987.342 | 3737.206 |
| Stddev    | 12.808   | 10.030   | 200.33   | 68.491   | 5.605    |
| %RSD      | .4551398 | .2767263 | .3608904 | .6857820 | .1499735 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2805.325 | 3635.139 | 55389.25 | 9908.307 | 3738.467 |
| #2 | 2828.863 | 3623.022 | 55398.85 | 10024.38 | 3742.073 |
| #3 | 2808.340 | 3615.236 | 55740.93 | 10029.34 | 3731.078 |

Sample Name: J3153-16      Acquired: 6/4/2018 14:45:34      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATE3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2193036 | .0178242 | 1.726151 | .0155268 | .0155610 | 134.2280 |
| Stddev | .0014299 | .0018108 | .011466  | .0052207 | .0032493 | .0944    |
| %RSD   | .6520205 | 10.15954 | .6642705 | 33.62372 | 20.88126 | .0703246 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2181042 | .0189244 | 1.717878 | .0095069 | .0128913 | 134.1287 |
| #2 | .2208860 | .0188139 | 1.721334 | .0188127 | .0146127 | 134.2385 |
| #3 | .2189207 | .0157342 | 1.739240 | .0182609 | .0191790 | 134.3166 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.517987 | .0313279 | .0136636 | 57.17413 | .4569451 | .4105738 |
| Stddev | .002572  | .0002776 | .0002496 | .09050   | .0208089 | .0024847 |
| %RSD   | .0731197 | .8861917 | 1.826731 | .1582811 | 4.553920 | .6051784 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.519017 | .0310746 | .0138772 | 57.08539 | .4802486 | .4091401 |
| #2 | 3.519884 | .0316247 | .0133892 | 57.26628 | .4503648 | .4091385 |
| #3 | 3.515059 | .0312844 | .0137244 | 57.17073 | .4402218 | .4134429 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .3296986 | 582.6000 | F 59.40664 | 10.96731 | .2254875 | -.000526 |
| Stddev | .0026820 | 1.5872   | .22556     | .06338   | .0022682 | .001824  |
| %RSD   | .8134662 | .2724406 | .3796891   | .5779182 | 1.005909 | 346.4376 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3276834 | 580.7675 | 59.44763 | 10.89463 | .2232071 | -.002598 |
| #2 | .3286698 | 583.4915 | 59.60890 | 11.01108 | .2255121 | .000184  |
| #3 | .3327427 | 583.5412 | 59.16340 | 10.99623 | .2277433 | .000835  |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.934338 | .6252334 | 2.847236 | 6.766291 | 1.587304 | .7844543 |
| Stddev | .149659  | .0063699 | .108737  | .018485  | .003635  | .0038546 |
| %RSD   | 5.100263 | 1.018798 | 3.819053 | .2731944 | .2290165 | .4913690 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.041830 | .6261563 | 2.971950 | 6.748860 | 1.583834 | .7871615 |
| #2 | 2.997775 | .6184525 | 2.797480 | 6.764338 | 1.586995 | .7800411 |
| #3 | 2.763409 | .6310915 | 2.772279 | 6.785675 | 1.591084 | .7861602 |

Sample Name: J3153-16      Acquired: 6/4/2018 14:45:34      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDA TR3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0212115 | 3.556431 | 14.40629 | .0561183 | 1.097121 | .1015778 |
| Stddev | .0000244 | .009181  | .12892   | .0021835 | .002565  | .0007526 |
| %RSD   | .1149633 | .2581527 | .8948738 | 3.890904 | .2338182 | .7409408 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0212125 | 3.549584 | 14.26902 | .0551098 | 1.094160 | .1007331 |
| #2 | .0212354 | 3.552844 | 14.52481 | .0546214 | 1.098662 | .1018231 |
| #3 | .0211867 | 3.566863 | 14.42503 | .0586238 | 1.098542 | .1021772 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .3495550 |
| Stddev | .0003442 |
| %RSD   | .0984728 |

|    |          |
|----|----------|
| #1 | .3492881 |
| #2 | .3499435 |
| #3 | .3494334 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2915.827 | 3881.950 | 57778.36 | 10550.11 | 3863.300 |
| Stddev    | 114.284  | 12.865   | 2495.97  | 30.62    | 14.498   |
| %RSD      | 3.919448 | .3314138 | 4.319903 | .2902346 | .3752857 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2784.379 | 3883.495 | 54930.55 | 10580.39 | 3869.410 |
| #2 | 2971.446 | 3893.973 | 58818.42 | 10519.16 | 3873.742 |
| #3 | 2991.655 | 3868.382 | 59586.12 | 10550.77 | 3846.746 |

Sample Name: CCV003      Acquired: 6/4/2018 14:49:29      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV003      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 5.156286 | 4.952221 | 25.39610 | 5.212967 | 5.124452 | F 273.6515 |
| Stddev | .019684  | .041372  | .05559   | .034211  | .025097  | 18.7369    |
| %RSD   | .3817464 | .8354326 | .2189059 | .6562702 | .4897590 | 6.847002   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 5.165065 | 4.986771 | 25.38995 | 5.238802 | 5.147920 | 294.5057 |
| #2 | 5.133740 | 4.906373 | 25.34383 | 5.174169 | 5.097993 | 258.2345 |
| #3 | 5.170052 | 4.963518 | 25.45451 | 5.225931 | 5.127443 | 268.2144 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | 10.19717 | .5326771 | 2.571485 | F 327.8241 | 15.32147 | 2.545617 |
| Stddev | .66262   | .0282376 | .004742  | 20.5543    | .07466   | .008750  |
| %RSD   | 6.498055 | 5.301078 | .1843971 | 6.269921   | .4872671 | .3437460 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 10.91681 | .5641624 | 2.574245 | 350.4089 | 15.24766 | 2.546149 |
| #2 | 9.61228  | .5095947 | 2.566010 | 310.2132 | 15.31980 | 2.536613 |
| #3 | 10.06242 | .5242743 | 2.574200 | 322.8502 | 15.39695 | 2.554090 |

|        |          |            |          |            |          |          |
|--------|----------|------------|----------|------------|----------|----------|
| Elem   | Cu3247   | Fe2598     | Mn2576   | Mg2790     | Ni2316   | Ag3280   |
| Units  | ppm      | ppm        | ppm      | ppm        | ppm      | ppm      |
| Avg    | 15.23815 | F 282.9106 | 15.11216 | F 340.1369 | 2.548938 | 1.181857 |
| Stddev | 1.01794  | 20.3792    | .96311   | 24.3636    | .007551  | .002343  |
| %RSD   | 6.680175 | 7.203403   | 6.373066 | 7.162895   | .2962515 | .1982653 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 16.35773 | 305.8646 | 16.16958 | 367.6182 | 2.555186 | 1.181078 |
| #2 | 14.36837 | 266.9452 | 14.28518 | 321.1839 | 2.540547 | 1.180003 |
| #3 | 14.98836 | 275.9220 | 14.88171 | 331.6086 | 2.551083 | 1.184490 |

|        |            |          |          |          |            |          |
|--------|------------|----------|----------|----------|------------|----------|
| Elem   | Na8183     | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496   |
| Units  | ppm        | ppm      | ppm      | ppm      | ppm        | ppm      |
| Avg    | F 269.3615 | 2.606755 | 15.16567 | 157.3400 | F 7.069202 | 5.389683 |
| Stddev | 17.4155    | .182778  | .10198   | 9.8628   | .080575    | .285919  |
| %RSD   | 6.465482   | 7.011692 | .6724105 | 6.268442 | 1.139801   | 5.304924 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 288.6984 | 2.815534 | 15.28111 | 168.2564 | 7.143864 | 5.713037 |
| #2 | 254.9116 | 2.475607 | 15.08783 | 149.0716 | 6.983793 | 5.170291 |
| #3 | 264.4743 | 2.529124 | 15.12807 | 154.6919 | 7.079949 | 5.285722 |

Sample Name: CCV003      Acquired: 6/4/2018 14:49:29      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV003      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.111723 | 5.283696 | 5.261434 | 5.160458 | 5.209888 | 5.156181 |
| Stddev | .033184  | .037271  | .281021  | .021831  | .337912  | .316189  |
| %RSD   | .6491707 | .7054027 | 5.341140 | .4230354 | 6.485982 | 6.132233 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 5.139086 | 5.310593 | 5.576592 | 5.183652 | 5.583120 | 5.500030 |
| #2 | 5.074812 | 5.241152 | 5.036927 | 5.140311 | 4.924743 | 4.877948 |
| #3 | 5.121271 | 5.299343 | 5.170784 | 5.157411 | 5.121800 | 5.090565 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 5.243172 |
| Stddev | .331741  |
| %RSD   | 6.327105 |

|    |          |
|----|----------|
| #1 | 5.609627 |
| #2 | 4.963326 |
| #3 | 5.156563 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2183.448 | 2769.246 | 44064.75 | 8045.403 | 3304.592 |
| Stddev    | 7.069    | 13.730   | 95.41    | 428.615  | 7.717    |
| %RSD      | .3237379 | .4958147 | .2165325 | 5.327452 | .2335086 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2180.985 | 2755.951 | 44134.17 | 7564.074 | 3297.284 |
| #2 | 2177.940 | 2783.374 | 44104.14 | 8385.832 | 3312.661 |
| #3 | 2191.419 | 2768.413 | 43955.95 | 8186.302 | 3303.830 |

Sample Name: CCB003      Acquired: 6/4/2018 14:53:15      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB003      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.002213 | .0008990 | -.001096 | .0011523 | .0001538 | .0038880 | -.000155 |
| Stddev | .001840  | .0020372 | .002108  | .0019837 | .0013009 | .0056474 | .000153  |
| %RSD   | 83.16654 | 226.6107 | 192.3321 | 172.1539 | 845.7115 | 145.2495 | 99.01751 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.001946 | .0031199 | -.003347 | .0016198 | .0007722 | -.001206 | -.000036 |
| #2 | -.000521 | .0004602 | -.000774 | .0028606 | -.001341 | .002910  | -.000328 |
| #3 | -.004172 | -.000883 | .000833  | -.001023 | .001030  | .009961  | -.000100 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000627 | .0000408 | -.003949 | .0002489 | -.000085 | -.000925 | -.009961 |
| Stddev | .0000334 | .0000663 | .003493  | .0001259 | .000152  | .004248  | .024283  |
| %RSD   | 53.28207 | 162.3001 | 88.45891 | 50.57266 | 178.7679 | 459.3595 | 243.7731 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000242 | .0000278 | -.007552 | .0001305 | .000075  | .003955  | -.033065 |
| #2 | .0000805 | -.000018 | -.003720 | .0002349 | -.000227 | -.003798 | -.012167 |
| #3 | .0000834 | .000113  | -.000576 | .0003811 | -.000103 | -.002932 | .015349  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0005234 | .0280583 | .0000459 | .0002457 | .1067055 | -.002285 | .0040185 |
| Stddev | .0010336 | .0232524 | .0002111 | .0001455 | .1077701 | .002957  | .0081499 |
| %RSD   | 197.4777 | 82.87190 | 460.0946 | 59.20600 | 100.9977 | 129.4126 | 202.8090 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0007060 | .0264027 | -.000163 | .0002330 | .0502177 | .001114  | .0069023 |
| #2 | .0014535 | .0056779 | .000041  | .0003971 | .2309766 | -.004261 | -.005181 |
| #3 | -.000589 | .0520942 | .000259  | .0001070 | .0389222 | -.003708 | .010334  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.094045 | -.000737 | .0024857 | .0001399 | .0085563 | -.001434 | -.000359 |
| Stddev | .057695  | .000415  | .0000378 | .0001390 | .0026311 | .000327  | .000950  |
| %RSD   | 61.34865 | 56.35797 | 1.521267 | 99.42480 | 30.75084 | 22.82049 | 264.6781 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.030016 | -.000371 | .0025262 | -.000002 | .0086121 | -.001059 | -.000341 |
| #2 | -.110123 | -.001189 | .0024512 | .000276  | .0111591 | -.001662 | -.001317 |
| #3 | -.141996 | -.000652 | .0024797 | .000145  | .0058977 | -.001580 | .000582  |

Sample Name: CCB003      Acquired: 6/4/2018 14:53:15      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: CCB003      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0004273 | -.000580 | .0000454 |
| Stddev | .0002187 | .000953  | .0000220 |
| %RSD   | 51.17460 | 164.2093 | 48.48695 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0006760 | -.000861 | .0000259 |
| #2 | .0002652 | .000481  | .0000692 |
| #3 | .0003407 | -.001361 | .0000409 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2496.047 | 3151.438 | 48408.01 | 8413.800 | 4158.836 |
| Stddev    | 20.042   | 81.751   | 108.28   | 29.743   | 110.534  |
| %RSD      | .8029459 | 2.594084 | .2236822 | .3535047 | 2.657803 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2472.930 | 3057.598 | 48311.36 | 8415.650 | 4032.469 |
| #2 | 2508.546 | 3189.487 | 48387.64 | 8442.575 | 4206.488 |
| #3 | 2506.666 | 3207.230 | 48525.03 | 8383.175 | 4237.551 |

Sample Name: J3153-17      Acquired: 6/4/2018 14:57:24      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATE4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2338280 | .0080998 | 3.416613 | .0143074 | .0158585 | 136.0258 |
| Stddev | .0054341 | .0032467 | .013413  | .0060351 | .0016196 | .5011    |
| %RSD   | 2.323969 | 40.08318 | .3925692 | 42.18198 | 10.21303 | .3683541 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2332022 | .0083244 | 3.422783 | .0197508 | .0156620 | 136.4566 |
| #2 | .2395479 | .0047467 | 3.425831 | .0078174 | .0143461 | 135.4759 |
| #3 | .2287339 | .0112284 | 3.401226 | .0153538 | .0175674 | 136.1450 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.917089 | .0300320 | .0184310 | 93.60223 | .5399260 | .3026672 |
| Stddev | .003278  | .0002438 | .0001175 | .07174   | .0027232 | .0019658 |
| %RSD   | .0836755 | .8117662 | .6376151 | .0766415 | .5043607 | .6494780 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.919813 | .0303082 | .0183188 | 93.52426 | .5380079 | .3030330 |
| #2 | 3.913451 | .0299413 | .0185532 | 93.61702 | .5387272 | .3044244 |
| #3 | 3.918003 | .0298466 | .0184211 | 93.66543 | .5430429 | .3005443 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .4549807 | 564.2717 | F 47.12573 | 20.87039 | .2220294 | .0028221 |
| Stddev | .0031089 | 4.1372   | .12930     | .09981   | .0009546 | .0005594 |
| %RSD   | .6833005 | .7331849 | .2743662   | .4782533 | .4299389 | 19.82285 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4583402 | 567.7819 | 46.98451 | 20.88677 | .2230383 | .0033840 |
| #2 | .4522053 | 559.7103 | 47.15438 | 20.76340 | .2219095 | .0022652 |
| #3 | .4543965 | 565.3228 | 47.23830 | 20.96100 | .2211404 | .0028171 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.032844 | .6034226 | 5.553789 | 7.462789 | 2.728112 | .7499620 |
| Stddev | .060744  | .0035926 | .040912  | .050836  | .025346  | .0069447 |
| %RSD   | 2.002881 | .5953725 | .7366573 | .6811990 | .9290693 | .9259999 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.011766 | .6071722 | 5.517149 | 7.509715 | 2.727668 | .7521746 |
| #2 | 3.101320 | .6000108 | 5.546282 | 7.469869 | 2.753677 | .7421806 |
| #3 | 2.985447 | .6030847 | 5.597935 | 7.408784 | 2.702990 | .7555307 |



Sample Name: J3153-17      Acquired: 6/4/2018 14:57:24      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDA TR4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0135710 | 4.243991 | 17.34079 | .0626228 | 1.218296 | .1077812 |
| Stddev | .0002740 | .039308  | .12540   | .0004477 | .003954  | .0002191 |
| %RSD   | 2.019272 | .9262048 | .7231337 | .7149425 | .3245353 | .2033291 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0138580 | 4.236626 | 17.48541 | .0622136 | 1.222797 | .1075287 |
| #2 | .0135430 | 4.286461 | 17.27460 | .0631010 | 1.216703 | .1079220 |
| #3 | .0133120 | 4.208887 | 17.26235 | .0625538 | 1.215387 | .1078929 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .4602221 |
| Stddev | .0006216 |
| %RSD   | .1350600 |

|    |          |
|----|----------|
| #1 | .4601193 |
| #2 | .4596583 |
| #3 | .4608887 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2945.355 | 3778.795 | 57790.55 | 10381.06 | 3810.711 |
| Stddev    | 15.140   | 9.614    | 263.23   | 44.33    | 15.517   |
| %RSD      | .5140454 | .2544259 | .4554958 | .4270366 | .4071906 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2962.836 | 3774.651 | 58045.21 | 10329.89 | 3805.539 |
| #2 | 2936.763 | 3771.948 | 57806.91 | 10405.40 | 3798.441 |
| #3 | 2936.465 | 3789.786 | 57519.51 | 10407.89 | 3828.154 |

Sample Name: J3153-18      Acquired: 6/4/2018 15:01:20      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATE5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2868628 | .0007790 | 3.564769 | .0151171 | .0168676 | 140.3170 |
| Stddev | .0007433 | .0042301 | .051403  | .0035452 | .0034954 | .0891    |
| %RSD   | .2591277 | 543.0402 | 1.441982 | 23.45147 | 20.72247 | .0635132 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2861984 | .0001212 | 3.528304 | .0154191 | .0141053 | 140.4191 |
| #2 | .2876657 | -.003084 | 3.623561 | .0185016 | .0207973 | 140.2551 |
| #3 | .2867244 | .005299  | 3.542442 | .0114305 | .0157003 | 140.2767 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.079520 | .0313002 | .0193550 | 92.67050 | .5245648 | .2947143 |
| Stddev | .005695  | .0002934 | .0010220 | .28171   | .0013348 | .0046824 |
| %RSD   | .1849234 | .9373556 | 5.280146 | .3039882 | .2544628 | 1.588797 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.079972 | .0309670 | .0184355 | 92.66663 | .5243037 | .2919817 |
| #2 | 3.084976 | .0314136 | .0204553 | 92.95412 | .5260109 | .3001210 |
| #3 | 3.073613 | .0315199 | .0191742 | 92.39074 | .5233799 | .2920403 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .5124359 | 608.8004 | F 38.47724 | 23.20209 | .2518546 | .0024598 |
| Stddev | .0054453 | 2.0561   | .19125     | .05801   | .0025508 | .0001319 |
| %RSD   | 1.062625 | .3377372 | .4970490   | .2500393 | 1.012828 | 5.361822 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5066783 | 610.7858 | 38.41168 | 23.24308 | .2501461 | .0025996 |
| #2 | .5175030 | 606.6801 | 38.69266 | 23.22748 | .2547867 | .0023375 |
| #3 | .5131266 | 608.9353 | 38.32740 | 23.13571 | .2506309 | .0024422 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.325014 | .6604260 | 5.936584 | 7.866363 | 2.880932 | .8223942 |
| Stddev | .133791  | .0018422 | .031191  | .093660  | .064803  | .0086004 |
| %RSD   | 4.023783 | .2789477 | .5253954 | 1.190638 | 2.249372 | 1.045781 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.350326 | .6591849 | 5.972579 | 7.828569 | 2.846328 | .8256202 |
| #2 | 3.180375 | .6595503 | 5.917528 | 7.973014 | 2.955691 | .8126472 |
| #3 | 3.444342 | .6625427 | 5.919644 | 7.797504 | 2.840777 | .8289153 |

Sample Name: J3153-18      Acquired: 6/4/2018 15:01:20      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDA TR5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0144501 | 4.523832 | 17.15084 | .0511563 | 1.248138 | .1099006 |
| Stddev | .0002759 | .102330  | .05231   | .0027644 | .002436  | .0007651 |
| %RSD   | 1.909533 | 2.262022 | .3050264 | 5.403922 | .1952082 | .6962038 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0143103 | 4.461319 | 17.09855 | .0509593 | 1.245373 | .1103385 |
| #2 | .0147680 | 4.641924 | 17.15078 | .0540140 | 1.249071 | .1103462 |
| #3 | .0142721 | 4.468252 | 17.20318 | .0484956 | 1.249970 | .1090171 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .4921107 |
| Stddev | .0009485 |
| %RSD   | .1927498 |

|    |          |
|----|----------|
| #1 | .4915249 |
| #2 | .4932051 |
| #3 | .4916022 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2961.833 | 3808.074 | 58479.71 | 10488.27 | 3789.264 |
| Stddev    | 14.290   | 48.550   | 252.69   | 12.36    | 60.181   |
| %RSD      | .4824851 | 1.274917 | .4321006 | .1178301 | 1.588207 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2945.405 | 3845.105 | 58550.53 | 10475.72 | 3827.647 |
| #2 | 2971.388 | 3753.108 | 58199.16 | 10500.42 | 3719.904 |
| #3 | 2968.706 | 3826.009 | 58689.43 | 10488.67 | 3820.240 |

Sample Name: J3153-19      Acquired: 6/4/2018 15:05:16      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDA TR6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2488598 | -.010523 | 14.65771 | .0211651 | .0221667 | 124.9001 | 7.032455 |
| Stddev | .0059694 | .001113  | .03215   | .0063309 | .0016314 | .6402    | .010858  |
| %RSD   | 2.398712 | 10.58061 | .2193150 | 29.91200 | 7.359669 | .5125458 | .1544003 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2449462 | -.009344 | 14.62187 | .0264854 | .0206711 | 125.6343 | 7.044985 |
| #2 | .2557306 | -.011557 | 14.66726 | .0228468 | .0219225 | 124.4588 | 7.026559 |
| #3 | .2459027 | -.010668 | 14.68400 | .0141632 | .0239064 | 124.6072 | 7.025820 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0278078 | .0233356 | 136.2472 | .5904586 | .2330741 | .9278125 | 605.2843 |
| Stddev | .0003463 | .0000501 | .1006    | .0023266 | .0006884 | .0007470 | 4.8500   |
| %RSD   | 1.245408 | .2146316 | .0738600 | .3940354 | .2953345 | .0805081 | .8012783 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0281726 | .0233363 | 136.1647 | .5919302 | .2323122 | .9281866 | 610.7903 |
| #2 | .0277672 | .0233853 | 136.2175 | .5877763 | .2336511 | .9282985 | 601.6448 |
| #3 | .0274835 | .0232851 | 136.3593 | .5916693 | .2332591 | .9269524 | 603.4178 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 26.93911 | 26.23066 | .3528653 | .0029314 | 4.240363 | .5090116 | 13.91392 |
| Stddev | .17123   | .22496   | .0011796 | .0003038 | .122865  | .0041189 | .13129   |
| %RSD   | .6356206 | .8576046 | .3343020 | 10.36357 | 2.897502 | .8092049 | .9436123 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 26.74274 | 26.47256 | .3515931 | .0032298 | 4.352429 | .5137071 | 13.96901 |
| #2 | 27.05727 | 26.19169 | .3530797 | .0029419 | 4.259674 | .5060079 | 13.76406 |
| #3 | 27.01731 | 26.02774 | .3539230 | .0026225 | 4.108987 | .5073200 | 14.00869 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 11.59799 | 3.010950 | .8579070 | .0199682 | 9.038165 | 15.10533 | .0576729 |
| Stddev | .00420   | .008739  | .0096707 | .0002570 | .002070  | .10176   | .0005289 |
| %RSD   | .0361832 | .2902466 | 1.127246 | 1.287021 | .0228985 | .6736976 | .9169925 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 11.59682 | 3.002770 | .8664461 | .0201529 | 9.040426 | 15.21390 | .0582836 |
| #2 | 11.60265 | 3.009923 | .8474056 | .0196747 | 9.037705 | 15.08996 | .0573685 |
| #3 | 11.59451 | 3.020158 | .8598694 | .0200768 | 9.036364 | 15.01212 | .0573666 |

Sample Name: J3153-19      Acquired: 6/4/2018 15:05:16      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDA TR6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.168193 | .1179327 | .5898057 |
| Stddev | .008790  | .0013649 | .0006543 |
| %RSD   | .4053982 | 1.157370 | .1109319 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.176401 | .1194429 | .5902313 |
| #2 | 2.169258 | .1167872 | .5901336 |
| #3 | 2.158919 | .1175679 | .5890524 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2827.169 | 3693.377 | 56484.70 | 10132.09 | 3764.723 |
| Stddev    | 19.864   | 9.855    | 297.04   | 31.92    | 3.445    |
| %RSD      | .7026045 | .2668281 | .5258855 | .3150344 | .0915087 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2821.834 | 3692.862 | 56352.12 | 10097.20 | 3763.728 |
| #2 | 2849.155 | 3703.480 | 56824.95 | 10159.83 | 3768.556 |
| #3 | 2810.517 | 3683.790 | 56277.03 | 10139.24 | 3761.885 |

Sample Name: J3153-20      Acquired: 6/4/2018 15:09:12      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDA TR7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2129015 | .0241836 | 2.057758 | .0149336 | .0162860 | 147.0838 |
| Stddev | .0040795 | .0030789 | .011894  | .0018204 | .0007903 | .4542    |
| %RSD   | 1.916133 | 12.73152 | .5779956 | 12.19005 | 4.852912 | .3088177 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2085547 | .0235674 | 2.044526 | .0153196 | .0160404 | 146.6612 |
| #2 | .2166468 | .0214593 | 2.067558 | .0165301 | .0171700 | 147.0261 |
| #3 | .2135031 | .0275240 | 2.061190 | .0129512 | .0156476 | 147.5641 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.568472 | .0317250 | .0162190 | 30.67476 | .4947683 | .4584022 |
| Stddev | .005278  | .0003531 | .0002487 | .10017   | .0005498 | .0032254 |
| %RSD   | .1479181 | 1.113008 | 1.533406 | .3265654 | .1111270 | .7036140 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.569367 | .0318974 | .0159948 | 30.58379 | .4941425 | .4546801 |
| #2 | 3.562803 | .0319587 | .0164865 | 30.65838 | .4949886 | .4603758 |
| #3 | 3.573245 | .0313188 | .0161759 | 30.78211 | .4951738 | .4601506 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .1983175 | 676.8523 | F 74.59420 | 6.334273 | .2648218 | -.000778 |
| Stddev | .0029410 | 3.9542   | .68647     | .062284  | .0028566 | .000527  |
| %RSD   | 1.482996 | .5842099 | .9202706   | .9832892 | 1.078674 | 67.66288 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1950090 | 672.5230 | 74.53584 | 6.263958 | .2615700 | -.001304 |
| #2 | .1993086 | 677.7605 | 75.30798 | 6.356346 | .2669268 | -.000780 |
| #3 | .2006350 | 680.2735 | 73.93877 | 6.382514 | .2659685 | -.000251 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.048779 | .7410678 | 1.870906 | 7.550367 | 1.075271 | .9044094 |
| Stddev | .030711  | .0068048 | .026438  | .043949  | .006298  | .0090062 |
| %RSD   | 1.007332 | .9182448 | 1.413087 | .5820732 | .5857337 | .9958100 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.082300 | .7333558 | 1.847758 | 7.558855 | 1.069012 | .8943366 |
| #2 | 3.042041 | .7436203 | 1.865244 | 7.589453 | 1.075192 | .9072061 |
| #3 | 3.021997 | .7462273 | 1.899716 | 7.502794 | 1.081608 | .9116855 |

Sample Name: J3153-20      Acquired: 6/4/2018 15:09:12      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDA7R7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0254950 | 1.780244 | 15.18441 | .0402993 | .9110562 | .0982648 |
| Stddev | .0003606 | .006902  | .08565   | .0019539 | .0057671 | .0007469 |
| %RSD   | 1.414464 | .3876790 | .5640432 | 4.848572 | .6330111 | .7601327 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0250827 | 1.772524 | 15.11768 | .0380506 | .9056748 | .0986751 |
| #2 | .0257514 | 1.782393 | 15.28099 | .0412641 | .9171439 | .0974026 |
| #3 | .0256510 | 1.785816 | 15.15457 | .0415831 | .9103499 | .0987166 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .3465968 |
| Stddev | .0007941 |
| %RSD   | .2291284 |

|    |          |
|----|----------|
| #1 | .3467282 |
| #2 | .3473171 |
| #3 | .3457451 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 3005.464 | 3905.022 | 59462.00 | 10605.72 | 3849.478 |
| Stddev    | 11.078   | 7.899    | 161.67   | 51.10    | 17.746   |
| %RSD      | .3686087 | .2022730 | .2718920 | .4817834 | .4609999 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2994.741 | 3913.572 | 59305.76 | 10619.14 | 3868.953 |
| #2 | 3004.784 | 3897.996 | 59451.62 | 10549.25 | 3834.221 |
| #3 | 3016.866 | 3903.499 | 59628.61 | 10648.76 | 3845.260 |

Sample Name: J3153-21      Acquired: 6/4/2018 15:13:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDA TR8      Custom ID2:      Custom ID3:  
Comment:

|        |            |            |            |            |            |          |
|--------|------------|------------|------------|------------|------------|----------|
| Elem   | As1890     | Tl1908     | Pb2203     | Se1960     | Sb2068     | Al3961   |
| Units  | ppm        | ppm        | ppm        | ppm        | ppm        | ppm      |
| Avg    | k .2745769 | k -.005264 | k 5.754227 | k -.050930 | k .0187116 | 149.9514 |
| Stddev | .0051542   | .003167    | .005206    | .001589    | .0012626   | .2815    |
| %RSD   | 1.877143   | 60.17271   | .0904788   | 3.119907   | 6.747706   | .1877360 |

|    |            |            |            |            |            |          |
|----|------------|------------|------------|------------|------------|----------|
| #1 | k .2691657 | k -.001688 | k 5.757762 | k -.051948 | k .0181747 | 150.0998 |
| #2 | k .2751366 | k -.006386 | k 5.756671 | k -.049099 | k .0201539 | 149.6268 |
| #3 | k .2794285 | k -.007717 | k 5.748249 | k -.051743 | k .0178061 | 150.1278 |

|        |          |            |            |            |            |            |
|--------|----------|------------|------------|------------|------------|------------|
| Elem   | Ba4934   | Be2348     | Cd2144     | Ca3736     | Cr2677     | Co2286     |
| Units  | ppm      | ppm        | ppm        | ppm        | ppm        | ppm        |
| Avg    | 7.389947 | k .0336559 | k .0480819 | k 90.57553 | k .6103316 | k .5776526 |
| Stddev | .014849  | .0001366   | .0001305   | .34510     | .0040210   | .0009010   |
| %RSD   | .2009396 | .4058881   | .2713774   | .3810110   | .6588177   | .1559835   |

|    |          |            |            |            |            |            |
|----|----------|------------|------------|------------|------------|------------|
| #1 | 7.377848 | k .0337783 | k .0479317 | k 90.17835 | k .6114309 | k .5779948 |
| #2 | 7.406519 | k .0335086 | k .0481465 | k 90.80212 | k .6058753 | k .5783325 |
| #3 | 7.385474 | k .0336809 | k .0481674 | k 90.74612 | k .6136885 | k .5766306 |

|        |            |            |            |          |            |            |
|--------|------------|------------|------------|----------|------------|------------|
| Elem   | Cu3247     | Fe2598     | Mn2576     | Mg2790   | Ni2316     | Ag3280     |
| Units  | ppm        | ppm        | ppm        | ppm      | ppm        | ppm        |
| Avg    | k .6201630 | k 565.6316 | C .0000000 | 16.63378 | k .3409744 | k -.043454 |
| Stddev | .0020454   | 3.6616     | .0000000   | .21332   | .0001485   | .000220    |
| %RSD   | .3298184   | .6473422   | .0000000   | 1.282463 | .0435621   | .5070023   |

|    |            |            |            |          |            |            |
|----|------------|------------|------------|----------|------------|------------|
| #1 | k .6222973 | k 567.6085 | C .0000000 | 16.84568 | k .3408365 | k -.043457 |
| #2 | k .6182199 | k 561.4065 | C .0000000 | 16.41907 | k .3411317 | k -.043673 |
| #3 | k .6199718 | k 567.8799 | C .0000000 | 16.63658 | k .3409551 | k -.043232 |

|        |          |            |            |          |            |            |
|--------|----------|------------|------------|----------|------------|------------|
| Elem   | Na8183   | V_2924     | Zn2138     | K_7698   | P_1774     | B_2496     |
| Units  | ppm      | ppm        | ppm        | ppm      | ppm        | ppm        |
| Avg    | 3.318541 | k .5093862 | k 6.028292 | 9.990565 | k 2.685259 | k -.658644 |
| Stddev | .187762  | .0072746   | .061111    | .049873  | .009218    | .009486    |
| %RSD   | 5.657962 | 1.428114   | 1.013729   | .4992018 | .3432726   | 1.440232   |

|    |          |            |            |          |            |            |
|----|----------|------------|------------|----------|------------|------------|
| #1 | 3.473201 | k .5099512 | k 6.088830 | 9.959582 | k 2.675846 | k -.666740 |
| #2 | 3.372795 | k .5018455 | k 5.966624 | 10.04810 | k 2.694269 | k -.648206 |
| #3 | 3.109625 | k .5163618 | k 6.029423 | 9.96402  | k 2.685660 | k -.660986 |



Sample Name: J3153-21      Acquired: 6/4/2018 15:13:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDA TR8      Custom ID2:      Custom ID3:  
Comment:

|        |            |            |            |            |            |            |
|--------|------------|------------|------------|------------|------------|------------|
| Elem   | Mo2020     | S_1820     | Si2516     | Sn1899     | Ti3361     | Li6707     |
| Units  | ppm        | ppm        | ppm        | ppm        | ppm        | ppm        |
| Avg    | k .0224565 | k 4.773187 | k 17.28002 | k .0654130 | k 1.265628 | k .1260573 |
| Stddev | .0003447   | .024354    | .05137     | .0005294   | .001479    | .0003930   |
| %RSD   | 1.534806   | .5102340   | .2973035   | .8092742   | .1168529   | .3117718   |

|    |            |            |            |            |            |            |
|----|------------|------------|------------|------------|------------|------------|
| #1 | k .0220627 | k 4.745092 | k 17.33256 | k .0659700 | k 1.265330 | k .1264082 |
| #2 | k .0227035 | k 4.786177 | k 17.27760 | k .0653526 | k 1.264321 | k .1256326 |
| #3 | k .0226031 | k 4.788293 | k 17.22990 | k .0649164 | k 1.267233 | k .1261312 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .5553707 |
| Stddev | .0010750 |
| %RSD   | .1935739 |

|    |          |
|----|----------|
| #1 | .5562371 |
| #2 | .5557074 |
| #3 | .5541676 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 3019.012 | 3918.982 | 59534.99 | 10593.67 | 3789.639 |
| Stddev    | 7.328    | 9.010    | 399.77   | 11.68    | 4.182    |
| %RSD      | .2427305 | .2299177 | .6714908 | .1102248 | .1103463 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 3010.729 | 3928.133 | 59479.63 | 10580.62 | 3794.250 |
| #2 | 3021.657 | 3910.119 | 59959.55 | 10603.12 | 3786.094 |
| #3 | 3024.650 | 3918.692 | 59165.78 | 10597.28 | 3788.571 |

Sample Name: J3153-22      Acquired: 6/4/2018 15:17:08      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDA TR9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1187121 | -.016840 | 1.831913 | .0101165 | .0110809 | 191.1173 |
| Stddev | .0059767 | .003344  | .012478  | .0053201 | .0021434 | .4714    |
| %RSD   | 5.034646 | 19.85901 | .6811378 | 52.58837 | 19.34321 | .2466412 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1160030 | -.015322 | 1.819282 | .0067412 | .0086088 | 190.9933 |
| #2 | .1145696 | -.014525 | 1.832225 | .0073590 | .0124201 | 190.7203 |
| #3 | .1255636 | -.020675 | 1.844232 | .0162492 | .0122138 | 191.6383 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | 2.234741 | .0340278 | .0121454 | F 1307.451 | .2799175 | .1218752 |
| Stddev | .004974  | .0001977 | .0000748 | .726       | .0002446 | .0003028 |
| %RSD   | .2225541 | .5808931 | .6162416 | .0555310   | .0873945 | .2484337 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.231585 | .0342438 | .0120919 | 1307.882 | .2801954 | .1215863 |
| #2 | 2.232164 | .0338559 | .0122309 | 1306.613 | .2797346 | .1218491 |
| #3 | 2.240474 | .0339838 | .0121133 | 1307.859 | .2798226 | .1221901 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .7872758 | 247.6982 | 13.77656 | 481.3889 | .1408349 | -.001386 |
| Stddev | .0053911 | 1.0455   | .02246   | 1.8842   | .0019731 | .000369  |
| %RSD   | .6847856 | .4221061 | .1630633 | .3914098 | 1.401039 | 26.63552 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .7914783 | 247.0432 | 13.78418 | 480.7844 | .1392028 | -.001355 |
| #2 | .7811973 | 247.1473 | 13.79422 | 479.8811 | .1402741 | -.001770 |
| #3 | .7891517 | 248.9040 | 13.75128 | 483.5011 | .1430277 | -.001033 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 7.832373 | .2753146 | 2.198538 | 19.11175 | 1.556080 | .4199628 |
| Stddev | .136489  | .0023161 | .053026  | .03700   | .001232  | .0027881 |
| %RSD   | 1.742627 | .8412674 | 2.411894 | .1935810 | .0791554 | .6638885 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 7.720408 | .2779522 | 2.167057 | 19.07061 | 1.557421 | .4211803 |
| #2 | 7.984413 | .2736129 | 2.259760 | 19.12236 | 1.555821 | .4167730 |
| #3 | 7.792297 | .2743787 | 2.168798 | 19.14228 | 1.554998 | .4219350 |

Sample Name: J3153-22      Acquired: 6/4/2018 15:17:08      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDA TR9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0100737 | 23.91642 | 6.961697 | .0304965 | 3.837957 | .2506654 |
| Stddev | .0008781 | .14962   | .031951  | .0016834 | .013614  | .0021115 |
| %RSD   | 8.716459 | .6255983 | .4589572 | 5.519979 | .3547313 | .8423487 |
| #1     | .0091296 | 23.75817 | 6.995092 | .0308051 | 3.826080 | .2503606 |
| #2     | .0108659 | 23.93552 | 6.931418 | .0286801 | 3.834976 | .2487230 |
| #3     | .0102255 | 24.05558 | 6.958579 | .0320042 | 3.852815 | .2529128 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 1.441320 |
| Stddev | .000647  |
| %RSD   | .0448729 |
| #1     | 1.440574 |
| #2     | 1.441674 |
| #3     | 1.441713 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2676.995 | 3436.720 | 53603.67 | 10191.82 | 3054.692 |
| Stddev    | 17.867   | 13.547   | 94.57    | 70.99    | 13.842   |
| %RSD      | .6674355 | .3941831 | .1764219 | .6965666 | .4531271 |
| #1        | 2665.984 | 3436.465 | 53527.58 | 10112.74 | 3062.673 |
| #2        | 2667.391 | 3450.393 | 53573.88 | 10212.63 | 3062.694 |
| #3        | 2697.611 | 3423.303 | 53709.54 | 10250.08 | 3038.709 |

Sample Name: PB109829BL      Acquired: 6/4/2018 15:21:16      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      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    | -.000081 | .0002286 | -.000527 | -.003887 | -.000310 | .0109906 | -.000885 |
| Stddev | .002468  | .0041805 | .000796  | .002401  | .001235  | .0135601 | .000865  |
| %RSD   | 3045.740 | 1828.420 | 150.9197 | 61.76892 | 398.8236 | 123.3794 | 97.67839 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .002737  | .0050225 | .000391  | -.006499 | -.001715 | .0082462 | -.001065 |
| #2 | -.001128 | -.001677 | -.001004 | -.003385 | .000602  | -.000987 | -.001646 |
| #3 | -.001852 | -.002659 | -.000969 | -.001777 | .000184  | .025713  | .000055  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000010 | .0000669 | .0442258 | .0001106 | .0000359 | .0007962 | .0008579 |
| Stddev | .000063  | .0000183 | .0699559 | .0005129 | .0001285 | .0029124 | .0208668 |
| %RSD   | 624.3840 | 27.42456 | 158.1789 | 463.6450 | 358.2029 | 365.7704 | 2432.270 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .000016  | .0000483 | -.000429 | -.000260 | -.000015 | -.000453 | -.019638 |
| #2 | -.000083 | .0000674 | .008259  | -.000104 | .000182  | -.001284 | .000136  |
| #3 | .000036  | .0000849 | .124848  | .000696  | -.000060 | .004125  | .022076  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0015692 | .0097309 | .0002895 | .0002657 | .2390143 | .0050222 | .0025234 |
| Stddev | .0011328 | .0187424 | .0001798 | .0002644 | .0422370 | .0021516 | .0034485 |
| %RSD   | 72.18937 | 192.6071 | 62.10419 | 99.48248 | 17.67133 | 42.84250 | 136.6611 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0008835 | .0160728 | .0004663 | .0001991 | .2073259 | .0059743 | .0024000 |
| #2 | .0009475 | -.011360 | .0002954 | .0000411 | .2227517 | .0065335 | -.000862 |
| #3 | .0028768 | .024479  | .0001069 | .0005570 | .2869654 | .0025587 | .006032  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.083407 | -.001172 | -.002621 | .0000516 | .0079883 | -.002250 | -.001002 |
| Stddev | .111173  | .000108  | .000287  | .0000852 | .0036999 | .000929  | .000895  |
| %RSD   | 133.2894 | 9.182415 | 10.93947 | 165.0045 | 46.31613 | 41.29878 | 89.32747 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.164697 | -.001286 | -.002797 | .0000738 | .0041406 | -.003072 | -.001868 |
| #2 | -.128805 | -.001155 | -.002290 | .0001235 | .0083041 | -.002436 | -.000081 |
| #3 | .043281  | -.001073 | -.002775 | -.000042 | .0115200 | -.001242 | -.001057 |

Sample Name: PB109829BL      Acquired: 6/4/2018 15:21:16      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      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    | -.000229 | -.000308 | .0000474 |
| Stddev | .001486  | .000404  | .0000884 |
| %RSD   | 648.0166 | 131.4376 | 186.3890 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000564 | -.000396 | -.000048 |
| #2 | -.001519 | -.000660 | .000063  |
| #3 | .001396  | .000133  | .000127  |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2494.593 | 3195.692 | 48294.00 | 8374.800 | 4222.025 |
| Stddev    | 4.131    | 3.125    | 269.41   | 280.501  | 10.301   |
| %RSD      | .1656172 | .0977924 | .5578438 | 3.349341 | .2439876 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2491.927 | 3197.587 | 47991.73 | 8564.750 | 4212.911 |
| #2 | 2492.501 | 3197.403 | 48508.81 | 8507.025 | 4233.201 |
| #3 | 2499.352 | 3192.085 | 48381.47 | 8052.625 | 4219.962 |

Sample Name: PB109829BS      Acquired: 6/4/2018 15:25:27      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      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    | .0196213 | .0442300 | .0186262 | .0675238 | .1140016 | .4017192 |
| Stddev | .0037066 | .0019344 | .0007721 | .0008847 | .0011306 | .0094845 |
| %RSD   | 18.89087 | 4.373399 | 4.145436 | 1.310265 | .9917089 | 2.360970 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0219974 | .0421102 | .0187726 | .0665121 | .1152948 | .4125760 |
| #2 | .0215161 | .0446803 | .0177913 | .0679066 | .1135099 | .3950449 |
| #3 | .0153502 | .0458995 | .0193146 | .0681527 | .1132002 | .3975366 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3698328 | .0101742 | .0099442 | 10.14323 | .0203548 | .0962619 |
| Stddev | .0014321 | .0000500 | .0001104 | .04464   | .0006674 | .0004438 |
| %RSD   | .3872393 | .4915797 | 1.109665 | .4400850 | 3.278796 | .4610751 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3703227 | .0102202 | .0099807 | 10.18169 | .0209777 | .0957707 |
| #2 | .3709556 | .0101210 | .0100317 | 10.09428 | .0196504 | .0966341 |
| #3 | .3682200 | .0101813 | .0098202 | 10.15372 | .0204364 | .0963809 |

|        |          |            |          |          |          |          |
|--------|----------|------------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598     | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm        | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0490001 | F .2653791 | .0315648 | 9.848637 | .0805347 | .0181647 |
| Stddev | .0028164 | .0100919   | .0006241 | .092732  | .0001532 | .0003654 |
| %RSD   | 5.747684 | 3.802808   | 1.977282 | .9415763 | .1902038 | 2.011633 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0467555 | .2537956 | .0309161 | 9.865714 | .0803750 | .0177590 |
| #2 | .0521604 | .2722723 | .0321610 | 9.931644 | .0805487 | .0184679 |
| #3 | .0480845 | .2700694 | .0316172 | 9.748553 | .0806804 | .0182673 |

|        |          |          |          |          |            |            |
|--------|----------|----------|----------|----------|------------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm        |
| Avg    | 9.804146 | .1000852 | .1213532 | 8.244230 | F .0088756 | F .0169353 |
| Stddev | .214455  | .0005270 | .0066240 | .052403  | .0001784   | .0007686   |
| %RSD   | 2.187391 | .5265854 | 5.458420 | .6356316 | 2.009733   | 4.538554   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.836132 | .1001939 | .1230821 | 8.297645 | .0089975 | .0170344 |
| #2 | 10.00081 | .1005494 | .1269412 | 8.192902 | .0086709 | .0161219 |
| #3 | 9.57549  | .0995123 | .1140362 | 8.242142 | .0089585 | .0176495 |

Sample Name: PB109829BS      Acquired: 6/4/2018 15:25:27      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      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    | .0206060 | .1729564 | .1874947 | F .0135675 | .1992352 | .0898824 |
| Stddev | .0002349 | .0018882 | .0008699 | .0015659   | .0006449 | .0004417 |
| %RSD   | 1.140007 | 1.091720 | .4639761 | 11.54148   | .3236817 | .4914055 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0205731 | .1747374 | .1884806 | .0153524 | .1988025 | .0893771 |
| #2 | .0203892 | .1709767 | .1871682 | .0129252 | .1989268 | .0900749 |
| #3 | .0208556 | .1731552 | .1868352 | .0124249 | .1999764 | .0901952 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .2003950 |
| Stddev | .0005066 |
| %RSD   | .2528057 |

|    |          |
|----|----------|
| #1 | .2008485 |
| #2 | .1998483 |
| #3 | .2004882 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2514.300 | 3247.022 | 49137.13 | 8612.077 | 4241.182 |
| Stddev    | 12.341   | 4.065    | 83.41    | 60.263   | 4.500    |
| %RSD      | .4908504 | .1252011 | .1697475 | .6997545 | .1061084 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2527.869 | 3242.726 | 49203.84 | 8563.073 | 4245.907 |
| #2 | 2511.287 | 3247.529 | 49163.94 | 8679.365 | 4236.947 |
| #3 | 2503.745 | 3250.809 | 49043.61 | 8593.794 | 4240.691 |

Sample Name: J3213-01      Acquired: 6/4/2018 15:29:35      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAWF9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .9445557 | -.004744 | .4856221 | .0191220 | .1352782 | 89.98154 |
| Stddev | .0040200 | .005758  | .0034266 | .0023333 | .0011952 | .20971   |
| %RSD   | .4256013 | 121.3707 | .7056145 | 12.20209 | .8834772 | .2330606 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .9401413 | -.011005 | .4872022 | .0172665 | .1342385 | 90.09097 |
| #2 | .9480061 | .000324  | .4816905 | .0183580 | .1350120 | 90.11391 |
| #3 | .9455197 | -.003551 | .4879735 | .0217415 | .1365840 | 89.73975 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.895773 | .0381424 | .0189977 | 178.4491 | -.017369 | .8216256 |
| Stddev | .003874  | .0003654 | .0002473 | .5338    | .000482  | .0032777 |
| %RSD   | .1337894 | .9580722 | 1.301641 | .2991111 | 2.775690 | .3989269 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.900240 | .0384187 | .0191386 | 179.0614 | -.017873 | .8213865 |
| #2 | 2.893343 | .0377280 | .0187122 | 178.0821 | -.017322 | .8184740 |
| #3 | 2.893735 | .0382804 | .0191424 | 178.2037 | -.016912 | .8250163 |

|        |            |          |          |          |          |          |
|--------|------------|----------|----------|----------|----------|----------|
| Elem   | Cu3247     | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm        | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | F 38.60375 | 507.8193 | 28.20682 | 111.8325 | 1.290368 | .0063621 |
| Stddev | .04945     | 1.9925   | .00947   | .8698    | .003387  | .0003518 |
| %RSD   | .1280934   | .3923685 | .0335892 | .7777749 | .2624627 | 5.529624 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 38.54731 | 508.2080 | 28.21461 | 111.9973 | 1.290608 | .0063762 |
| #2 | 38.63944 | 509.5889 | 28.19627 | 112.6082 | 1.286867 | .0067067 |
| #3 | 38.62452 | 505.6611 | 28.20958 | 110.8921 | 1.293628 | .0060035 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.237156 | .0721568 | .4494682 | 12.53215 | 1.940790 | .6872039 |
| Stddev | .030179  | .0023093 | .0132072 | .07358   | .007259  | .0088498 |
| %RSD   | .9322696 | 3.200315 | 2.938412 | .5871076 | .3740203 | 1.287792 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.263370 | .0727754 | .4343619 | 12.58733 | 1.933687 | .6861192 |
| #2 | 3.204165 | .0740938 | .4552105 | 12.56051 | 1.940488 | .6965461 |
| #3 | 3.243934 | .0696013 | .4588323 | 12.44862 | 1.948195 | .6789466 |



Sample Name: J3213-01      Acquired: 6/4/2018 15:29:35      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAWF9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0346594 | 20.00467 | 10.20853 | .0025127 | .1639580 | .0829358 |
| Stddev | .0002988 | .09411   | .10642   | .0014354 | .0011592 | .0003040 |
| %RSD   | .8620987 | .4704608 | 1.042415 | 57.12713 | .7070150 | .3665761 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0343468 | 19.94370 | 10.32603 | .0035114 | .1648365 | .0826281 |
| #2 | .0349422 | 19.95725 | 10.11864 | .0008677 | .1643935 | .0829433 |
| #3 | .0346891 | 20.11306 | 10.18093 | .0031590 | .1626442 | .0832360 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .5083262 |
| Stddev | .0001313 |
| %RSD   | .0258358 |

|    |          |
|----|----------|
| #1 | .5082327 |
| #2 | .5082694 |
| #3 | .5084763 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 3347.305 | 4315.121 | 66906.70 | 12061.25 | 3625.313 |
| Stddev    | 5.358    | 2.825    | 102.79   | 73.40    | 12.309   |
| %RSD      | .1600614 | .0654770 | .1536311 | .6085265 | .3395380 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 3341.154 | 4313.677 | 67004.67 | 11978.24 | 3622.846 |
| #2 | 3350.955 | 4318.376 | 66915.73 | 12117.54 | 3638.669 |
| #3 | 3349.805 | 4313.309 | 66799.68 | 12087.98 | 3614.424 |

Sample Name: J3213-02      Acquired: 6/4/2018 15:33:30      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATZ5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1376781 | -.008879 | .4721553 | .0126040 | .0203523 | 102.1639 |
| Stddev | .0033959 | .002922  | .0024158 | .0023475 | .0018178 | .5987    |
| %RSD   | 2.466547 | 32.91443 | .5116557 | 18.62528 | 8.931490 | .5860452 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1398643 | -.007960 | .4716891 | .0147117 | .0201244 | 102.8185 |
| #2 | .1337659 | -.006526 | .4700066 | .0100740 | .0186593 | 101.6439 |
| #3 | .1394042 | -.012150 | .4747703 | .0130263 | .0222733 | 102.0292 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.541360 | .0258750 | .0120670 | 710.9044 | .3169565 | .2745845 |
| Stddev | .011735  | .0002275 | .0001524 | 2.2767   | .0005019 | .0007848 |
| %RSD   | .3313758 | .8791488 | 1.262989 | .3202534 | .1583609 | .2858255 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.541724 | .0259506 | .0119187 | 709.1773 | .3165273 | .2746713 |
| #2 | 3.529446 | .0256194 | .0120592 | 710.0515 | .3175084 | .2737599 |
| #3 | 3.552908 | .0260551 | .0122232 | 713.4844 | .3168338 | .2753223 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .0768221 | 717.3828 | F 51.43957 | 412.6041 | .1427259 | -.004785 |
| Stddev | .0015712 | 8.8879   | .50014     | 4.8326   | .0001034 | .000762  |
| %RSD   | 2.045184 | 1.238930 | .9722943   | 1.171251 | .0724645 | 15.93302 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0753831 | 727.6389 | 50.86843 | 418.1834 | .1428411 | -.003906 |
| #2 | .0765848 | 712.5768 | 51.65101 | 409.9029 | .1426411 | -.005268 |
| #3 | .0784984 | 711.9327 | 51.79926 | 409.7260 | .1426955 | -.005182 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.655996 | .9490254 | .6149216 | -.512264 | .3237722 | .8934419 |
| Stddev | .156673  | .0100360 | .0042045 | .050092  | .0021262 | .0210787 |
| %RSD   | 4.285379 | 1.057508 | .6837447 | 9.778564 | .6567009 | 2.359270 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.663501 | .9575032 | .6186763 | -.519900 | .3226731 | .9170977 |
| #2 | 3.495705 | .9379442 | .6157096 | -.558100 | .3224205 | .8865749 |
| #3 | 3.808782 | .9516287 | .6103789 | -.458793 | .3262230 | .8766529 |

Sample Name: J3213-02      Acquired: 6/4/2018 15:33:30      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATZ5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0044107 | 2.178769 | 3.157939 | .0018598 | .4989134 | .0594577 |
| Stddev | .0002552 | .010262  | .011793  | .0015374 | .0028422 | .0011530 |
| %RSD   | 5.785878 | .4709928 | .3734511 | 82.66246 | .5696799 | 1.939153 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0046609 | 2.181043 | 3.161865 | .0017842 | .4980495 | .0588141 |
| #2 | .0044204 | 2.167561 | 3.144684 | .0003617 | .4966034 | .0587702 |
| #3 | .0041508 | 2.187704 | 3.167269 | .0034336 | .5020873 | .0607888 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .2620303 |
| Stddev | .0009702 |
| %RSD   | .3702484 |

|    |          |
|----|----------|
| #1 | .2612115 |
| #2 | .2617775 |
| #3 | .2631018 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2429.011 | 3171.430 | 49045.35 | 9054.752 | 3320.960 |
| Stddev    | 6.702    | 6.503    | 77.58    | 40.943   | 5.529    |
| %RSD      | .2759238 | .2050603 | .1581868 | .4521691 | .1664980 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2431.060 | 3177.678 | 48963.42 | 9028.934 | 3326.066 |
| #2 | 2434.449 | 3164.698 | 49117.70 | 9101.959 | 3321.728 |
| #3 | 2421.523 | 3171.914 | 49054.94 | 9033.362 | 3315.088 |

Sample Name: J3213-03      Acquired: 6/4/2018 15:37:29      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATZ6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2036078 | -.004985 | 2.573853 | .0132927 | .0175946 | 76.65329 | 2.013896 |
| Stddev | .0052596 | .004366  | .013745  | .0024417 | .0005940 | .46225   | .010020  |
| %RSD   | 2.583185 | 87.59629 | .5340083 | 18.36893 | 3.376205 | .6030415 | .4975551 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2093026 | -.009522 | 2.566842 | .0150605 | .0176188 | 76.98080 | 2.014757 |
| #2 | .1989329 | -.004619 | 2.565028 | .0105067 | .0169889 | 76.85453 | 2.023458 |
| #3 | .2025879 | -.000813 | 2.589690 | .0143110 | .0181762 | 76.12453 | 2.003473 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0135525 | .0261189 | 310.0851 | .2762640 | .1185706 | .9194509 | 298.8417 |
| Stddev | .0001697 | .0000162 | 1.6044   | .0007033 | .0003164 | .0091290 | 2.3303   |
| %RSD   | 1.252244 | .0620467 | .5174037 | .2545653 | .2668759 | .9928708 | .7797757 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0136779 | .0261374 | 310.5530 | .2755042 | .1182165 | .9236372 | 300.9927 |
| #2 | .0136202 | .0261071 | 311.4035 | .2763956 | .1186697 | .9257360 | 299.1663 |
| #3 | .0133594 | .0261123 | 308.2987 | .2768921 | .1188256 | .9089796 | 296.3661 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 12.85039 | 152.7731 | .2968803 | .0017391 | 2.702572 | .2552943 | 5.673403 |
| Stddev | .04288   | .8592    | .0021678 | .0004477 | .154583  | .0127522 | .061399  |
| %RSD   | .3337011 | .5623976 | .7301819 | 25.74500 | 5.719860 | 4.995106 | 1.082217 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 12.85610 | 153.3619 | .2961572 | .0020483 | 2.860129 | .2670017 | 5.722006 |
| #2 | 12.89013 | 153.1701 | .2951665 | .0019432 | 2.551145 | .2417062 | 5.604401 |
| #3 | 12.80494 | 151.7872 | .2993172 | .0012257 | 2.696442 | .2571751 | 5.693801 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.818021 | .9791001 | .4402722 | .0164266 | 8.574030 | 5.556108 | .0883209 |
| Stddev | .057618  | .0025910 | .0037869 | .0004018 | .005820  | .049410  | .0022124 |
| %RSD   | .8450844 | .2646353 | .8601232 | 2.446190 | .0678821 | .8892892 | 2.504969 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.815294 | .9820461 | .4445086 | .0162058 | 8.574312 | 5.554854 | .0863021 |
| #2 | 6.876954 | .9780788 | .4372160 | .0168904 | 8.568074 | 5.606132 | .0879746 |
| #3 | 6.761815 | .9771752 | .4390919 | .0161835 | 8.579704 | 5.507336 | .0906861 |

Sample Name: J3213-03      Acquired: 6/4/2018 15:37:29      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATZ6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .7178457 | .0944958 | .4306004 |
| Stddev | .0058295 | .0005181 | .0019636 |
| %RSD   | .8120812 | .5482321 | .4560168 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .7206063 | .0946350 | .4312926 |
| #2 | .7217821 | .0949300 | .4321242 |
| #3 | .7111487 | .0939224 | .4283845 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2534.036 | 3290.077 | 50519.80 | 9180.642 | 3667.792 |
| Stddev    | 7.742    | 2.084    | 181.56   | 69.322   | 9.294    |
| %RSD      | .3055121 | .0633546 | .3593761 | .7550881 | .2533842 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2525.548 | 3292.347 | 50625.87 | 9138.670 | 3674.069 |
| #2 | 2540.710 | 3289.633 | 50310.17 | 9142.600 | 3672.190 |
| #3 | 2535.850 | 3288.250 | 50623.38 | 9260.656 | 3657.115 |

Sample Name: J3213-04      Acquired: 6/4/2018 15:41:25      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATZ7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0931330 | -.005846 | 2.748645 | .0215715 | .0202836 | 78.38901 | 2.640875 |
| Stddev | .0028963 | .002835  | .061806  | .0025144 | .0008339 | .17581   | .004816  |
| %RSD   | 3.109892 | 48.48678 | 2.248614 | 11.65615 | 4.111227 | .2242763 | .1823658 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0914746 | -.006734 | 2.707154 | .0218502 | .0194048 | 78.34546 | 2.641820 |
| #2 | .0914471 | -.002674 | 2.719102 | .0189294 | .0210639 | 78.23907 | 2.635657 |
| #3 | .0964774 | -.008131 | 2.819679 | .0239350 | .0203820 | 78.58250 | 2.645149 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0123090 | .0195905 | 238.8439 | .3224163 | .0943925 | .5678027 | 499.1457 |
| Stddev | .0000611 | .0009099 | .5569    | .0010630 | .0025389 | .0058088 | .6024    |
| %RSD   | .4966983 | 4.644801 | .2331519 | .3296937 | 2.689684 | 1.023024 | .1206886 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0123367 | .0189146 | 238.7376 | .3216677 | .0930885 | .5627050 | 499.7590 |
| #2 | .0122389 | .0192318 | 238.3479 | .3236330 | .0927706 | .5665764 | 498.5548 |
| #3 | .0123513 | .0206251 | 239.4463 | .3219482 | .0973183 | .5741267 | 499.1231 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 12.55263 | 44.22544 | .3711969 | .0015421 | 3.039346 | .2454374 | 3.815440 |
| Stddev | .06515   | .04450   | .0094382 | .0003502 | .095123  | .0071249 | .047831  |
| %RSD   | .5189995 | .1006179 | 2.542645 | 22.71118 | 3.129717 | 2.902920 | 1.253618 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 12.54916 | 44.18453 | .3662160 | .0017683 | 3.025370 | .2407125 | 3.839387 |
| #2 | 12.61944 | 44.21897 | .3652925 | .0017195 | 2.951984 | .2536325 | 3.846568 |
| #3 | 12.48928 | 44.27282 | .3820821 | .0011387 | 3.140684 | .2419671 | 3.760366 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 27.93258 | .8252098 | .7132099 | .0600035 | 4.375941 | 4.579072 | .1057588 |
| Stddev | .09391   | .0182047 | .0062625 | .0013114 | .088978  | .010942  | .0003052 |
| %RSD   | .3361981 | 2.206070 | .8780725 | 2.185470 | 2.033335 | .2389517 | .2885351 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 27.87218 | .8146241 | .7198158 | .0595591 | 4.329272 | 4.582776 | .1054142 |
| #2 | 27.88479 | .8147747 | .7073593 | .0589721 | 4.320007 | 4.566759 | .1058674 |
| #3 | 28.04077 | .8462306 | .7124545 | .0614794 | 4.478544 | 4.587682 | .1059948 |

Sample Name: J3213-04      Acquired: 6/4/2018 15:41:25      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATZ7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .9864242 | .0699825 | 1.275699 |
| Stddev | .0032508 | .0001360 | .000677  |
| %RSD   | .3295531 | .1943260 | .0530507 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .9840501 | .0701159 | 1.274998 |
| #2 | .9850932 | .0699876 | 1.275751 |
| #3 | .9901293 | .0698441 | 1.276349 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2490.755 | 3222.691 | 49641.98 | 8946.533 | 3749.460 |
| Stddev    | 10.776   | 56.497   | 81.92    | 66.811   | 72.613   |
| %RSD      | .4326460 | 1.753107 | .1650235 | .7467778 | 1.936615 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2494.859 | 3259.964 | 49706.80 | 8950.294 | 3792.384 |
| #2 | 2498.875 | 3250.423 | 49669.23 | 9011.384 | 3790.374 |
| #3 | 2478.529 | 3157.687 | 49549.90 | 8877.922 | 3665.622 |

Sample Name: J3213-05      Acquired: 6/4/2018 15:45:24      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAZ8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2596708 | -.007104 | 4.317937 | .0219540 | .0229546 | 71.83506 | 1.772033 |
| Stddev | .0049925 | .003452  | .039737  | .0029679 | .0023453 | .38856   | .002441  |
| %RSD   | 1.922616 | 48.59234 | .9202763 | 13.51868 | 10.21725 | .5409086 | .1377666 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2583294 | -.004027 | 4.323831 | .0189748 | .0256364 | 71.40364 | 1.773680 |
| #2 | .2554861 | -.006447 | 4.275582 | .0249105 | .0219397 | 71.94404 | 1.773190 |
| #3 | .2651970 | -.010837 | 4.354397 | .0219767 | .0212876 | 72.15750 | 1.769228 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0141885 | .0311724 | 191.2301 | .4582468 | .0865368 | .7460246 | 400.3283 |
| Stddev | .0000806 | .0005300 | .4861    | .0008520 | .0008674 | .0046741 | 4.6723   |
| %RSD   | .5683168 | 1.700284 | .2541911 | .1859238 | 1.002341 | .6265327 | 1.167106 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0142407 | .0309977 | 191.7151 | .4587456 | .0858629 | .7406866 | 395.2766 |
| #2 | .0142291 | .0307518 | 191.2321 | .4587317 | .0862320 | .7493840 | 401.2140 |
| #3 | .0140956 | .0317677 | 190.7430 | .4572630 | .0875154 | .7480030 | 404.4943 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 9.692055 | 76.66279 | .5756691 | .0043483 | 3.040087 | .2194190 | 6.361748 |
| Stddev | .035859  | .66600   | .0052597 | .0006836 | .253436  | .0021487 | .054656  |
| %RSD   | .3699833 | .8687455 | .9136622 | 15.72177 | 8.336457 | .9792517 | .8591287 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 9.671469 | 75.99499 | .5746048 | .0035610 | 3.065275 | .2200345 | 6.335561 |
| #2 | 9.733461 | 76.66639 | .5710230 | .0047921 | 3.279988 | .2211928 | 6.424570 |
| #3 | 9.671235 | 77.32698 | .5813796 | .0046917 | 2.774998 | .2170298 | 6.325114 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 7.508537 | .6462116 | .5686122 | .0774915 | 10.52442 | 4.981086 | .1609738 |
| Stddev | .028223  | .0050910 | .0106178 | .0007425 | .08329   | .004641  | .0032873 |
| %RSD   | .3758733 | .7878233 | 1.867318 | .9581596 | .7913741 | .0931649 | 2.042159 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 7.517446 | .6429210 | .5580259 | .0777194 | 10.47259 | 4.978592 | .1622409 |
| #2 | 7.531230 | .6436383 | .5685495 | .0766618 | 10.48018 | 4.978225 | .1572414 |
| #3 | 7.476935 | .6520756 | .5792612 | .0780933 | 10.62049 | 4.986440 | .1634390 |



Sample Name: J3213-05      Acquired: 6/4/2018 15:45:24      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MDATZ8      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .8104682 | .0844129 | .5635688 |
| Stddev | .0019360 | .0015321 | .0005815 |
| %RSD   | .2388742 | 1.815036 | .1031804 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .8082430 | .0830830 | .5629869 |
| #2 | .8117669 | .0860883 | .5635695 |
| #3 | .8113945 | .0840675 | .5641499 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2576.041 | 3283.487 | 50928.31 | 9124.387 | 3760.772 |
| Stddev    | 5.335    | 30.523   | 139.31   | 46.979   | 26.769   |
| %RSD      | .2071137 | .9295965 | .2735450 | .5148710 | .7118068 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2581.304 | 3287.187 | 50845.96 | 9177.165 | 3764.846 |
| #2 | 2570.636 | 3311.991 | 51089.15 | 9108.854 | 3785.271 |
| #3 | 2576.185 | 3251.282 | 50849.80 | 9087.141 | 3732.199 |

Sample Name: J3213-06      Acquired: 6/4/2018 15:49:21      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATZ8D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2654000 | -.000781 | 4.341946 | .0247973 | .0218231 | 72.65958 | 1.767127 |
| Stddev | .0076286 | .005467  | .015996  | .0035739 | .0008932 | .14710   | .002787  |
| %RSD   | 2.874364 | 700.3192 | .3683976 | 14.41265 | 4.093057 | .2024476 | .1577375 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2668782 | .003103  | 4.325449 | .0288314 | .0214679 | 72.49555 | 1.769688 |
| #2 | .2571405 | .001587  | 4.343001 | .0235335 | .0228392 | 72.77979 | 1.767535 |
| #3 | .2721812 | -.007032 | 4.357388 | .0220269 | .0211621 | 72.70340 | 1.764158 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0140579 | .0304871 | 196.8101 | .4515743 | .0867352 | .7468402 | 404.1142 |
| Stddev | .0002070 | .0002102 | .3423    | .0010124 | .0008086 | .0034849 | 2.9829   |
| %RSD   | 1.472372 | .6895809 | .1739211 | .2242002 | .9322700 | .4666164 | .7381297 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0140244 | .0304750 | 197.0005 | .4504415 | .0858366 | .7452123 | 400.9378 |
| #2 | .0138696 | .0302831 | 197.0149 | .4523909 | .0869649 | .7508412 | 404.5490 |
| #3 | .0142795 | .0307031 | 196.4150 | .4518906 | .0874041 | .7444673 | 406.8559 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 9.704883 | 81.64462 | .5624979 | .0041865 | 2.989657 | .2237812 | 6.514682 |
| Stddev | .013932  | .50589   | .0019591 | .0001361 | .022760  | .0027476 | .058722  |
| %RSD   | .1435531 | .6196221 | .3482901 | 3.250888 | .7612909 | 1.227796 | .9013761 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 9.700509 | 81.11612 | .5615662 | .0041319 | 2.970496 | .2267338 | 6.449046 |
| #2 | 9.720477 | 81.69338 | .5611785 | .0040862 | 3.014815 | .2212996 | 6.562239 |
| #3 | 9.693664 | 82.12436 | .5647490 | .0043414 | 2.983660 | .2233101 | 6.532761 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 7.517250 | .6450648 | .5808363 | .0760624 | 10.41988 | 4.952369 | .1591690 |
| Stddev | .059045  | .0042863 | .0093563 | .0002664 | .05677   | .021146  | .0014082 |
| %RSD   | .7854577 | .6644749 | 1.610834 | .3502580 | .5447927 | .4269884 | .8847054 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 7.453063 | .6447827 | .5700407 | .0762526 | 10.40254 | 4.930999 | .1599112 |
| #2 | 7.529433 | .6409265 | .5865969 | .0757579 | 10.37380 | 4.952823 | .1575450 |
| #3 | 7.569253 | .6494851 | .5858714 | .0761768 | 10.48329 | 4.973283 | .1600507 |

Sample Name: J3213-06      Acquired: 6/4/2018 15:49:21      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATZ8D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .8149529 | .0846581 | .5638747 |
| Stddev | .0018522 | .0014104 | .0007788 |
| %RSD   | .2272765 | 1.666012 | .1381165 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .8128148 | .0831730 | .5634820 |
| #2 | .8159774 | .0859795 | .5647717 |
| #3 | .8160666 | .0848219 | .5633706 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2581.644 | 3341.338 | 51167.30 | 9201.393 | 3812.378 |
| Stddev    | 4.633    | 7.211    | 106.74   | 22.755   | 7.154    |
| %RSD      | .1794602 | .2158109 | .2086060 | .2472973 | .1876484 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2586.894 | 3338.419 | 51044.73 | 9227.667 | 3814.031 |
| #2 | 2578.128 | 3336.043 | 51217.40 | 9188.400 | 3818.560 |
| #3 | 2579.909 | 3349.550 | 51239.79 | 9188.111 | 3804.542 |

Sample Name: J3213-07      Acquired: 6/4/2018 15:53:19      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATZ8S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2795719 | .0647669 | 5.544481 | .0396830 | .0941554 | 110.7033 | 6.983148 |
| Stddev | .0079447 | .0030809 | .017857  | .0029607 | .0012890 | .2294    | .014374  |
| %RSD   | 2.841730 | 4.756940 | .3220746 | 7.460969 | 1.368998 | .2072167 | .2058395 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2884570 | .0677635 | 5.541921 | .0371037 | .0954953 | 110.4660 | 6.987938 |
| #2 | .2731521 | .0616080 | 5.528043 | .0390293 | .0940466 | 110.9239 | 6.994515 |
| #3 | .2771067 | .0649290 | 5.563481 | .0429159 | .0929242 | 110.7199 | 6.966990 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1092592 | .1875152 | 222.3646 | .9268949 | 1.136564 | 1.451269 | 550.9293 |
| Stddev | .0006759 | .0005271 | .5831    | .0031341 | .001530  | .007564  | 2.3368   |
| %RSD   | .6186544 | .2810889 | .2622363 | .3381287 | .1345982 | .5212292 | .4241559 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1089322 | .1869187 | 222.0648 | .9233368 | 1.134999 | 1.442780 | 548.2353 |
| #2 | .1100365 | .1877090 | 223.0366 | .9281017 | 1.136638 | 1.457294 | 552.4085 |
| #3 | .1088090 | .1879180 | 221.9923 | .9292462 | 1.138056 | 1.453734 | 552.1441 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 21.43049 | 65.02435 | 1.666638 | .0886115 | 4.544206 | 1.245693 | 10.43441 |
| Stddev | .04880   | .38064   | .004511  | .0002439 | .085106  | .011292  | .02726   |
| %RSD   | .2277194 | .5853767 | .2706852 | .2752229 | 1.872839 | .9064651 | .2612199 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 21.37473 | 64.60177 | 1.663556 | .0883564 | 4.557171 | 1.234836 | 10.42847 |
| #2 | 21.46544 | 65.34030 | 1.664541 | .0888424 | 4.622085 | 1.244867 | 10.41062 |
| #3 | 21.45129 | 65.13097 | 1.671816 | .0886355 | 4.453361 | 1.257374 | 10.46415 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 8.557929 | 2.234377 | .8167998 | .1004008 | 8.572706 | 19.11476 | .2221642 |
| Stddev | .019010  | .009737  | .0058213 | .0005951 | .038897  | .14318   | .0024898 |
| %RSD   | .2221297 | .4357789 | .7126919 | .5927401 | .4537277 | .7490611 | 1.120683 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 8.549838 | 2.233298 | .8183778 | .0997339 | 8.557391 | 19.04744 | .2213945 |
| #2 | 8.579645 | 2.244609 | .8103522 | .1005907 | 8.616930 | 19.27919 | .2201502 |
| #3 | 8.544303 | 2.225224 | .8216693 | .1008778 | 8.543799 | 19.01764 | .2249479 |

Sample Name: J3213-07      Acquired: 6/4/2018 15:53:19      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATZ8S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.392799 | .0982502 | .7250620 |
| Stddev | .003677  | .0006097 | .0010303 |
| %RSD   | .2640263 | .6205248 | .1420975 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.388984 | .0978449 | .7239280 |
| #2 | 1.396321 | .0989513 | .7259406 |
| #3 | 1.393091 | .0979543 | .7253173 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2536.411 | 3344.820 | 51004.54 | 9180.930 | 3735.594 |
| Stddev    | 10.241   | 5.854    | 170.80   | 35.353   | 6.332    |
| %RSD      | .4037419 | .1750125 | .3348784 | .3850727 | .1694928 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2527.443 | 3350.099 | 51150.73 | 9210.247 | 3740.542 |
| #2 | 2547.569 | 3345.838 | 51046.12 | 9141.670 | 3737.782 |
| #3 | 2534.220 | 3338.524 | 50816.80 | 9190.875 | 3728.459 |

Sample Name: J3213-05LX5      Acquired: 6/4/2018 15:57:12      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATZ8L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0567346 | .0018696 | .8896264 | .0020749 | .0035903 | 15.38454 | .3762037 |
| Stddev | .0016782 | .0004339 | .0046296 | .0048848 | .0013052 | .02948   | .0011049 |
| %RSD   | 2.957884 | 23.20731 | .5203968 | 235.4253 | 36.35322 | .1916301 | .2936907 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0566544 | .0017991 | .8938495 | .0075134 | .0030828 | 15.35856 | .3749861 |
| #2 | .0550981 | .0014754 | .8846763 | .0006515 | .0050730 | 15.37849 | .3764824 |
| #3 | .0584515 | .0023345 | .8903532 | -.001940 | .0026151 | 15.41658 | .3771425 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0031869 | .0059867 | 44.29619 | .0976243 | .0167449 | .1635300 | 87.82923 |
| Stddev | .0000470 | .0001432 | .14130   | .0006475 | .0001518 | .0033559 | .43125   |
| %RSD   | 1.476300 | 2.392564 | .3189800 | .6632536 | .9067142 | 2.052167 | .4910115 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0031925 | .0059134 | 44.14337 | .0975961 | .0166817 | .1647374 | 87.33179 |
| #2 | .0032309 | .0058949 | 44.42210 | .0982855 | .0169181 | .1597374 | 88.05824 |
| #3 | .0031373 | .0061517 | 44.32309 | .0969914 | .0166349 | .1661151 | 88.09767 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.092956 | 18.44540 | .1128113 | .0006639 | .9497948 | .0488137 | 1.372211 |
| Stddev | .010560  | .05717   | .0004195 | .0002181 | .0419181 | .0032567 | .022327  |
| %RSD   | .5045504 | .3099196 | .3718563 | 32.84938 | 4.413384 | 6.671670 | 1.627115 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 2.091692 | 18.38786 | .1132382 | .0004538 | .9343755 | .0504732 | 1.346958 |
| #2 | 2.104091 | 18.44615 | .1123996 | .0006486 | .9972387 | .0450615 | 1.389334 |
| #3 | 2.083085 | 18.50218 | .1127962 | .0008892 | .9177702 | .0509064 | 1.380340 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.395684 | .1271001 | .1249822 | .0163384 | 2.043138 | 1.090361 | .0309056 |
| Stddev | .020175  | .0009321 | .0029156 | .0003743 | .011749  | .005896  | .0017001 |
| %RSD   | 1.445509 | .7333808 | 2.332835 | 2.290664 | .5750339 | .5407745 | 5.500866 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.416929 | .1266402 | .1222485 | .0160811 | 2.031350 | 1.089123 | .0310581 |
| #2 | 1.393337 | .1264874 | .1246473 | .0167678 | 2.043216 | 1.096778 | .0325243 |
| #3 | 1.376785 | .1281728 | .1280509 | .0161664 | 2.054847 | 1.085182 | .0291344 |

Sample Name: J3213-05LX5      Acquired: 6/4/2018 15:57:12      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATZ8L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1777384 | .0170532 | .1220009 |
| Stddev | .0010063 | .0009666 | .0004252 |
| %RSD   | .5661671 | 5.668270 | .3485442 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1780351 | .0175934 | .1215917 |
| #2 | .1766171 | .0176291 | .1224405 |
| #3 | .1785630 | .0159373 | .1219705 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2514.112 | 3270.668 | 49404.37 | 8608.477 | 4115.049 |
| Stddev    | 6.206    | 8.547    | 156.05   | 21.816   | 4.912    |
| %RSD      | .2468485 | .2613171 | .3158725 | .2534200 | .1193655 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2509.112 | 3277.466 | 49315.31 | 8586.813 | 4114.016 |
| #2 | 2521.058 | 3273.465 | 49313.23 | 8608.177 | 4120.395 |
| #3 | 2512.166 | 3261.073 | 49584.56 | 8630.441 | 4110.736 |

Sample Name: J3213-08      Acquired: 6/4/2018 16:01:16      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATZ9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1491074 | .0001994 | 7.227722 | .0186433 | .0379943 | 69.11929 | 2.853852 |
| Stddev | .0035865 | .0015006 | .012980  | .0043799 | .0005901 | 2.41034  | .098644  |
| %RSD   | 2.405288 | 752.6507 | .1795817 | 23.49294 | 1.553192 | 3.487213 | 3.456506 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1454057 | .0018596 | 7.235416 | .0166851 | .0385461 | 67.48843 | 2.790205 |
| #2 | .1493502 | -.000201 | 7.212736 | .0236607 | .0373721 | 71.88791 | 2.967482 |
| #3 | .1525662 | -.001060 | 7.235014 | .0155842 | .0380647 | 67.98152 | 2.803868 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0109857 | .0335860 | 153.3041 | .3859288 | .0729587 | 5.364940 | 282.5037 |
| Stddev | .0002732 | .0001980 | 4.7902   | .0015062 | .0004777 | .170526  | 9.9800   |
| %RSD   | 2.486912 | .5894782 | 3.124607 | .3902774 | .6547250 | 3.178525 | 3.532687 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0109573 | .0337374 | 150.2782 | .3851189 | .0730574 | 5.259824 | 275.3364 |
| #2 | .0112720 | .0333619 | 158.8269 | .3850008 | .0724393 | 5.561692 | 293.9022 |
| #3 | .0107278 | .0336587 | 150.8073 | .3876667 | .0733792 | 5.273302 | 278.2725 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 8.502294 | 42.36149 | .2753404 | .0052024 | 2.343652 | .2131814 | 10.24302 |
| Stddev | .261564  | 1.47332  | .0017789 | .0005285 | .145927  | .0062206 | .08617   |
| %RSD   | 3.076397 | 3.477972 | .6460854 | 10.15875 | 6.226482 | 2.918003 | .8413006 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 8.348912 | 41.35404 | .2753812 | .0047571 | 2.293306 | .2151193 | 10.15118 |
| #2 | 8.804310 | 44.05242 | .2735414 | .0057864 | 2.229563 | .2182023 | 10.32211 |
| #3 | 8.353660 | 41.67802 | .2770985 | .0050637 | 2.508086 | .2062224 | 10.25578 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.719798 | 1.794587 | .4528127 | .0299073 | 7.760898 | 4.579943 | .1748782 |
| Stddev | .288396  | .005284  | .0215120 | .0002149 | .003508  | .128950  | .0018041 |
| %RSD   | 5.042068 | .2944593 | 4.750751 | .7184816 | .0451990 | 2.815530 | 1.031644 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.567338 | 1.789987 | .4374782 | .0299799 | 7.764457 | 4.511133 | .1738633 |
| #2 | 6.052424 | 1.800359 | .4774035 | .0300764 | 7.760794 | 4.728702 | .1738101 |
| #3 | 5.539631 | 1.793415 | .4435564 | .0296655 | 7.757443 | 4.499993 | .1769612 |



Sample Name: J3213-08      Acquired: 6/4/2018 16:01:16      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MDATZ9      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .8742247 | .0731821 | .4966044 |
| Stddev | .0284588 | .0025803 | .0165707 |
| %RSD   | 3.255314 | 3.525815 | 3.336804 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .8552970 | .0712658 | .4862958 |
| #2 | .9069524 | .0761160 | .5157190 |
| #3 | .8604246 | .0721645 | .4877986 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2581.376 | 3302.629 | 50965.59 | 9100.115 | 3890.563 |
| Stddev    | 15.733   | 4.963    | 159.91   | 238.708  | 6.433    |
| %RSD      | .6094907 | .1502727 | .3137516 | 2.623129 | .1653560 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2583.134 | 3297.492 | 51092.95 | 9230.790 | 3883.202 |
| #2 | 2564.837 | 3307.397 | 50786.14 | 8824.601 | 3893.381 |
| #3 | 2596.156 | 3302.999 | 51017.70 | 9244.955 | 3895.107 |

Sample Name: J3213-09      Acquired: 6/4/2018 16:05:14      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAW00      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1540285 | .0026645 | 3.703358 | .0131383 | .0181894 | 90.93621 | 2.281049 |
| Stddev | .0089674 | .0031780 | .067433  | .0016709 | .0013393 | .15504   | .004290  |
| %RSD   | 5.821922 | 119.2698 | 1.820862 | 12.71734 | 7.363196 | .1704953 | .1880545 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1513244 | .0045151 | 3.625571 | .0140156 | .0166863 | 91.03699 | 2.285991 |
| #2 | .1467243 | .0044835 | 3.739220 | .0141878 | .0192559 | 90.75768 | 2.278289 |
| #3 | .1640368 | -.001005 | 3.745281 | .0112116 | .0186259 | 91.01397 | 2.278867 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0169642 | .0211259 | 225.7773 | .2762371 | .1058196 | .7057226 | 417.4660 |
| Stddev | .0002626 | .0007499 | .1010    | .0009231 | .0023360 | .0025133 | 1.6196   |
| %RSD   | 1.547955 | 3.549541 | .0447503 | .3341567 | 2.207501 | .3561330 | .3879553 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0172585 | .0202627 | 225.7396 | .2771009 | .1031223 | .7040903 | 415.6128 |
| #2 | .0167539 | .0214986 | 225.7005 | .2763459 | .1071595 | .7044607 | 418.1754 |
| #3 | .0168803 | .0216163 | 225.8918 | .2752644 | .1071770 | .7086168 | 418.6099 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 20.11597 | 55.89657 | .2249992 | .0033288 | 3.121458 | .3508937 | 6.928683 |
| Stddev | .07531   | .24078   | .0053293 | .0005584 | .163888  | .0044168 | .133408  |
| %RSD   | .3743713 | .4307605 | 2.368604 | 16.77616 | 5.250377 | 1.258740 | 1.925449 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 20.09280 | 55.64085 | .2189470 | .0029284 | 3.251848 | .3487528 | 6.829884 |
| #2 | 20.05497 | 55.92994 | .2270608 | .0039667 | 3.175042 | .3559730 | 7.080439 |
| #3 | 20.20014 | 56.11893 | .2289897 | .0030912 | 2.937485 | .3479554 | 6.875727 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.750712 | 1.465319 | .5958424 | .0194836 | 6.157366 | 5.951391 | .1603936 |
| Stddev | .067641  | .031692  | .0100577 | .0003582 | .135747  | .055842  | .0034021 |
| %RSD   | 1.001980 | 2.162800 | 1.687978 | 1.838604 | 2.204629 | .9382969 | 2.121067 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.801086 | 1.429807 | .5844555 | .0197787 | 6.000841 | 5.987288 | .1571683 |
| #2 | 6.777218 | 1.475422 | .6035135 | .0190850 | 6.228394 | 5.887055 | .1600641 |
| #3 | 6.673832 | 1.490728 | .5995584 | .0195871 | 6.242863 | 5.979831 | .1639484 |

Sample Name: J3213-09      Acquired: 6/4/2018 16:05:14      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MDAW00      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.151406 | .1330526 | .6742557 |
| Stddev | .002678  | .0009174 | .0011967 |
| %RSD   | .2325452 | .6895166 | .1774851 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.152721 | .1337417 | .6752173 |
| #2 | 1.148325 | .1320113 | .6729155 |
| #3 | 1.153172 | .1334049 | .6746344 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2641.749 | 3442.082 | 51970.80 | 9431.177 | 3810.402 |
| Stddev    | 10.692   | 42.473   | 164.01   | 64.353   | 52.766   |
| %RSD      | .4047156 | 1.233930 | .3155849 | .6823444 | 1.384792 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2635.456 | 3489.801 | 51792.97 | 9368.146 | 3870.610 |
| #2 | 2635.698 | 3428.028 | 52003.30 | 9496.775 | 3788.391 |
| #3 | 2654.094 | 3408.417 | 52116.13 | 9428.611 | 3772.204 |

Sample Name: J3213-10      Acquired: 6/4/2018 16:09:14      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAW01      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1613862 | -.004703 | 10.69527 | .0137736 | .0284298 | 80.56256 | 2.364385 |
| Stddev | .0073716 | .003757  | .04921   | .0027459 | .0024154 | .34041   | .000699  |
| %RSD   | 4.567688 | 79.89065 | .4600909 | 19.93598 | 8.495970 | .4225470 | .0295559 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1642520 | -.002350 | 10.68914 | .0160246 | .0275188 | 80.92771 | 2.363578 |
| #2 | .1530120 | -.002723 | 10.64942 | .0107143 | .0311682 | 80.25397 | 2.364788 |
| #3 | .1668945 | -.009036 | 10.74726 | .0145820 | .0266025 | 80.50598 | 2.364789 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0148937 | .0697687 | 160.0511 | .2979010 | .0833025 | .8559423 | 384.7790 |
| Stddev | .0002246 | .0004102 | .2223    | .0223248 | .0005470 | .0009368 | 3.2530   |
| %RSD   | 1.507650 | .5879495 | .1388748 | 7.494042 | .6566051 | .1094503 | .8454116 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0149921 | .0694389 | 160.1044 | .3234204 | .0829335 | .8568783 | 388.1845 |
| #2 | .0150523 | .0696392 | 160.2419 | .2882986 | .0830431 | .8559438 | 381.7038 |
| #3 | .0146368 | .0702281 | 159.8071 | .2819840 | .0839309 | .8550046 | 384.4486 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 7.768236 | 46.43553 | .2104383 | .0012405 | 3.129727 | .3395850 | 10.57929 |
| Stddev | .044472  | .66706   | .0011726 | .0020135 | .178677  | .0052756 | .64374   |
| %RSD   | .5724801 | 1.436526 | .5572355 | 162.3132 | 5.709032 | 1.553558 | 6.084920 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 7.767359 | 47.18317 | .2105924 | -.000935 | 3.328398 | .3456726 | 11.31921 |
| #2 | 7.813139 | 45.90127 | .2091963 | .001619  | 2.982195 | .3363452 | 10.27083 |
| #3 | 7.724209 | 46.22214 | .2115263 | .003038  | 3.078588 | .3367371 | 10.14782 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.749175 | 1.209910 | .5372339 | .0171222 | 4.789158 | 4.965490 | .1180046 |
| Stddev | .059029  | .001568  | .0050833 | .0002039 | .028209  | .061437  | .0027647 |
| %RSD   | 1.242939 | .1296043 | .9462028 | 1.190819 | .5890108 | 1.237274 | 2.342891 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.775561 | 1.208561 | .5413817 | .0169623 | 4.793802 | 5.034293 | .1176251 |
| #2 | 4.790409 | 1.211630 | .5315633 | .0170526 | 4.758915 | 4.946059 | .1154492 |
| #3 | 4.681555 | 1.209538 | .5387569 | .0173518 | 4.814756 | 4.916118 | .1209394 |

Sample Name: J3213-10      Acquired: 6/4/2018 16:09:14      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAW01      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .8837358 | .0853314 | .4689510 |
| Stddev | .0028303 | .0005585 | .0004690 |
| %RSD   | .3202651 | .6545156 | .1000070 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .8869175 | .0858618 | .4691855 |
| #2 | .8827913 | .0847485 | .4692565 |
| #3 | .8814985 | .0853839 | .4684111 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2490.961 | 3354.272 | 49122.42 | 9281.400 | 3837.791 |
| Stddev    | 131.949  | 2.274    | 2664.72  | 27.160   | 5.161    |
| %RSD      | 5.297124 | .0677969 | 5.424643 | .2926273 | .1344778 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2339.286 | 3355.360 | 46071.33 | 9250.050 | 3835.287 |
| #2 | 2554.282 | 3355.798 | 50303.17 | 9296.327 | 3843.726 |
| #3 | 2579.315 | 3351.659 | 50992.74 | 9297.822 | 3834.358 |

Sample Name: J3213-11      Acquired: 6/4/2018 16:13:12      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAW02      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2351305 | .0016845 | 8.164269 | .0128945 | .0135932 | 69.83147 | 4.714437 |
| Stddev | .0043123 | .0057233 | .012738  | .0021058 | .0019308 | 7.49706  | .525207  |
| %RSD   | 1.834008 | 339.7644 | .1560260 | 16.33134 | 14.20389 | 10.73593 | 11.14040 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2396398 | .0010897 | 8.165505 | .0127740 | .0142755 | 63.74151 | 4.290102 |
| #2 | .2310467 | .0076819 | 8.150957 | .0108515 | .0114139 | 78.20469 | 5.301835 |
| #3 | .2347050 | -.003718 | 8.176343 | .0150580 | .0150902 | 67.54821 | 4.551376 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0133150 | .0231084 | 358.9584 | .2371349 | .1219633 | .5519026 | 291.0778 |
| Stddev | .0010526 | .0010095 | 38.5052  | .0046094 | .0004249 | .0613165 | 30.6564  |
| %RSD   | 7.905664 | 4.368596 | 10.72692 | 1.943788 | .3483838 | 11.11002 | 10.53204 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0123985 | .0237184 | 327.1680 | .2412097 | .1218556 | .5033713 | 266.1947 |
| #2 | .0144647 | .0219431 | 401.7734 | .2321321 | .1216026 | .6208141 | 325.3239 |
| #3 | .0130817 | .0236636 | 347.9339 | .2380630 | .1224317 | .5315224 | 281.7147 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 15.60405 | 156.5908 | .1216613 | .0038792 | 2.348753 | .3132697 | 7.875412 |
| Stddev | 1.79535  | 16.5789  | .0007498 | .0031866 | .254951  | .0275325 | .095954  |
| %RSD   | 11.50567 | 10.58742 | .6163270 | 82.14619 | 10.85472 | 8.788753 | 1.218400 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 14.13013 | 142.5805 | .1222291 | .0013289 | 2.222110 | .2919635 | 7.849706 |
| #2 | 17.60352 | 174.8939 | .1208113 | .0074514 | 2.642229 | .3443574 | 7.981601 |
| #3 | 15.07849 | 152.2981 | .1219436 | .0028573 | 2.181921 | .3034881 | 7.794930 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 8.131630 | 2.217813 | .4330614 | .0158658 | 9.668957 | 3.585681 | .0964431 |
| Stddev | 1.076274 | .002748  | .0493967 | .0001635 | .032693  | .310382  | .0014006 |
| %RSD   | 13.23565 | .1238978 | 11.40640 | 1.030342 | .3381231 | 8.656139 | 1.452302 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 7.214569 | 2.219660 | .3946609 | .0156820 | 9.670944 | 3.323946 | .0958210 |
| #2 | 9.316531 | 2.219125 | .4887868 | .0159205 | 9.635317 | 3.928581 | .0954613 |
| #3 | 7.863789 | 2.214656 | .4157365 | .0159949 | 9.700612 | 3.504515 | .0980471 |

Sample Name: J3213-11      Acquired: 6/4/2018 16:13:12      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAW02      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .7893327 | .0908694 | .6364618 |
| Stddev | .0855245 | .0097204 | .0679575 |
| %RSD   | 10.83504 | 10.69708 | 10.67739 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .7211066 | .0830183 | .5811543 |
| #2 | .8852789 | .1017416 | .7123238 |
| #3 | .7616127 | .0878483 | .6159074 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2485.594 | 3236.933 | 49302.96 | 8670.222 | 3631.225 |
| Stddev    | .879     | 5.006    | 160.41   | 736.086  | 5.152    |
| %RSD      | .0353735 | .1546673 | .3253657 | 8.489819 | .1418796 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2485.665 | 3242.361 | 49202.20 | 9347.106 | 3636.731 |
| #2 | 2486.435 | 3232.496 | 49218.72 | 7886.590 | 3630.423 |
| #3 | 2484.681 | 3235.941 | 49487.94 | 8776.969 | 3626.521 |

Sample Name: CCV004      Acquired: 6/4/2018 16:17:11      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV004      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 5.064154 | 4.939811 | 25.17113 | 5.098553 | 5.034425 | F 224.9838 |
| Stddev | .034841  | .011774  | .10320   | .018924  | .020299  | .7821      |
| %RSD   | .6879935 | .2383422 | .4100078 | .3711643 | .4031974 | .3476125   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 5.026211 | 4.927400 | 25.09535 | 5.082067 | 5.022514 | 225.8767 |
| #2 | 5.071545 | 4.950823 | 25.12936 | 5.094375 | 5.022899 | 224.4204 |
| #3 | 5.094707 | 4.941209 | 25.28867 | 5.119217 | 5.057863 | 224.6544 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | 9.950872 | .5177578 | 2.549039 | F 294.8176 | 15.23214 | 2.520478 |
| Stddev | .028106  | .0030786 | .006036  | .8408      | .05444   | .010115  |
| %RSD   | .2824436 | .5946095 | .2368068 | .2851765   | .3574305 | .4012951 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.958985 | .5202640 | 2.543323 | 294.5154 | 15.24167 | 2.511369 |
| #2 | 9.919602 | .5143213 | 2.548443 | 294.1698 | 15.17355 | 2.518703 |
| #3 | 9.974028 | .5186880 | 2.555352 | 295.7677 | 15.28118 | 2.531363 |

|        |          |            |          |            |          |          |
|--------|----------|------------|----------|------------|----------|----------|
| Elem   | Cu3247   | Fe2598     | Mn2576   | Mg2790     | Ni2316   | Ag3280   |
| Units  | ppm      | ppm        | ppm      | ppm        | ppm      | ppm      |
| Avg    | 14.83153 | F 230.7391 | 14.78324 | F 301.7160 | 2.525889 | 1.172112 |
| Stddev | .01683   | 1.7861     | .05927   | 1.2734     | .008652  | .002517  |
| %RSD   | .1134778 | .7740990   | .4009194 | .4220589   | .3425373 | .2147118 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 14.84806 | 232.7828 | 14.72117 | 303.1819 | 2.518673 | 1.169589 |
| #2 | 14.81441 | 229.4767 | 14.78933 | 300.8832 | 2.523514 | 1.172125 |
| #3 | 14.83212 | 229.9578 | 14.83924 | 301.0830 | 2.535481 | 1.174622 |

|        |            |          |          |          |            |          |
|--------|------------|----------|----------|----------|------------|----------|
| Elem   | Na8183     | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496   |
| Units  | ppm        | ppm      | ppm      | ppm      | ppm        | ppm      |
| Avg    | F 222.4253 | 2.524382 | 14.81860 | 153.3585 | F 6.940329 | 5.198034 |
| Stddev | .7588      | .015766  | .03525   | .2130    | .022892    | .032879  |
| %RSD   | .3411348   | .6245546 | .2378920 | .1388931 | .3298445   | .6325341 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 223.2962 | 2.542580 | 14.84821 | 153.5408 | 6.914310 | 5.226505 |
| #2 | 221.9069 | 2.515721 | 14.77960 | 153.1244 | 6.957380 | 5.162047 |
| #3 | 222.0727 | 2.514845 | 14.82799 | 153.4104 | 6.949296 | 5.205550 |



Sample Name: CCV004      Acquired: 6/4/2018 16:17:11      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV004      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.057756 | 5.199716 | 5.132943 | 5.107289 | 5.060968 | 5.052154 |
| Stddev | .018546  | .025340  | .019709  | .012966  | .012522  | .012268  |
| %RSD   | .3666804 | .4873437 | .3839616 | .2538668 | .2474222 | .2428224 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 5.042067 | 5.172387 | 5.148806 | 5.092505 | 5.075243 | 5.058806 |
| #2 | 5.052977 | 5.204329 | 5.110880 | 5.112637 | 5.055824 | 5.037997 |
| #3 | 5.078223 | 5.222434 | 5.139143 | 5.116726 | 5.051838 | 5.059659 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 5.106237 |
| Stddev | .007527  |
| %RSD   | .1474094 |

|    |          |
|----|----------|
| #1 | 5.108412 |
| #2 | 5.097861 |
| #3 | 5.112436 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2199.377 | 2821.153 | 44212.84 | 8167.470 | 3368.617 |
| Stddev    | 12.997   | 9.863    | 93.72    | 4.782    | 8.847    |
| %RSD      | .5909489 | .3495953 | .2119757 | .0585483 | .2626245 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2214.257 | 2827.818 | 44312.17 | 8166.917 | 3372.914 |
| #2 | 2190.246 | 2825.818 | 44125.98 | 8162.988 | 3374.494 |
| #3 | 2193.628 | 2809.823 | 44200.38 | 8172.504 | 3358.442 |

Sample Name: CCB004      Acquired: 6/4/2018 16:20:58      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB004      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.001195 | .0017176 | -.000968 | -.001420 | -.000643 | .0039056 | -.000330 |
| Stddev | .001362  | .0023011 | .000889  | .003549  | .000728  | .0052146 | .000560  |
| %RSD   | 113.9779 | 133.9716 | 91.87991 | 250.0108 | 113.1789 | 133.5155 | 169.6803 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.001281 | .0043548 | -.001035 | -.005475 | .000119  | .0074576 | -.000728 |
| #2 | -.002512 | .0006796 | -.001821 | .000094  | -.000717 | .0063402 | -.000573 |
| #3 | .000208  | .0001184 | -.000047 | .001122  | -.001332 | -.002081 | .000310  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000936 | .0001031 | -.009308 | -.000026 | -.000076 | .0001577 | -.017562 |
| Stddev | .0000111 | .0001373 | .007656  | .000288  | .000113  | .0015976 | .003325  |
| %RSD   | 11.85154 | 133.1469 | 82.24668 | 1093.447 | 150.1308 | 1012.844 | 18.93104 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000899 | .0001870 | -.018135 | .000296  | -.000046 | -.000302 | -.021276 |
| #2 | .0001061 | -.000055 | -.004480 | -.000118 | -.000201 | .001935  | -.014863 |
| #3 | .0000849 | .000178  | -.005309 | -.000258 | .000020  | -.001159 | -.016547 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0001394 | .0228103 | -.000367 | .0002423 | .1102828 | -.000391 | .0022956 |
| Stddev | .0012060 | .0212018 | .000181  | .0002761 | .1348844 | .001587  | .0075822 |
| %RSD   | 864.9280 | 92.94834 | 49.32905 | 113.9499 | 122.3077 | 406.1820 | 330.2910 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0007503 | -.000771 | -.000490 | -.000016 | -.044315 | -.001035 | -.005871 |
| #2 | -.001250 | .028904  | -.000159 | .000534  | .171201  | .001417  | .003646  |
| #3 | .000918  | .040298  | -.000453 | .000209  | .203963  | -.001555 | .009112  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.134559 | -.001284 | .0017390 | .0001117 | .0065513 | -.002319 | .0010055 |
| Stddev | .045203  | .000322  | .0003024 | .0000695 | .0040202 | .000654  | .0010134 |
| %RSD   | 33.59372 | 25.08890 | 17.38835 | 62.19273 | 61.36524 | 28.18682 | 100.7863 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.083829 | -.001019 | .0014798 | .0000481 | .0061901 | -.002883 | .0001338 |
| #2 | -.170564 | -.001189 | .0016659 | .0001858 | .0027239 | -.002471 | .0007652 |
| #3 | -.149283 | -.001642 | .0020712 | .0001012 | .0107399 | -.001602 | .0021174 |

Sample Name: CCB004      Acquired: 6/4/2018 16:20:58      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB004      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000109 | -.000738 | .0000169 |
| Stddev | .000356  | .001175  | .0000304 |
| %RSD   | 326.3026 | 159.2928 | 179.8793 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000285 | -.001440 | .0000499 |
| #2 | .000300  | .000619  | -.000010 |
| #3 | -.000342 | -.001393 | .000011  |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2497.895 | 3177.771 | 48663.94 | 8450.125 | 4195.286 |
| Stddev    | 5.649    | 112.392  | 171.02   | 23.998   | 152.901  |
| %RSD      | .2261312 | 3.536805 | .3514397 | .2839905 | 3.644601 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2504.024 | 3234.455 | 48626.42 | 8438.925 | 4279.945 |
| #2 | 2492.899 | 3250.534 | 48514.79 | 8433.775 | 4287.134 |
| #3 | 2496.761 | 3048.325 | 48850.61 | 8477.675 | 4018.779 |

Sample Name: J3213-12      Acquired: 6/4/2018 16:25:06      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAW03      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3508806 | -.010311 | 9.987548 | .0169691 | .0175954 | 74.28571 | 4.258891 |
| Stddev | .0016316 | .002528  | .062464  | .0017513 | .0027081 | .17721   | .020164  |
| %RSD   | .4650144 | 24.51563 | .6254233 | 10.32075 | 15.39103 | .2385554 | .4734622 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3518689 | -.009312 | 9.919694 | .0150280 | .0185896 | 74.08923 | 4.239173 |
| #2 | .3489973 | -.008436 | 10.00029 | .0174484 | .0196659 | 74.33443 | 4.279474 |
| #3 | .3517756 | -.013186 | 10.04266 | .0184309 | .0145307 | 74.43346 | 4.258027 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0181042 | .0198186 | 87.55016 | .3001462 | .1056890 | .6926090 | 410.9149 |
| Stddev | .0002670 | .0003756 | .35674   | .0134118 | .0008145 | .0028061 | 1.2645   |
| %RSD   | 1.474607 | 1.895087 | .4074740 | 4.468437 | .7706534 | .4051559 | .3077169 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0180488 | .0194677 | 87.18699 | .2851308 | .1047492 | .6905600 | 410.8020 |
| #2 | .0178693 | .0197734 | 87.90011 | .3043708 | .1061907 | .6958074 | 409.7107 |
| #3 | .0183945 | .0202147 | 87.56340 | .3109372 | .1061271 | .6914597 | 412.2320 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.657357 | 18.87938 | .1513761 | .0018371 | 2.619853 | .4765167 | 5.442050 |
| Stddev | .056387  | .09894   | .0018581 | .0016082 | .044344  | .0068182 | .107640  |
| %RSD   | .8469840 | .5240891 | 1.227491 | 87.54146 | 1.692619 | 1.430837 | 1.977929 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.629818 | 18.81203 | .1493021 | .0036577 | 2.669804 | .4822066 | 5.329031 |
| #2 | 6.722221 | 18.83312 | .1519370 | .0012439 | 2.604626 | .4689594 | 5.453768 |
| #3 | 6.620031 | 18.99298 | .1528891 | .0006097 | 2.585129 | .4783841 | 5.543352 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 7.048565 | 1.660853 | .5849549 | .0214976 | 9.770421 | 5.252843 | .1344485 |
| Stddev | .021466  | .004365  | .0047526 | .0004872 | .046179  | .054689  | .0019015 |
| %RSD   | .3045500 | .2628186 | .8124668 | 2.266052 | .4726389 | 1.041130 | 1.414290 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 7.051085 | 1.658090 | .5901275 | .0217420 | 9.734210 | 5.202619 | .1333091 |
| #2 | 7.068660 | 1.658583 | .5839561 | .0218142 | 9.754628 | 5.244802 | .1333928 |
| #3 | 7.025950 | 1.665885 | .5807811 | .0209367 | 9.822424 | 5.311107 | .1366436 |

Sample Name: J3213-12      Acquired: 6/4/2018 16:25:06      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MDAW03      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.127105 | .0979610 | .8642523 |
| Stddev | .001359  | .0006582 | .0032734 |
| %RSD   | .1205743 | .6719495 | .3787566 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.128593 | .0985042 | .8617108 |
| #2 | 1.126795 | .0972290 | .8679460 |
| #3 | 1.125928 | .0981498 | .8631001 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2640.230 | 3521.325 | 52093.45 | 9607.007 | 3965.823 |
| Stddev    | 74.956   | 17.963   | 1621.84  | 58.191   | 18.605   |
| %RSD      | 2.839008 | .5101087 | 3.113326 | .6057096 | .4691445 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2719.192 | 3528.463 | 53926.00 | 9596.008 | 3981.963 |
| #2 | 2631.444 | 3534.622 | 51511.35 | 9669.912 | 3970.032 |
| #3 | 2570.054 | 3500.891 | 50843.00 | 9555.101 | 3945.474 |

Sample Name: J3213-13      Acquired: 6/4/2018 16:29:03      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAW04      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3430185 | -.003142 | 6.596171 | .0170337 | .0144174 | 73.68788 | 4.336754 |
| Stddev | .0057952 | .002632  | .014221  | .0036686 | .0033284 | .35533   | .016668  |
| %RSD   | 1.689465 | 83.77929 | .2155878 | 21.53704 | 23.08590 | .4822067 | .3843401 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3373528 | -.000788 | 6.584341 | .0181875 | .0144355 | 74.03989 | 4.349589 |
| #2 | .3427678 | -.002654 | 6.611948 | .0129269 | .0177366 | 73.69445 | 4.317916 |
| #3 | .3489350 | -.005984 | 6.592224 | .0199866 | .0110800 | 73.32932 | 4.342757 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0147083 | .0250227 | 159.9462 | .2089776 | .0939699 | .6145578 | 289.6008 |
| Stddev | .0000917 | .0000731 | .3901    | .0127445 | .0005995 | .0048271 | 2.5941   |
| %RSD   | .6231081 | .2921019 | .2438814 | 6.098478 | .6379848 | .7854613 | .8957606 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0146800 | .0250180 | 159.8078 | .2051027 | .0933271 | .6201208 | 291.6316 |
| #2 | .0146341 | .0250980 | 159.6442 | .1986204 | .0945138 | .6120783 | 290.4923 |
| #3 | .0148107 | .0249520 | 160.3866 | .2232098 | .0940689 | .6114744 | 286.6784 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 7.520051 | 54.51891 | .1671929 | .0044201 | 2.575927 | .3358435 | 7.309954 |
| Stddev | .051261  | .61689   | .0005589 | .0017338 | .209181  | .0029488 | .317056  |
| %RSD   | .6816614 | 1.131510 | .3342742 | 39.22567 | 8.120594 | .8780182 | 4.337315 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 7.472287 | 54.74926 | .1665934 | .0048081 | 2.661338 | .3392404 | 7.229118 |
| #2 | 7.513656 | 54.98747 | .1676996 | .0059271 | 2.337555 | .3343480 | 7.041141 |
| #3 | 7.574210 | 53.81999 | .1672855 | .0025252 | 2.728887 | .3339421 | 7.659602 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 9.268988 | 1.886264 | .4336631 | .0179647 | 7.638361 | 5.040099 | .1144275 |
| Stddev | .033279  | .003273  | .0088510 | .0002728 | .020031  | .055342  | .0023106 |
| %RSD   | .3590334 | .1735061 | 2.040992 | 1.518434 | .2622483 | 1.098042 | 2.019236 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 9.240944 | 1.885810 | .4407256 | .0181484 | 7.626216 | 5.016023 | .1121062 |
| #2 | 9.305762 | 1.883242 | .4365297 | .0180944 | 7.627385 | 5.000874 | .1144491 |
| #3 | 9.260260 | 1.889740 | .4237341 | .0176512 | 7.661481 | 5.103402 | .1167272 |

Sample Name: J3213-13      Acquired: 6/4/2018 16:29:03      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MDAW04      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.226546 | .1081999 | .8754959 |
| Stddev | .002079  | .0004905 | .0009357 |
| %RSD   | .1695087 | .4532913 | .1068745 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.228647 | .1087611 | .8746846 |
| #2 | 1.226501 | .1078532 | .8752836 |
| #3 | 1.224490 | .1079855 | .8765195 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2607.588 | 3406.211 | 51529.86 | 9285.977 | 3867.746 |
| Stddev    | 111.366  | 7.441    | 2072.94  | 17.269   | 7.791    |
| %RSD      | 4.270827 | .2184536 | 4.022795 | .1859658 | .2014468 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2631.793 | 3414.765 | 52178.90 | 9273.857 | 3876.032 |
| #2 | 2704.861 | 3402.631 | 53200.63 | 9278.324 | 3860.568 |
| #3 | 2486.111 | 3401.237 | 49210.06 | 9305.750 | 3866.637 |

Sample Name: J3213-14      Acquired: 6/4/2018 16:33:00      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDAW05      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3229265 | -.001693 | 5.034581 | .0099129 | .0131275 | 112.0219 | 3.434063 |
| Stddev | .0023982 | .003490  | .029874  | .0023946 | .0016343 | .3428    | .003449  |
| %RSD   | .7426361 | 206.0957 | .5933855 | 24.15596 | 12.44940 | .3060240 | .1004355 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3242247 | -.003668 | 5.066518 | .0123232 | .0120996 | 112.4152 | 3.430637 |
| #2 | .3201591 | .002336  | 5.029904 | .0075344 | .0122708 | 111.8636 | 3.434017 |
| #3 | .3243957 | -.003748 | 5.007321 | .0098812 | .0150120 | 111.7868 | 3.437534 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0153021 | .0181402 | 326.9361 | .1784629 | .0732838 | .4391383 | 258.3341 |
| Stddev | .0000165 | .0001003 | .5060    | .0015911 | .0005435 | .0012505 | .9318    |
| %RSD   | .1076799 | .5528167 | .1547827 | .8915316 | .7416160 | .2847554 | .3606913 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0153039 | .0181124 | 327.5195 | .1787687 | .0734797 | .4390626 | 259.3563 |
| #2 | .0153175 | .0182514 | 326.6163 | .1767411 | .0737022 | .4379274 | 258.1136 |
| #3 | .0152847 | .0180567 | 326.6724 | .1798788 | .0726695 | .4404249 | 257.5323 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 13.10745 | 165.0703 | .1281658 | .0018159 | 8.118964 | .3289770 | 5.790706 |
| Stddev | .11285   | .0243    | .0011054 | .0001385 | .128940  | .0016952 | .049380  |
| %RSD   | .8609232 | .0147394 | .8624453 | 7.629534 | 1.588131 | .5152959 | .8527380 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 13.21496 | 165.0567 | .1292550 | .0017336 | 8.264901 | .3309030 | 5.733729 |
| #2 | 13.11745 | 165.0558 | .1270450 | .0017383 | 8.020456 | .3283165 | 5.817306 |
| #3 | 12.98994 | 165.0984 | .1281974 | .0019758 | 8.071535 | .3277115 | 5.821082 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 14.69173 | 1.415808 | .4010938 | .0173768 | 9.218400 | 4.709223 | .0686732 |
| Stddev | .05596   | .009896  | .0009992 | .0002164 | .043203  | .053613  | .0017077 |
| %RSD   | .3809006 | .6989710 | .2491266 | 1.245589 | .4686556 | 1.138468 | 2.486727 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 14.74444 | 1.427222 | .4020538 | .0174753 | 9.265021 | 4.770116 | .0696888 |
| #2 | 14.69775 | 1.409630 | .4011682 | .0175264 | 9.210462 | 4.688439 | .0696292 |
| #3 | 14.63301 | 1.410572 | .4000595 | .0171286 | 9.179717 | 4.669114 | .0667016 |



Sample Name: J3213-14      Acquired: 6/4/2018 16:33:00      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MDAW05      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.426790 | .2360872 | .9288705 |
| Stddev | .014158  | .0020306 | .0032587 |
| %RSD   | .5833841 | .8601169 | .3508258 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.441560 | .2364083 | .9316924 |
| #2 | 2.413337 | .2339152 | .9296153 |
| #3 | 2.425472 | .2379382 | .9253039 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2534.912 | 3313.699 | 50463.32 | 9201.219 | 3648.849 |
| Stddev    | 13.763   | 6.171    | 50.92    | 80.534   | 16.769   |
| %RSD      | .5429313 | .1862134 | .1009085 | .8752560 | .4595751 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2548.529 | 3306.640 | 50429.64 | 9114.617 | 3631.790 |
| #2 | 2521.008 | 3318.063 | 50521.90 | 9215.181 | 3649.445 |
| #3 | 2535.197 | 3316.396 | 50438.42 | 9273.859 | 3665.312 |

Sample Name: PB109866BL      Acquired: 6/4/2018 16:36:58      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      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    | -.000073 | -.001056 | -.000908 | -.000165 | .0000786 | .0004266 | -.000059 |
| Stddev | .001733  | .000671  | .001433  | .001165  | .0014257 | .0044552 | .000180  |
| %RSD   | 2377.119 | 63.51889 | 157.8935 | 704.8096 | 1814.406 | 1044.347 | 306.3224 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .000299  | -.001057 | -.000378 | .001109  | -.001321 | .0045899 | -.000228 |
| #2 | .001444  | -.000385 | -.002530 | -.001177 | .001529  | .0009620 | .000130  |
| #3 | -.001962 | -.001726 | .000185  | -.000428 | .000028  | -.004272 | -.000078 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000646 | .0000402 | .0054831 | .0002192 | .0000750 | .0013317 | -.004627 |
| Stddev | .0000507 | .0000446 | .0151105 | .0002806 | .0001598 | .0024019 | .006359  |
| %RSD   | 78.46684 | 111.0056 | 275.5849 | 128.0145 | 213.2056 | 180.3602 | 137.4310 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000064 | .0000355 | .0228844 | -.000058 | .0000465 | -.001430 | -.010921 |
| #2 | .0000882 | .0000869 | -.002112 | .000503  | .0002471 | .002929  | -.004757 |
| #3 | .0000994 | -.000002 | -.004323 | .000212  | -.000069 | .002497  | .001796  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0006543 | .0435408 | .0002767 | .0001659 | .1336871 | -.000942 | -.000659 |
| Stddev | .0002637 | .0047011 | .0003003 | .0003843 | .1129859 | .003698  | .002587  |
| %RSD   | 40.30844 | 10.79703 | 108.5403 | 231.5996 | 84.51517 | 392.6872 | 392.3476 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0009083 | .0388060 | .0005438 | .0006092 | .0321068 | -.003682 | -.003546 |
| #2 | .0003818 | .0482075 | .0003345 | -.000037 | .1135766 | -.002408 | .001450  |
| #3 | .0006728 | .0436091 | -.000048 | -.000074 | .2553778 | .003264  | .000118  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.140680 | -.001083 | -.002016 | -.000136 | .0029953 | -.003312 | .0008380 |
| Stddev | .050079  | .000361  | .000434  | .000228  | .0021753 | .000522  | .0011007 |
| %RSD   | 35.59748 | 33.34289 | 21.51067 | 166.9323 | 72.62175 | 15.74890 | 131.3431 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.153630 | -.001205 | -.002508 | -.000328 | .0042611 | -.003355 | .0000282 |
| #2 | -.085399 | -.001367 | -.001850 | .000115  | .0042413 | -.003810 | .0003946 |
| #3 | -.183012 | -.000677 | -.001690 | -.000197 | .0004836 | -.002770 | .0020913 |

Sample Name: PB109866BL      Acquired: 6/4/2018 16:36:58      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      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    | .0009145 | -.000722 | .0000157 |
| Stddev | .0011494 | .001170  | .0000476 |
| %RSD   | 125.6859 | 162.0680 | 304.3472 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0005314 | -.001363 | -.000001 |
| #2 | .0022065 | -.001431 | -.000021 |
| #3 | .0000056 | .000628  | .000069  |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2497.024 | 3256.035 | 48825.83 | 8489.375 | 4271.379 |
| Stddev    | 4.636    | 30.595   | 291.23   | 38.820   | 39.433   |
| %RSD      | .1856670 | .9396444 | .5964696 | .4572812 | .9231810 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2491.868 | 3291.191 | 48552.87 | 8507.350 | 4316.161 |
| #2 | 2498.356 | 3235.434 | 49132.41 | 8444.825 | 4241.856 |
| #3 | 2500.849 | 3241.481 | 48792.21 | 8515.950 | 4256.119 |

Sample Name: PB109866BS      Acquired: 6/4/2018 16:49:23      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      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    | .0177796 | .0441063 | .0200715 | .0641623 | .1091095 | .3972100 |
| Stddev | .0015060 | .0012682 | .0006785 | .0014582 | .0005261 | .0088536 |
| %RSD   | 8.470601 | 2.875335 | 3.380455 | 2.272589 | .4821946 | 2.228947 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0195185 | .0426422 | .0196700 | .0646779 | .1086927 | .3966263 |
| #2 | .0169249 | .0448118 | .0208549 | .0652926 | .1089352 | .4063410 |
| #3 | .0168954 | .0448648 | .0196897 | .0625164 | .1097007 | .3886627 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .3663569 | .0099279 | .0096195 | F 2.366528 | .0226807 | .0945672 |
| Stddev | .0011758 | .0003096 | .0000369 | .006096    | .0034062 | .0003968 |
| %RSD   | .3209514 | 3.118183 | .3833144 | .2575900   | 15.01783 | .4195476 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3676395 | .0097670 | .0096306 | 2.367679 | .0210219 | .0941181 |
| #2 | .3661012 | .0097320 | .0095783 | 2.359939 | .0204217 | .0947134 |
| #3 | .3653299 | .0102848 | .0096495 | 2.371966 | .0265985 | .0948701 |

|        |          |            |          |            |          |          |
|--------|----------|------------|----------|------------|----------|----------|
| Elem   | Cu3247   | Fe2598     | Mn2576   | Mg2790     | Ni2316   | Ag3280   |
| Units  | ppm      | ppm        | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0492079 | F .2767025 | .0304992 | F 2.237915 | .0784678 | .0205094 |
| Stddev | .0010420 | .0048512   | .0010113 | .036375    | .0004470 | .0029026 |
| %RSD   | 2.117607 | 1.753225   | 3.315739 | 1.625397   | .5696273 | 14.15240 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0483963 | .2734626 | .0315159 | 2.220237 | .0783328 | .0187150 |
| #2 | .0488444 | .2822800 | .0304883 | 2.213758 | .0789668 | .0189550 |
| #3 | .0503830 | .2743651 | .0294934 | 2.279751 | .0781039 | .0238581 |

|        |          |          |          |          |            |            |
|--------|----------|----------|----------|----------|------------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm        |
| Avg    | 9.903400 | .0990449 | .1200578 | 8.151147 | F .0049701 | F .0178148 |
| Stddev | .177293  | .0017340 | .0092733 | .080266  | .0003573   | .0013955   |
| %RSD   | 1.790223 | 1.750707 | 7.724045 | .9847179 | 7.188503   | 7.833547   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 10.00949 | .0998457 | .1130852 | 8.243733 | .0047142 | .0185532 |
| #2 | 9.69873  | .0970552 | .1165062 | 8.101188 | .0053782 | .0162052 |
| #3 | 10.00199 | .1002337 | .1305820 | 8.108521 | .0048178 | .0186860 |

Sample Name: PB109866BS      Acquired: 6/4/2018 16:49:23      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      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    | .0214129 | .1706741 | .1833495 | F .0145271 | .1992096 | .1029847 |
| Stddev | .0002196 | .0049723 | .0038476 | .0004195   | .0011147 | .0011485 |
| %RSD   | 1.025435 | 2.913332 | 2.098504 | 2.887609   | .5595749 | 1.115172 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0213746 | .1729273 | .1812864 | .0145771 | .1994748 | .1041971 |
| #2 | .0212150 | .1741208 | .1809734 | .0140848 | .1979862 | .1019132 |
| #3 | .0216491 | .1649741 | .1877886 | .0149193 | .2001678 | .1028439 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .2001057 |
| Stddev | .0006772 |
| %RSD   | .3384279 |

|    |          |
|----|----------|
| #1 | .2008780 |
| #2 | .1998260 |
| #3 | .1996132 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2313.968 | 3218.755 | 45505.85 | 8407.008 | 4232.931 |
| Stddev    | 246.963  | 8.648    | 5205.25  | 54.083   | 12.818   |
| %RSD      | 10.67269 | .2686873 | 11.43863 | .6433097 | .3028167 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2448.912 | 3210.879 | 48308.59 | 8368.960 | 4223.691 |
| #2 | 2464.057 | 3228.010 | 48709.15 | 8468.919 | 4247.564 |
| #3 | 2028.934 | 3217.375 | 39499.80 | 8383.147 | 4227.537 |

Sample Name: J3155-01      Acquired: 6/4/2018 17:09:55      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATT0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2573429 | -.001521 | 1.235054 | .0289205 | .0217838 | 161.9520 |
| Stddev | .0044583 | .007679  | .017100  | .0093014 | .0019952 | 9.1226   |
| %RSD   | 1.732440 | 504.9377 | 1.384555 | 32.16208 | 9.159054 | 5.632895 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2535198 | -.006789 | 1.226921 | .0228296 | .0194807 | 155.4069 |
| #2 | .2562688 | .007290  | 1.223537 | .0396271 | .0228865 | 172.3724 |
| #3 | .2622402 | -.005063 | 1.254702 | .0243049 | .0229843 | 158.0765 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.994165 | .0318128 | .0106656 | 54.78891 | .8773364 | .4385769 |
| Stddev | .111179  | .0013678 | .0018691 | 2.98397  | .0281911 | .0066274 |
| %RSD   | 5.575203 | 4.299488 | 17.52484 | 5.446296 | 3.213259 | 1.511109 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.912017 | .0308044 | .0112474 | 52.53288 | .9082689 | .4338044 |
| #2 | 2.120676 | .0333697 | .0085748 | 58.17232 | .8530881 | .4357824 |
| #3 | 1.949802 | .0312643 | .0121747 | 53.66153 | .8706523 | .4461439 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .2973791 | 678.8616 | F 37.22319 | 10.87283 | .2526215 | .0053131 |
| Stddev | .0158247 | 40.2980  | 2.32857    | .64769   | .0043855 | .0051742 |
| %RSD   | 5.321395 | 5.936114 | 6.255690   | 5.956974 | 1.735983 | 97.38435 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2845951 | 650.7925 | 35.53951 | 10.46136 | .2496753 | .0009509 |
| #2 | .3150781 | 725.0368 | 39.88056 | 11.61942 | .2505276 | .0110298 |
| #3 | .2924642 | 660.7554 | 36.24951 | 10.53771 | .2576614 | .0039588 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.214788 | .8306220 | 1.305187 | 7.589316 | .9065617 | .9187105 |
| Stddev | .073789  | .0481459 | .052208  | .488682  | .0151280 | .0725878 |
| %RSD   | 2.295299 | 5.796362 | 4.000063 | 6.439082 | 1.668719 | 7.901053 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.134803 | .8074176 | 1.365384 | 7.299995 | .8914265 | .8697356 |
| #2 | 3.280209 | .8859756 | 1.277901 | 8.153537 | .9065761 | 1.002105 |
| #3 | 3.229353 | .7984726 | 1.272276 | 7.314417 | .9216824 | .884290  |

Sample Name: J3155-01      Acquired: 6/4/2018 17:09:55      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATT0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0201132 | 2.637678 | 6.887216 | .0735410 | 1.360737 | .0807570 |
| Stddev | .0003911 | .062803  | .270933  | .0006358 | .076718  | .0055233 |
| %RSD   | 1.944309 | 2.381011 | 3.933851 | .8644829 | 5.637954 | 6.839345 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0198696 | 2.593629 | 6.684769 | .0735693 | 1.306459 | .0772798 |
| #2 | .0199056 | 2.609812 | 7.194997 | .0728915 | 1.448506 | .0871258 |
| #3 | .0205642 | 2.709592 | 6.781882 | .0741620 | 1.327245 | .0778656 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .2230560 |
| Stddev | .0124159 |
| %RSD   | 5.566279 |

|    |          |
|----|----------|
| #1 | .2137285 |
| #2 | .2371486 |
| #3 | .2182909 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 3115.696 | 4026.521 | 61979.54 | 10477.97 | 3840.382 |
| Stddev    | 69.061   | 32.806   | 1300.91  | 456.25   | 44.061   |
| %RSD      | 2.216562 | .8147448 | 2.098938 | 4.354372 | 1.147301 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 3042.857 | 4046.610 | 60509.35 | 10828.85 | 3869.526 |
| #2 | 3180.229 | 4044.289 | 62981.59 | 9962.20  | 3861.925 |
| #3 | 3124.002 | 3988.664 | 62447.69 | 10642.86 | 3789.695 |

Sample Name: J3155-02      Acquired: 6/4/2018 17:13:53      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATT1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2537613 | -.018073 | 1.528959 | .0238102 | .0233162 | 159.1817 | 1.550313 |
| Stddev | .0071701 | .001444  | .005818  | .0048773 | .0035202 | 1.3131   | .007252  |
| %RSD   | 2.825514 | 7.991028 | .3805041 | 20.48414 | 15.09774 | .8248796 | .4677683 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2560091 | -.016948 | 1.526775 | .0182447 | .0273424 | 157.6783 | 1.542043 |
| #2 | .2595383 | -.019701 | 1.535553 | .0273393 | .0208190 | 160.1037 | 1.553304 |
| #3 | .2457367 | -.017568 | 1.524550 | .0258465 | .0217872 | 159.7630 | 1.555590 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0292612 | .0203762 | 40.61235 | .9909041 | .3286419 | .4107341 | 684.4580 |
| Stddev | .0001801 | .0000901 | .18706   | .0299159 | .0014444 | .0034939 | 6.3556   |
| %RSD   | .6153955 | .4422715 | .4606045 | 3.019049 | .4395075 | .8506369 | .9285614 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0291087 | .0204215 | 40.40824 | 1.021713 | .3269956 | .4093511 | 677.1496 |
| #2 | .0294598 | .0204348 | 40.65322 | .989030  | .3292341 | .4081435 | 688.6904 |
| #3 | .0292149 | .0202725 | 40.77560 | .961969  | .3296962 | .4147078 | 687.5340 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 21.10307 | 8.738358 | .2550168 | .0019135 | 3.499517 | .7591144 | 3.213643 |
| Stddev | .11007   | .092669  | .0014732 | .0023862 | .066327  | .0078257 | .097277  |
| %RSD   | .5215892 | 1.060486 | .5776716 | 124.6990 | 1.895326 | 1.030899 | 3.027007 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 20.97819 | 8.665413 | .2536186 | -.000419 | 3.427674 | .7550972 | 3.311808 |
| #2 | 21.18600 | 8.842631 | .2548767 | .001810  | 3.512455 | .7541131 | 3.211841 |
| #3 | 21.14501 | 8.707031 | .2565550 | .004350  | 3.558423 | .7681328 | 3.117279 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 8.014163 | 1.143956 | .9172216 | .0164191 | 3.300497 | 4.700228 | .0508154 |
| Stddev | .061709  | .005910  | .0157219 | .0002463 | .010641  | .019577  | .0019067 |
| %RSD   | .7699936 | .5166610 | 1.714081 | 1.500135 | .3224121 | .4165029 | 3.752216 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 7.943549 | 1.144497 | .9006280 | .0162322 | 3.311065 | 4.685997 | .0491530 |
| #2 | 8.057725 | 1.137793 | .9318956 | .0166982 | 3.289784 | 4.722554 | .0503966 |
| #3 | 8.041216 | 1.149576 | .9191412 | .0163268 | 3.300640 | 4.692134 | .0528968 |



Sample Name: J3155-02      Acquired: 6/4/2018 17:13:53      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MDATT1      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.379094 | .0738232 | .1912204 |
| Stddev | .016153  | .0003812 | .0005586 |
| %RSD   | 1.171294 | .5163590 | .2921182 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.361018 | .0741914 | .1905916 |
| #2 | 1.392116 | .0734303 | .1916591 |
| #3 | 1.384147 | .0738478 | .1914106 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2861.071 | 3739.715 | 56483.88 | 10333.42 | 3829.982 |
| Stddev    | 71.780   | 1.442    | 1439.05  | 103.13   | 7.961    |
| %RSD      | 2.508867 | .0385677 | 2.547716 | .9980100 | .2078627 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2790.567 | 3738.115 | 54947.34 | 10438.40 | 3832.577 |
| #2 | 2858.584 | 3740.112 | 56704.28 | 10232.25 | 3836.322 |
| #3 | 2934.063 | 3740.916 | 57800.01 | 10329.61 | 3821.048 |

Sample Name: J3155-03      Acquired: 6/4/2018 17:17:49      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATT2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3020709 | -.002626 | 1.652176 | .0242669 | .0247431 | 129.6849 | 2.281786 |
| Stddev | .0046476 | .002305  | .014812  | .0081706 | .0024673 | .6823    | .004389  |
| %RSD   | 1.538580 | 87.78331 | .8965399 | 33.66951 | 9.971735 | .5261323 | .1923587 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3051707 | -.001791 | 1.665563 | .0317269 | .0219700 | 130.3981 | 2.285195 |
| #2 | .3043150 | -.005232 | 1.636263 | .0155350 | .0266954 | 129.0384 | 2.283329 |
| #3 | .2967271 | -.000855 | 1.654703 | .0255390 | .0255638 | 129.6180 | 2.276834 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0246928 | .0167503 | 141.0359 | .7187905 | .2980421 | .4123620 | 542.3974 |
| Stddev | .0002858 | .0004184 | .2321    | .0042332 | .0023979 | .0006927 | 5.2978   |
| %RSD   | 1.157526 | 2.497653 | .1645875 | .5889284 | .8045326 | .1679931 | .9767370 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0246671 | .0162930 | 141.3039 | .7161499 | .3008109 | .4119661 | 547.6203 |
| #2 | .0249906 | .0171138 | 140.9035 | .7236731 | .2966640 | .4119579 | 537.0278 |
| #3 | .0244206 | .0168440 | 140.9002 | .7165485 | .2966515 | .4131619 | 542.5440 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 24.81893 | 21.75916 | .2137816 | .0027680 | 2.743071 | .6155403 | 4.349803 |
| Stddev | .13935   | .12949   | .0010325 | .0005016 | .006205  | .0074998 | .052108  |
| %RSD   | .5614837 | .5951251 | .4829756 | 18.12050 | .2262147 | 1.218413 | 1.197929 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 24.97284 | 21.88680 | .2148372 | .0030819 | 2.739736 | .6172661 | 4.408062 |
| #2 | 24.78263 | 21.62789 | .2127738 | .0030326 | 2.739247 | .6073281 | 4.307651 |
| #3 | 24.70132 | 21.76279 | .2137337 | .0021895 | 2.750231 | .6220268 | 4.333695 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 9.500845 | 1.440564 | .7343386 | .0174436 | 8.433684 | 5.368802 | .0320669 |
| Stddev | .072964  | .002595  | .0230055 | .0001879 | .018703  | .012522  | .0012105 |
| %RSD   | .7679756 | .1801498 | 3.132814 | 1.076985 | .2217695 | .2332333 | 3.775084 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 9.559356 | 1.443545 | .7534891 | .0173532 | 8.453880 | 5.366510 | .0325344 |
| #2 | 9.524088 | 1.438814 | .7088198 | .0176596 | 8.430214 | 5.382311 | .0329741 |
| #3 | 9.419091 | 1.439331 | .7407068 | .0173181 | 8.416959 | 5.357584 | .0306924 |

Sample Name: J3155-03      Acquired: 6/4/2018 17:17:49      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MDATT2      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.436040 | .0978301 | .3939598 |
| Stddev | .000677  | .0005718 | .0018212 |
| %RSD   | .0471148 | .5844922 | .4622824 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.436813 | .0981552 | .3959534 |
| #2 | 1.435558 | .0971698 | .3935426 |
| #3 | 1.435749 | .0981652 | .3923834 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2844.303 | 3672.077 | 56279.35 | 10109.29 | 3783.836 |
| Stddev    | 17.267   | 14.636   | 139.85   | 33.32    | 13.455   |
| %RSD      | .6070648 | .3985670 | .2484961 | .3296302 | .3556023 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2824.676 | 3655.417 | 56233.78 | 10076.44 | 3768.420 |
| #2 | 2857.154 | 3677.950 | 56167.97 | 10108.38 | 3793.220 |
| #3 | 2851.080 | 3682.864 | 56436.31 | 10143.06 | 3789.868 |

Sample Name: J3155-04      Acquired: 6/4/2018 17:21:44      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATT3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2327934 | -.012934 | .8168686 | .0236300 | .0225487 | 163.1664 |
| Stddev | .0028971 | .008912  | .0058388 | .0036112 | .0026303 | .3594    |
| %RSD   | 1.244473 | 68.90765 | .7147789 | 15.28205 | 11.66512 | .2202886 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2319442 | -.014000 | .8157199 | .0221546 | .0218783 | 162.7823 |
| #2 | .2360201 | -.003537 | .8116895 | .0277452 | .0254493 | 163.4946 |
| #3 | .2304158 | -.021266 | .8231964 | .0209901 | .0203184 | 163.2222 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.780639 | .0332134 | .0108190 | 14.87009 | 1.039829 | .4033755 |
| Stddev | .003166  | .0002114 | .0003574 | .37256   | .002067  | .0012050 |
| %RSD   | .1778045 | .6366008 | 3.303499 | 2.505399 | .1987695 | .2987196 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.777182 | .0332865 | .0105835 | 14.46814 | 1.042081 | .4031594 |
| #2 | 1.781339 | .0333785 | .0106433 | 15.20381 | 1.039385 | .4022932 |
| #3 | 1.783397 | .0329750 | .0112303 | 14.93834 | 1.038019 | .4046739 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .1803649 | 762.0363 | F 36.00143 | 4.887874 | .2288037 | .0005845 |
| Stddev | .0024696 | 2.0613   | .28731     | .036401  | .0010044 | .0002691 |
| %RSD   | 1.369239 | .2705036 | .7980480   | .7447254 | .4389837 | 46.03936 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1826064 | 761.0562 | 36.33295 | 4.887045 | .2276445 | .0007941 |
| #2 | .1807709 | 764.4048 | 35.82500 | 4.924683 | .2293513 | .0006782 |
| #3 | .1777175 | 760.6479 | 35.84633 | 4.851895 | .2294152 | .0002810 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.219260 | .9003987 | .7086860 | 6.108222 | .6600505 | 1.007829 |
| Stddev | .170177  | .0029159 | .0066684 | .034719  | .0047816 | .007938  |
| %RSD   | 5.286219 | .3238495 | .9409552 | .5683984 | .7244276 | .7876656 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.294745 | .8970352 | .7026437 | 6.112352 | .6616120 | .999538  |
| #2 | 3.024397 | .9022146 | .7158406 | 6.071623 | .6546834 | 1.008591 |
| #3 | 3.338637 | .9019463 | .7075737 | 6.140692 | .6638561 | 1.015360 |

Sample Name: J3155-04      Acquired: 6/4/2018 17:21:44      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATT3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0128293 | 1.315551 | 2.681958 | .0099711 | 1.106940 | .0526890 |
| Stddev | .0002868 | .006892  | .010767  | .0022858 | .009310  | .0003358 |
| %RSD   | 2.235104 | .5238499 | .4014642 | 22.92472 | .8410205 | .6372577 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0129211 | 1.322824 | 2.677608 | .0122773 | 1.114184 | .0525079 |
| #2 | .0125079 | 1.309118 | 2.694220 | .0099298 | 1.096440 | .0530764 |
| #3 | .0130590 | 1.314710 | 2.674047 | .0077062 | 1.110198 | .0524826 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1117412 |
| Stddev | .0001570 |
| %RSD   | .1405415 |

|    |          |
|----|----------|
| #1 | .1118147 |
| #2 | .1118480 |
| #3 | .1115609 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 3122.346 | 4085.390 | 61813.74 | 11112.93 | 3834.945 |
| Stddev    | 5.348    | 13.700   | 68.29    | 43.03    | 8.049    |
| %RSD      | .1712971 | .3353458 | .1104833 | .3872458 | .2098757 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 3121.066 | 4094.015 | 61735.35 | 11134.85 | 3834.962 |
| #2 | 3128.219 | 4092.563 | 61860.42 | 11063.35 | 3842.985 |
| #3 | 3117.754 | 4069.592 | 61845.44 | 11140.59 | 3826.888 |

Sample Name: J3155-05      Acquired: 6/4/2018 17:25:41      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATT4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2514397 | -.002951 | 1.022135 | .0225325 | .0149856 | 156.4985 |
| Stddev | .0057266 | .001076  | .001247  | .0035418 | .0017224 | .2593    |
| %RSD   | 2.277523 | 36.44818 | .1220132 | 15.71882 | 11.49405 | .1656885 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2531287 | -.003762 | 1.020729 | .0185605 | .0136674 | 156.3631 |
| #2 | .2561318 | -.003361 | 1.022569 | .0236743 | .0143549 | 156.7975 |
| #3 | .2450586 | -.001731 | 1.023107 | .0253625 | .0169345 | 156.3350 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.577245 | .0272586 | .0099884 | 25.14831 | .8354437 | .3706716 |
| Stddev | .003223  | .0001844 | .0000979 | .09550   | .0040988 | .0014513 |
| %RSD   | .2043457 | .6765054 | .9797660 | .3797415 | .4906073 | .3915298 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.574286 | .0271557 | .0099853 | 25.19920 | .8319873 | .3690454 |
| #2 | 1.580680 | .0274715 | .0100878 | 25.03815 | .8399719 | .3718351 |
| #3 | 1.576771 | .0271486 | .0098921 | 25.20760 | .8343721 | .3711345 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .2307245 | 583.6777 | F 32.18433 | 5.716203 | .2142922 | -.000046 |
| Stddev | .0033964 | 2.0369   | .10943     | .069469  | .0012176 | .000183  |
| %RSD   | 1.472075 | .3489733 | .3400123   | 1.215308 | .5682009 | 399.0553 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2323600 | 583.5721 | 32.08930 | 5.654547 | .2151947 | .000165  |
| #2 | .2268197 | 585.7653 | 32.30397 | 5.791471 | .2147746 | -.000146 |
| #3 | .2329938 | 581.6957 | 32.15973 | 5.702591 | .2129073 | -.000157 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.783863 | .7411136 | 1.321882 | 7.418501 | .7023264 | .7806099 |
| Stddev | .180120  | .0045093 | .007632  | .075611  | .0025216 | .0045672 |
| %RSD   | 6.470146 | .6084519 | .5773383 | 1.019221 | .3590297 | .5850792 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.889817 | .7459145 | 1.326848 | 7.350486 | .6999368 | .7844591 |
| #2 | 2.885881 | .7404589 | 1.325703 | 7.405101 | .7049619 | .7818072 |
| #3 | 2.575891 | .7369675 | 1.313094 | 7.499916 | .7020806 | .7755633 |

Sample Name: J3155-05      Acquired: 6/4/2018 17:25:41      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATT4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0178728 | 2.791297 | 3.445334 | .0149458 | 1.385204 | .0736177 |
| Stddev | .0002339 | .002907  | .009502  | .0020361 | .003373  | .0005025 |
| %RSD   | 1.308477 | .1041353 | .2757947 | 13.62348 | .2435051 | .6825673 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0180954 | 2.791292 | 3.434373 | .0134658 | 1.383577 | .0731341 |
| #2 | .0176291 | 2.794207 | 3.451231 | .0141038 | 1.389082 | .0735818 |
| #3 | .0178937 | 2.788393 | 3.450398 | .0172679 | 1.382952 | .0741372 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1705695 |
| Stddev | .0003435 |
| %RSD   | .2014115 |

|    |          |
|----|----------|
| #1 | .1707392 |
| #2 | .1707952 |
| #3 | .1701741 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2981.469 | 3919.040 | 59243.64 | 10555.72 | 3860.691 |
| Stddev    | 5.264    | 10.217   | 275.13   | 26.63    | 6.022    |
| %RSD      | .1765501 | .2607042 | .4644096 | .2523071 | .1559732 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2986.164 | 3910.422 | 59295.10 | 10583.70 | 3856.544 |
| #2 | 2975.778 | 3916.371 | 58946.41 | 10552.79 | 3857.930 |
| #3 | 2982.464 | 3930.327 | 59489.41 | 10530.68 | 3867.598 |

Sample Name: J3155-06      Acquired: 6/4/2018 17:29:38      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATT5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2594735 | -.007678 | 1.017441 | .0261259 | .0210115 | 174.3126 |
| Stddev | .0040613 | .004863  | .018282  | .0061154 | .0006387 | .0757    |
| %RSD   | 1.565200 | 63.33955 | 1.796863 | 23.40728 | 3.040023 | .0434469 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2567158 | -.006435 | 1.038067 | .0321010 | .0205402 | 174.3072 |
| #2 | .2641372 | -.003557 | 1.003236 | .0263975 | .0207558 | 174.3909 |
| #3 | .2575676 | -.013041 | 1.011019 | .0198793 | .0217385 | 174.2397 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.960394 | .0289572 | .0127370 | 24.10323 | .9993299 | .3921395 |
| Stddev | .001652  | .0002556 | .0007354 | .18198   | .0004225 | .0076870 |
| %RSD   | .0842720 | .8827946 | 5.773943 | .7550028 | .0422735 | 1.960278 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.960543 | .0291623 | .0135408 | 24.14189 | .9996388 | .4010098 |
| #2 | 1.961967 | .0290385 | .0120978 | 24.26276 | .9995025 | .3874218 |
| #3 | 1.958673 | .0286708 | .0125724 | 23.90502 | .9988485 | .3879871 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .2280668 | 688.7076 | F 33.05342 | 6.106269 | .2216652 | .0002824 |
| Stddev | .0010136 | 2.0739   | .16220     | .053044  | .0034042 | .0001656 |
| %RSD   | .4444366 | .3011328 | .4907279   | .8686757 | 1.535751 | 58.63004 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2269030 | 688.0805 | 33.24024 | 6.125342 | .2255838 | .0001004 |
| #2 | .2287567 | 691.0227 | 32.94849 | 6.046326 | .2194369 | .0004241 |
| #3 | .2285406 | 687.0197 | 32.97152 | 6.147139 | .2199750 | .0003228 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.268623 | .8426998 | 1.608522 | 7.921723 | .7793891 | .9293018 |
| Stddev | .206418  | .0160726 | .028885  | .033469  | .0134113 | .0042470 |
| %RSD   | 6.315136 | 1.907276 | 1.795773 | .4224973 | 1.720740 | .4570065 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.032042 | .8241627 | 1.588360 | 7.959255 | .7948248 | .9321903 |
| #2 | 3.361808 | .8527489 | 1.595592 | 7.894975 | .7705914 | .9312897 |
| #3 | 3.412019 | .8511879 | 1.641613 | 7.910941 | .7727510 | .9244255 |



Sample Name: J3155-06      Acquired: 6/4/2018 17:29:38      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATT5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0186024 | 3.792712 | 4.694088 | .0198858 | 1.588601 | .0759832 |
| Stddev | .0002871 | .083553  | .014151  | .0014747 | .002234  | .0004057 |
| %RSD   | 1.543480 | 2.202992 | .3014695 | 7.416088 | .1406205 | .5339924 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0187425 | 3.886705 | 4.701785 | .0186524 | 1.588969 | .0756171 |
| #2 | .0182721 | 3.726869 | 4.702723 | .0194857 | 1.586207 | .0759132 |
| #3 | .0187925 | 3.764563 | 4.677757 | .0215194 | 1.590629 | .0764194 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1637604 |
| Stddev | .0000763 |
| %RSD   | .0466071 |

|    |          |
|----|----------|
| #1 | .1638486 |
| #2 | .1637177 |
| #3 | .1637151 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2938.189 | 3822.395 | 58707.84 | 10431.04 | 3788.690 |
| Stddev    | 5.071    | 31.282   | 20.58    | 37.85    | 61.101   |
| %RSD      | .1726053 | .8183885 | .0350497 | .3628486 | 1.612717 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2932.617 | 3786.344 | 58687.49 | 10391.61 | 3718.451 |
| #2 | 2942.536 | 3838.463 | 58707.40 | 10434.44 | 3829.570 |
| #3 | 2939.412 | 3842.377 | 58728.64 | 10467.08 | 3818.049 |

Sample Name: J3155-07      Acquired: 6/4/2018 17:33:35      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATT6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1972291 | -.022283 | 20.85330 | .0240054 | .1070903 | 163.9504 |
| Stddev | .0040562 | .003961  | .03571   | .0083821 | .0021785 | .1465    |
| %RSD   | 2.056588 | 17.77509 | .1712525 | 34.91774 | 2.034261 | .0893511 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2016935 | -.026264 | 20.84912 | .0246273 | .1070883 | 163.9454 |
| #2 | .1962238 | -.018343 | 20.81986 | .0320593 | .1049128 | 163.8065 |
| #3 | .1937702 | -.022241 | 20.89092 | .0153296 | .1092697 | 164.0993 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.849139 | .0252441 | .0431753 | 136.1419 | .8150833 | .2935646 |
| Stddev | .001450  | .0003088 | .0001928 | .4767    | .0388945 | .0007826 |
| %RSD   | .0784300 | 1.223399 | .4465935 | .3501435 | 4.771843 | .2665997 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.850212 | .0255935 | .0430944 | 135.7857 | .8598523 | .2943816 |
| #2 | 1.849716 | .0251309 | .0430362 | 136.6834 | .7957953 | .2928216 |
| #3 | 1.847489 | .0250078 | .0433954 | 135.9566 | .7896025 | .2934904 |

|        |          |            |          |          |          |          |
|--------|----------|------------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598     | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm        | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.084136 | F 988.2857 | 18.73255 | 14.89306 | .3325125 | -.001540 |
| Stddev | .004613  | .4825      | .02448   | .03356   | .0005928 | .004172  |
| %RSD   | .4255171 | .0488184   | .1306886 | .2253410 | .1782744 | 270.8982 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.078816 | 988.6232 | 18.74088 | 14.90880 | .3319639 | -.006346 |
| #2 | 1.087030 | 988.5008 | 18.75177 | 14.91586 | .3331413 | .000566  |
| #3 | 1.086562 | 987.7331 | 18.70499 | 14.85452 | .3324322 | .001159  |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.451098 | .5767551 | 9.504059 | 9.657829 | 3.405081 | 1.331180 |
| Stddev | .119599  | .0021938 | .478072  | .062713  | .011010  | .008735  |
| %RSD   | 2.194026 | .3803691 | 5.030191 | .6493512 | .3233410 | .6561754 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 5.588155 | .5755394 | 10.05096 | 9.594982 | 3.411856 | 1.322309 |
| #2 | 5.367899 | .5754383 | 9.29560  | 9.720408 | 3.392377 | 1.339772 |
| #3 | 5.397239 | .5792876 | 9.16561  | 9.658097 | 3.411011 | 1.331459 |

Sample Name: J3155-07      Acquired: 6/4/2018 17:33:35      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATT6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0372026 | 7.714736 | 7.649721 | .5090770 | 1.571188 | .0863185 |
| Stddev | .0006249 | .030065  | .030295  | .0009654 | .005480  | .0006431 |
| %RSD   | 1.679714 | .3897141 | .3960212 | .1896357 | .3487815 | .7450495 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0369658 | 7.734006 | 7.676773 | .5095650 | 1.565352 | .0864503 |
| #2 | .0367307 | 7.680092 | 7.616988 | .5097009 | 1.576223 | .0856197 |
| #3 | .0379113 | 7.730109 | 7.655401 | .5079650 | 1.571989 | .0868855 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .3647999 |
| Stddev | .0004175 |
| %RSD   | .1144578 |

|    |          |
|----|----------|
| #1 | .3650584 |
| #2 | .3650231 |
| #3 | .3643182 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2549.738 | 3404.466 | 51070.84 | 9439.482 | 3718.677 |
| Stddev    | 93.383   | 13.116   | 1840.23  | 30.428   | 9.688    |
| %RSD      | 3.662471 | .3852699 | 3.603289 | .3223433 | .2605279 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2443.050 | 3398.990 | 48956.56 | 9473.873 | 3712.446 |
| #2 | 2589.528 | 3419.432 | 51944.13 | 9428.511 | 3729.839 |
| #3 | 2616.637 | 3394.974 | 52311.83 | 9416.061 | 3713.747 |

Sample Name: J3155-08      Acquired: 6/4/2018 17:37:30      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATT7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2947348 | .0072188 | 1.222444 | .0219320 | .0201087 | 151.3105 |
| Stddev | .0034355 | .0014228 | .011893  | .0039478 | .0026860 | 1.3473   |
| %RSD   | 1.165609 | 19.70930 | .9728680 | 18.00026 | 13.35751 | .8904332 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2951325 | .0082386 | 1.213044 | .0254411 | .0175868 | 152.8612 |
| #2 | .2979541 | .0078243 | 1.218473 | .0226972 | .0229332 | 150.4268 |
| #3 | .2911178 | .0055934 | 1.235814 | .0176576 | .0198062 | 150.6436 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.876649 | .0322102 | .0115664 | 29.18281 | 1.210099 | .5379396 |
| Stddev | .027383  | .0004598 | .0004523 | .28877   | .026773  | .0028441 |
| %RSD   | .9518906 | 1.427407 | 3.910075 | .9895127 | 2.212483 | .5287041 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.907883 | .0327259 | .0110496 | 29.51020 | 1.240929 | .5354936 |
| #2 | 2.865288 | .0320616 | .0118899 | 29.07387 | 1.196660 | .5372649 |
| #3 | 2.856776 | .0318431 | .0117596 | 28.96436 | 1.192706 | .5410605 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .2483945 | 673.8497 | F 49.41076 | 5.284354 | .2439902 | -.001660 |
| Stddev | .0048910 | 6.2849   | .64721     | .040882  | .0015419 | .000902  |
| %RSD   | 1.969039 | .9326794 | 1.309847   | .7736426 | .6319387 | 54.31676 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2522548 | 681.1019 | 50.12872 | 5.249688 | .2422726 | -.002654 |
| #2 | .2428943 | 670.4555 | 49.23145 | 5.329437 | .2444432 | -.000893 |
| #3 | .2500345 | 669.9917 | 48.87212 | 5.273938 | .2452548 | -.001434 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.103723 | .8394548 | 1.136203 | 6.559601 | 1.456529 | .8904996 |
| Stddev | .073706  | .0137540 | .039174  | .097698  | .013699  | .0086551 |
| %RSD   | 2.374747 | 1.638439 | 3.447803 | 1.489393 | .9405355 | .9719411 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.102057 | .8547531 | 1.181314 | 6.671750 | 1.441976 | .9004588 |
| #2 | 3.178247 | .8354991 | 1.110760 | 6.514109 | 1.458435 | .8862418 |
| #3 | 3.030864 | .8281121 | 1.116534 | 6.492945 | 1.469175 | .8847980 |

Sample Name: J3155-08      Acquired: 6/4/2018 17:37:30      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATT7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0279846 | 1.770647 | 3.083448 | .0179310 | 1.446713 | .0898147 |
| Stddev | .0002081 | .014978  | .034691  | .0023256 | .014655  | .0010021 |
| %RSD   | .7437737 | .8459060 | 1.125067 | 12.96945 | 1.013019 | 1.115790 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0282200 | 1.754991 | 3.123423 | .0175339 | 1.463612 | .0901986 |
| #2 | .0278248 | 1.772111 | 3.061239 | .0158296 | 1.437482 | .0886774 |
| #3 | .0279090 | 1.784839 | 3.065682 | .0204296 | 1.439046 | .0905682 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .3273980 |
| Stddev | .0031733 |
| %RSD   | .9692545 |

|    |          |
|----|----------|
| #1 | .3310612 |
| #2 | .3254937 |
| #3 | .3256390 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 3016.576 | 3981.049 | 59991.55 | 10816.99 | 3843.322 |
| Stddev    | 62.142   | 2.329    | 1150.65  | 110.31   | 13.667   |
| %RSD      | 2.060024 | .0584976 | 1.918027 | 1.019743 | .3556125 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2946.311 | 3982.959 | 58667.58 | 10694.41 | 3854.262 |
| #2 | 3064.310 | 3981.732 | 60556.87 | 10908.23 | 3847.702 |
| #3 | 3039.106 | 3978.455 | 60750.19 | 10848.33 | 3828.001 |

Sample Name: J3155-09      Acquired: 6/4/2018 17:41:26      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATT8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2642257 | -.016781 | 1.815007 | .0217481 | .0279740 | 157.4597 | 2.267073 |
| Stddev | .0015085 | .002002  | .008415  | .0021299 | .0014858 | .2699    | .002323  |
| %RSD   | .5709263 | 11.93255 | .4636429 | 9.793753 | 5.311458 | .1714091 | .1024699 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2643944 | -.017565 | 1.822166 | .0194700 | .0264201 | 157.6941 | 2.264431 |
| #2 | .2656427 | -.014505 | 1.805738 | .0236898 | .0293808 | 157.5204 | 2.268796 |
| #3 | .2626399 | -.018273 | 1.817118 | .0220844 | .0281211 | 157.1647 | 2.267992 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0292939 | .0140792 | 68.48882 | 1.116217 | .2645866 | .5072437 | 674.5509 |
| Stddev | .0003120 | .0004660 | .09589   | .051619  | .0021609 | .0041195 | 1.8087   |
| %RSD   | 1.064989 | 3.310091 | .1400028 | 4.624478 | .8167179 | .8121393 | .2681276 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0289951 | .0146131 | 68.40430 | 1.088939 | .2666743 | .5065648 | 676.6353 |
| #2 | .0292690 | .0138704 | 68.46913 | 1.083960 | .2623592 | .5116605 | 673.6211 |
| #3 | .0296175 | .0137541 | 68.59302 | 1.175752 | .2647264 | .5035059 | 673.3963 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 16.30966 | 10.07550 | .2384136 | .0008191 | 3.387525 | .7883321 | 2.530838 |
| Stddev | .08927   | .03775   | .0024138 | .0026539 | .118956  | .0064203 | .097001  |
| %RSD   | .5473716 | .3746292 | 1.012454 | 324.0151 | 3.511599 | .8144160 | 3.832751 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 16.30186 | 10.11738 | .2407464 | .0018564 | 3.513530 | .7957391 | 2.505920 |
| #2 | 16.40259 | 10.06499 | .2359262 | .0027976 | 3.371880 | .7848973 | 2.448727 |
| #3 | 16.22455 | 10.04412 | .2385682 | -.002197 | 3.277165 | .7843598 | 2.637867 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 8.887315 | 1.506149 | .9374522 | .0205000 | 6.506000 | 3.928957 | .0317199 |
| Stddev | .022995  | .009471  | .0109869 | .0004106 | .045819  | .023354  | .0017827 |
| %RSD   | .2587411 | .6288326 | 1.171996 | 2.002884 | .7042593 | .5944045 | 5.620101 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 8.910685 | 1.516563 | .9494895 | .0201322 | 6.558275 | 3.908047 | .0335885 |
| #2 | 8.864714 | 1.503835 | .9349036 | .0209430 | 6.472800 | 3.924664 | .0315336 |
| #3 | 8.886545 | 1.498049 | .9279637 | .0204249 | 6.486924 | 3.954159 | .0300377 |

Sample Name: J3155-09      Acquired: 6/4/2018 17:41:26      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATT8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.706213 | .1038607 | .6722661 |
| Stddev | .008183  | .0003084 | .0013561 |
| %RSD   | .4795992 | .2969459 | .2017174 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.710951 | .1042145 | .6721282 |
| #2 | 1.710924 | .1036488 | .6736859 |
| #3 | 1.696764 | .1037188 | .6709843 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2803.298 | 3701.191 | 55603.31 | 10106.83 | 3808.118 |
| Stddev    | 85.127   | 19.146   | 1694.06  | 64.71    | 24.837   |
| %RSD      | 3.036683 | .5172922 | 3.046690 | .6402531 | .6522242 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2852.866 | 3679.166 | 56337.97 | 10093.04 | 3783.153 |
| #2 | 2852.026 | 3713.853 | 56806.02 | 10050.13 | 3832.825 |
| #3 | 2705.003 | 3710.556 | 53665.93 | 10177.32 | 3808.376 |

Sample Name: J3155-10      Acquired: 6/4/2018 17:45:23      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATT9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1690639 | -.012704 | 1.193914 | .0238495 | .0177027 | 199.3477 | 2.307439 |
| Stddev | .0032316 | .002601  | .004521  | .0031810 | .0032959 | .1769    | .004621  |
| %RSD   | 1.911455 | 20.47497 | .3786941 | 13.33784 | 18.61816 | .0887590 | .2002630 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1697689 | -.013749 | 1.192421 | .0212212 | .0139442 | 199.2890 | 2.309259 |
| #2 | .1718849 | -.009743 | 1.190329 | .0273858 | .0200999 | 199.2075 | 2.310872 |
| #3 | .1655381 | -.014621 | 1.198993 | .0229414 | .0190641 | 199.5465 | 2.302185 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0390100 | .0166594 | 462.9343 | .5326521 | .1875668 | .3744653 | 534.6786 |
| Stddev | .0003953 | .0001204 | .8102    | .0012721 | .0013092 | .0023776 | 2.4355   |
| %RSD   | 1.013247 | .7226383 | .1750071 | .2388219 | .6980076 | .6349310 | .4555136 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0388006 | .0166654 | 462.9944 | .5312399 | .1864958 | .3717201 | 535.8706 |
| #2 | .0387635 | .0167767 | 463.7128 | .5330083 | .1871784 | .3758098 | 531.8766 |
| #3 | .0394659 | .0165361 | 462.0958 | .5337081 | .1890263 | .3758660 | 536.2885 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 22.84816 | 95.73265 | .1818603 | .0018125 | 6.149161 | .4656562 | 5.658679 |
| Stddev | .13731   | .31255   | .0005824 | .0004665 | .171864  | .0054853 | .049207  |
| %RSD   | .6009567 | .3264789 | .3202720 | 25.73814 | 2.794912 | 1.177969 | .8695894 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 22.72551 | 95.63283 | .1812006 | .0014054 | 6.346474 | .4692477 | 5.715256 |
| #2 | 22.99650 | 95.48220 | .1823036 | .0017105 | 6.032120 | .4593423 | 5.625848 |
| #3 | 22.82248 | 96.08291 | .1820765 | .0023215 | 6.068891 | .4683787 | 5.634934 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 17.73572 | 1.358434 | .7852602 | .0165085 | 14.09808 | 5.977562 | .0396418 |
| Stddev | .09058   | .008703  | .0085468 | .0007268 | .06780   | .012745  | .0013335 |
| %RSD   | .5107440 | .6406608 | 1.088398 | 4.402439 | .4809377 | .2132102 | 3.363890 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 17.63206 | 1.349452 | .7935958 | .0163232 | 14.03733 | 5.976977 | .0410101 |
| #2 | 17.79965 | 1.359022 | .7765169 | .0158922 | 14.08568 | 5.965120 | .0395692 |
| #3 | 17.77546 | 1.366829 | .7856680 | .0173099 | 14.17123 | 5.990589 | .0383461 |



Sample Name: J3155-10      Acquired: 6/4/2018 17:45:23      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MDATT9      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 3.727175 | .2377513 | .9541006 |
| Stddev | .009876  | .0011681 | .0009651 |
| %RSD   | .2649729 | .4913161 | .1011499 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 3.727797 | .2382732 | .9532078 |
| #2 | 3.736725 | .2385674 | .9551246 |
| #3 | 3.717003 | .2364132 | .9539694 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2754.272 | 3602.257 | 54970.00 | 10043.90 | 3514.566 |
| Stddev    | 27.964   | 5.527    | 226.13   | 26.22    | 5.393    |
| %RSD      | 1.015302 | .1534441 | .4113615 | .2610458 | .1534424 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2722.966 | 3596.634 | 54997.11 | 10032.35 | 3516.001 |
| #2 | 2776.777 | 3602.452 | 54731.54 | 10073.91 | 3519.097 |
| #3 | 2763.074 | 3607.684 | 55181.35 | 10025.44 | 3508.601 |

Sample Name: J3155-11      Acquired: 6/4/2018 17:49:20      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATW0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1903017 | .0046793 | .9562560 | .0220033 | .0169696 | 154.9059 |
| Stddev | .0014582 | .0030365 | .0011769 | .0057093 | .0018862 | 2.2810   |
| %RSD   | .7662575 | 64.89184 | .1230707 | 25.94742 | 11.11486 | 1.472512 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1886456 | .0014090 | .9563759 | .0252565 | .0148544 | 152.5029 |
| #2 | .1913930 | .0074094 | .9550238 | .0154110 | .0175777 | 157.0413 |
| #3 | .1908666 | .0052195 | .9573684 | .0253424 | .0184767 | 155.1736 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.862852 | .0265048 | .0127369 | 135.2298 | .6329198 | .2418768 |
| Stddev | .028237  | .0002346 | .0003961 | 2.0612   | .0093301 | .0004605 |
| %RSD   | 1.515807 | .8850194 | 3.109898 | 1.524252 | 1.474142 | .1903947 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.836584 | .0264213 | .0129018 | 133.3302 | .6314166 | .2420010 |
| #2 | 1.892714 | .0267697 | .0122849 | 137.4215 | .6244325 | .2422625 |
| #3 | 1.859256 | .0263234 | .0130238 | 134.9377 | .6429103 | .2413669 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .2078431 | 580.6157 | F 32.85473 | 22.29556 | .1548791 | .0027850 |
| Stddev | .0036764 | 9.1788   | .67758     | .41041   | .0010757 | .0011430 |
| %RSD   | 1.768821 | 1.580873 | 2.062348   | 1.840785 | .6945176 | 41.04133 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2038528 | 570.2958 | 32.30816 | 21.88279 | .1539899 | .0020641 |
| #2 | .2085838 | 587.8672 | 33.61285 | 22.70358 | .1545727 | .0041030 |
| #3 | .2110928 | 583.6842 | 32.64319 | 22.30032 | .1560748 | .0021881 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.478800 | .6391214 | 2.457239 | 8.497595 | 1.029898 | .7766239 |
| Stddev | .080415  | .0124256 | .048521  | .137870  | .002288  | .0217603 |
| %RSD   | 2.311577 | 1.944161 | 1.974594 | 1.622464 | .2222019 | 2.801907 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 3.429850 | .6279349 | 2.426234 | 8.356235 | 1.032475 | .7514978 |
| #2 | 3.434942 | .6524955 | 2.432329 | 8.631688 | 1.028101 | .7893230 |
| #3 | 3.571609 | .6369337 | 2.513155 | 8.504864 | 1.029121 | .7890509 |

Sample Name: J3155-11      Acquired: 6/4/2018 17:49:20      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATW0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0213016 | 3.897936 | 13.09296 | .0207989 | 1.439206 | .1586412 |
| Stddev | .0001030 | .023131  | .14405   | .0009703 | .023346  | .0023486 |
| %RSD   | .4834795 | .5934246 | 1.100194 | 4.665255 | 1.622173 | 1.480466 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0214198 | 3.923939 | 12.94593 | .0206113 | 1.415798 | .1560993 |
| #2 | .0212541 | 3.890219 | 13.23383 | .0199361 | 1.462490 | .1607308 |
| #3 | .0212310 | 3.879649 | 13.09913 | .0218493 | 1.439330 | .1590934 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .4794504 |
| Stddev | .0072221 |
| %RSD   | 1.506327 |

|    |          |
|----|----------|
| #1 | .4726715 |
| #2 | .4870462 |
| #3 | .4786335 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2679.237 | 3486.301 | 53104.25 | 9534.686 | 3754.013 |
| Stddev    | 24.847   | 6.423    | 458.67   | 111.868  | 4.347    |
| %RSD      | .9273845 | .1842426 | .8637111 | 1.173276 | .1157843 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2695.261 | 3487.385 | 53107.53 | 9631.145 | 3755.269 |
| #2 | 2691.834 | 3479.404 | 53561.26 | 9412.051 | 3749.176 |
| #3 | 2650.614 | 3492.113 | 52643.94 | 9560.863 | 3757.593 |

Sample Name: CCV005      Acquired: 6/4/2018 17:53:18      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV005      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 5.135171 | 5.090852 | 25.23133 | 5.191826 | 5.070429 | F 192.1349 |
| Stddev | .004262  | .020383  | .07884   | .003863  | .012126  | .6734      |
| %RSD   | .0830056 | .4003894 | .3124811 | .0743978 | .2391433 | .3504988   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 5.135366 | 5.067440 | 25.21326 | 5.195820 | 5.083177 | 192.2266 |
| #2 | 5.139332 | 5.104651 | 25.16310 | 5.188110 | 5.069069 | 192.7577 |
| #3 | 5.130813 | 5.100466 | 25.31764 | 5.191547 | 5.059040 | 191.4203 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | 9.999049 | .5197664 | 2.561017 | F 273.1652 | 15.33713 | 2.523188 |
| Stddev | .025666  | .0019299 | .007432  | .8514      | .03562   | .007280  |
| %RSD   | .2566804 | .3712941 | .2901891 | .3116804   | .2322514 | .2885255 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 10.01710 | .5183805 | 2.556512 | 274.1381 | 15.31625 | 2.519323 |
| #2 | 10.01038 | .5219706 | 2.556944 | 272.8009 | 15.31688 | 2.518655 |
| #3 | 9.96967  | .5189480 | 2.569595 | 272.5566 | 15.37826 | 2.531585 |

|        |          |            |          |            |          |          |
|--------|----------|------------|----------|------------|----------|----------|
| Elem   | Cu3247   | Fe2598     | Mn2576   | Mg2790     | Ni2316   | Ag3280   |
| Units  | ppm      | ppm        | ppm      | ppm        | ppm      | ppm      |
| Avg    | 14.80320 | F 197.6882 | 14.67491 | F 282.0335 | 2.528098 | 1.164005 |
| Stddev | .01619   | 1.1279     | .04365   | 2.1710     | .007363  | .004263  |
| %RSD   | .1093622 | .5705486   | .2974741 | .7697503   | .2912451 | .3662050 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 14.82033 | 197.2430 | 14.68397 | 281.2639 | 2.525338 | 1.165247 |
| #2 | 14.80112 | 198.9708 | 14.62745 | 284.4845 | 2.522513 | 1.167509 |
| #3 | 14.78816 | 196.8509 | 14.71333 | 280.3523 | 2.536442 | 1.159260 |

|        |            |          |          |          |            |          |
|--------|------------|----------|----------|----------|------------|----------|
| Elem   | Na8183     | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496   |
| Units  | ppm        | ppm      | ppm      | ppm      | ppm        | ppm      |
| Avg    | F 189.7778 | 2.559422 | 14.67304 | 153.4505 | F 7.004476 | 5.167065 |
| Stddev | .7874      | .009378  | .05941   | .2036    | .018187    | .014445  |
| %RSD   | .4149305   | .3663984 | .4048627 | .1327051 | .2596493   | .2795666 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 189.4431 | 2.565816 | 14.65395 | 153.3003 | 6.983985 | 5.165740 |
| #2 | 190.6773 | 2.548657 | 14.73965 | 153.6823 | 7.018704 | 5.182127 |
| #3 | 189.2131 | 2.563794 | 14.62553 | 153.3690 | 7.010738 | 5.153328 |

Sample Name: CCV005      Acquired: 6/4/2018 17:53:18      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV005      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.106809 | 5.338976 | 5.179867 | 5.173553 | 5.055817 | 5.038702 |
| Stddev | .000755  | .014814  | .015349  | .008415  | .007448  | .012765  |
| %RSD   | .0147832 | .2774605 | .2963291 | .1626594 | .1473234 | .2533373 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 5.106336 | 5.356043 | 5.182372 | 5.170875 | 5.047514 | 5.041232 |
| #2 | 5.107679 | 5.329454 | 5.193809 | 5.166803 | 5.061911 | 5.050013 |
| #3 | 5.106411 | 5.331430 | 5.163419 | 5.182982 | 5.058025 | 5.024862 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 5.113162 |
| Stddev | .006774  |
| %RSD   | .1324781 |

|    |          |
|----|----------|
| #1 | 5.111212 |
| #2 | 5.120697 |
| #3 | 5.107578 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2226.863 | 2841.559 | 44578.86 | 8244.885 | 3411.788 |
| Stddev    | 3.190    | 7.059    | 79.07    | 35.793   | .524     |
| %RSD      | .1432404 | .2484208 | .1773743 | .4341184 | .0153523 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2227.137 | 2835.107 | 44558.07 | 8239.024 | 3411.224 |
| #2 | 2223.545 | 2840.473 | 44666.25 | 8212.385 | 3412.258 |
| #3 | 2229.907 | 2849.099 | 44512.26 | 8283.247 | 3411.882 |

Sample Name: CCB005      Acquired: 6/4/2018 17:57:08      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB005      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0006607 | -.000232 | -.001067 | -.000074 | -.000996 | .0041167 | .0007727 |
| Stddev | .0029249 | .002174  | .002573  | .003715  | .001535  | .0030835 | .0001386 |
| %RSD   | 442.6724 | 935.8777 | 241.0775 | 4989.014 | 154.1619 | 74.90260 | 17.94113 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0037263 | -.002586 | -.003026 | .000417  | -.001356 | .0067897 | .0008286 |
| #2 | .0003556 | .001701  | -.002023 | -.004011 | -.002318 | .0007432 | .0006149 |
| #3 | -.002100 | .000189  | .001847  | .003370  | .000687  | .0048172 | .0008747 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000802 | .0000378 | -.010864 | .0003521 | .0001360 | -.000928 | -.008313 |
| Stddev | .0000249 | .0000491 | .012948  | .0001796 | .0001253 | .000851  | .009907  |
| %RSD   | 31.08260 | 129.7321 | 119.1865 | 51.02634 | 92.12024 | 91.68886 | 119.1702 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000526 | .0000916 | -.023837 | .0004348 | .0002032 | -.001762 | -.001405 |
| #2 | .0000870 | .0000266 | .002060  | .0004754 | -.000009 | -.000963 | -.019664 |
| #3 | .0001010 | -.000005 | -.010815 | .0001459 | .000213  | -.000060 | -.003871 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000069 | .0528611 | .0002360 | .0001098 | .0338466 | .0000452 | .0017819 |
| Stddev | .000345  | .0127696 | .0003581 | .0001572 | .1015455 | .0022774 | .0017377 |
| %RSD   | 497.2234 | 24.15696 | 151.7114 | 143.2642 | 300.0170 | 5037.659 | 97.51934 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .000176  | .0581832 | .0004875 | .0002365 | -.029532 | .0026704 | -.000208 |
| #2 | -.000464 | .0621088 | .0003946 | .0001590 | .150969  | -.001133 | .002556  |
| #3 | .000080  | .0382912 | -.000174 | -.000066 | -.019898 | -.001402 | .002998  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -1.90541 | -.001153 | .0007132 | .0001859 | -.015120 | -.001623 | -.000393 |
| Stddev | .01218   | .000219  | .0002301 | .0000942 | .000420  | .000683  | .001273  |
| %RSD   | .6390864 | 19.00321 | 32.25635 | 50.69417 | 2.776671 | 42.09635 | 323.8832 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -1.89501 | -.001141 | .0009761 | .0001121 | -.015308 | -.000834 | .000889  |
| #2 | -1.91880 | -.000940 | .0005488 | .0001536 | -.014639 | -.001999 | -.001656 |
| #3 | -1.90240 | -.001377 | .0006148 | .0002920 | -.015412 | -.002035 | -.000412 |

Sample Name: CCB005      Acquired: 6/4/2018 17:57:08      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: CCB005      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000026 | -.002807 | .0000389 |
| Stddev | .000600  | .000399  | .0000946 |
| %RSD   | 2268.444 | 14.22215 | 243.3733 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.000371 | -.003268 | .0001261 |
| #2 | .000667  | -.002559 | .0000523 |
| #3 | -.000376 | -.002595 | -.000062 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2665.764 | 3417.463 | 51130.94 | 8762.958 | 4486.234 |
| Stddev    | 4.650    | 7.059    | 197.10   | 44.444   | 9.933    |
| %RSD      | .1744378 | .2065615 | .3854808 | .5071779 | .2214139 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2671.049 | 3425.162 | 50933.95 | 8716.675 | 4496.165 |
| #2 | 2663.946 | 3411.295 | 51130.74 | 8766.900 | 4486.239 |
| #3 | 2662.298 | 3415.932 | 51328.15 | 8805.300 | 4476.298 |

Sample Name: J3155-12      Acquired: 6/4/2018 18:01:18      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATW4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2164597 | -.012316 | 1.428850 | .0211730 | .0213450 | 187.5451 | 2.160291 |
| Stddev | .0038070 | .003646  | .006894  | .0028314 | .0008587 | .4532    | .007453  |
| %RSD   | 1.758777 | 29.59989 | .4824768 | 13.37251 | 4.023076 | .2416343 | .3450137 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2129969 | -.016510 | 1.424587 | .0244315 | .0222370 | 188.0666 | 2.168564 |
| #2 | .2205364 | -.010539 | 1.425160 | .0197749 | .0212740 | 187.3215 | 2.154101 |
| #3 | .2158458 | -.009900 | 1.436803 | .0193126 | .0205239 | 187.2472 | 2.158206 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0329843 | .0156360 | 238.4510 | .5397196 | .2725975 | .3103195 | 643.2867 |
| Stddev | .0000200 | .0002740 | .4948    | .0005419 | .0010872 | .0043160 | 2.5413   |
| %RSD   | .0605976 | 1.752253 | .2074937 | .1004056 | .3988437 | 1.390835 | .3950455 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0329669 | .0154568 | 239.0167 | .5397463 | .2718159 | .3152763 | 645.2932 |
| #2 | .0330061 | .0154998 | 238.0989 | .5402477 | .2721376 | .3073935 | 644.1378 |
| #3 | .0329799 | .0159514 | 238.2374 | .5391649 | .2738392 | .3082885 | 640.4292 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 27.09380 | 40.60601 | .1916174 | .0036816 | 6.051539 | .6460207 | 4.462411 |
| Stddev | .11729   | .26256   | .0007621 | .0002941 | .090760  | .0032431 | .029628  |
| %RSD   | .4329162 | .6466141 | .3977076 | 7.987895 | 1.499791 | .5020126 | .6639501 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 27.22436 | 40.65531 | .1913026 | .0034107 | 6.147512 | .6494255 | 4.496621 |
| #2 | 26.99733 | 40.84043 | .1910631 | .0039944 | 5.967092 | .6429681 | 4.444970 |
| #3 | 27.05970 | 40.32229 | .1924864 | .0036396 | 6.040013 | .6456685 | 4.445643 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 17.36670 | 1.359963 | .8658068 | .0190026 | 6.910852 | 15.89055 | .0384681 |
| Stddev | .04754   | .003941  | .0093272 | .0003096 | .024824  | .02808   | .0016109 |
| %RSD   | .2737161 | .2898237 | 1.077282 | 1.629170 | .3591964 | .1767344 | 4.187496 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 17.41923 | 1.361382 | .8735260 | .0187930 | 6.919873 | 15.86223 | .0381198 |
| #2 | 17.32664 | 1.355508 | .8684516 | .0188565 | 6.882779 | 15.91839 | .0402245 |
| #3 | 17.35423 | 1.362998 | .8554428 | .0193581 | 6.929903 | 15.89101 | .0370598 |



Sample Name: J3155-12      Acquired: 6/4/2018 18:01:18      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATEW4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.064554 | .1996361 | .6136520 |
| Stddev | .009038  | .0005282 | .0020223 |
| %RSD   | .4377582 | .2645729 | .3295456 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.072998 | .2002382 | .6159313 |
| #2 | 2.055021 | .1992510 | .6129519 |
| #3 | 2.065642 | .1994189 | .6120728 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2722.817 | 3546.985 | 54293.13 | 9839.022 | 3610.248 |
| Stddev    | 7.608    | 13.304   | 109.71   | 35.025   | 10.309   |
| %RSD      | .2794047 | .3750904 | .2020698 | .3559839 | .2855353 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2714.296 | 3543.053 | 54244.45 | 9854.445 | 3611.932 |
| #2 | 2725.224 | 3561.812 | 54216.19 | 9798.932 | 3619.611 |
| #3 | 2728.929 | 3536.090 | 54418.76 | 9863.689 | 3599.201 |

Sample Name: J3155-13      Acquired: 6/4/2018 18:05:15      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATW5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1736920 | -.007489 | 1.114785 | .0237434 | .0169408 | 169.9432 | 2.052207 |
| Stddev | .0022889 | .007774  | .003457  | .0023585 | .0030426 | .3716    | .000673  |
| %RSD   | 1.317806 | 103.8103 | .3101069 | 9.933452 | 17.96039 | .2186789 | .0327724 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1763348 | .000883  | 1.115047 | .0258535 | .0186626 | 170.1267 | 2.052709 |
| #2 | .1723956 | -.014480 | 1.111205 | .0211973 | .0134277 | 169.5155 | 2.051442 |
| #3 | .1723455 | -.008869 | 1.118104 | .0241795 | .0187320 | 170.1874 | 2.052468 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0301667 | .0147793 | 239.4516 | .5989534 | .2205047 | .2917990 | 584.0111 |
| Stddev | .0001931 | .0001492 | .6208    | .0131802 | .0011642 | .0007623 | 1.8209   |
| %RSD   | .6399945 | 1.009224 | .2592784 | 2.200531 | .5279798 | .2612597 | .3117863 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0299455 | .0148094 | 238.7810 | .5916771 | .2217608 | .2909446 | 585.0482 |
| #2 | .0303015 | .0149111 | 239.5674 | .5910153 | .2202917 | .2920424 | 581.9086 |
| #3 | .0302531 | .0146173 | 240.0064 | .6141677 | .2194617 | .2924099 | 585.0765 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 23.38791 | 39.44462 | .1645421 | .0021500 | 4.130223 | .5820333 | 4.312637 |
| Stddev | .11540   | .10008   | .0019831 | .0007529 | .273463  | .0010113 | .071874  |
| %RSD   | .4934120 | .2537229 | 1.205252 | 35.01860 | 6.621012 | .1737468 | 1.666589 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 23.30802 | 39.44503 | .1662903 | .0021258 | 4.268774 | .5830896 | 4.279958 |
| #2 | 23.33548 | 39.34434 | .1623871 | .0029147 | 4.306680 | .5819363 | 4.262909 |
| #3 | 23.52021 | 39.54450 | .1649489 | .0014095 | 3.815215 | .5810741 | 4.395044 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 10.77953 | 1.184756 | .7933924 | .0148400 | 6.369308 | 17.89446 | .0304347 |
| Stddev | .03698   | .004070  | .0105529 | .0002236 | .039252  | .05162   | .0008408 |
| %RSD   | .3430886 | .3435412 | 1.330100 | 1.506483 | .6162627 | .2884725 | 2.762555 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 10.81820 | 1.181244 | .8038967 | .0146219 | 6.355152 | 17.83607 | .0294872 |
| #2 | 10.77589 | 1.183807 | .7827915 | .0148295 | 6.413674 | 17.91327 | .0307253 |
| #3 | 10.74450 | 1.189217 | .7934891 | .0150687 | 6.339098 | 17.93404 | .0310916 |

Sample Name: J3155-13      Acquired: 6/4/2018 18:05:15      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MDATW5      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.708863 | .1859176 | .7228870 |
| Stddev | .010050  | .0008775 | .0007268 |
| %RSD   | .5881198 | .4719777 | .1005451 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.700694 | .1856431 | .7224821 |
| #2 | 1.705809 | .1868995 | .7224528 |
| #3 | 1.720086 | .1852101 | .7237261 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2673.199 | 3505.233 | 53240.22 | 9783.519 | 3654.896 |
| Stddev    | 30.277   | 9.024    | 730.37   | 34.603   | 5.572    |
| %RSD      | 1.132596 | .2574385 | 1.371837 | .3536865 | .1524655 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2690.057 | 3494.899 | 53618.86 | 9778.385 | 3650.102 |
| #2 | 2691.294 | 3511.554 | 53703.53 | 9751.769 | 3661.010 |
| #3 | 2638.246 | 3509.246 | 52398.29 | 9820.401 | 3653.578 |

Sample Name: J3155-14      Acquired: 6/4/2018 18:09:11      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATW6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1264373 | -.018553 | 1.691514 | .0228109 | .0128736 | 188.4453 | 2.606768 |
| Stddev | .0066462 | .002689  | .016991  | .0006628 | .0012886 | .1454    | .000796  |
| %RSD   | 5.256501 | 14.49203 | 1.004473 | 2.905863 | 10.00959 | .0771719 | .0305474 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1304393 | -.017169 | 1.679358 | .0227671 | .0121912 | 188.5878 | 2.606389 |
| #2 | .1301071 | -.016837 | 1.684255 | .0234946 | .0143599 | 188.4509 | 2.606231 |
| #3 | .1187653 | -.021651 | 1.710929 | .0221711 | .0120697 | 188.2971 | 2.607682 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0397884 | .0167374 | 660.5724 | .3300809 | .1260641 | .3199207 | 369.0768 |
| Stddev | .0001458 | .0002260 | .3640    | .0024472 | .0009942 | .0030359 | .4689    |
| %RSD   | .3664836 | 1.350465 | .0551108 | .7413977 | .7886133 | .9489453 | .1270534 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0397149 | .0167703 | 660.8432 | .3318490 | .1252682 | .3164611 | 369.4816 |
| #2 | .0396941 | .0169452 | 660.7154 | .3272879 | .1257455 | .3221401 | 369.1858 |
| #3 | .0399564 | .0164968 | 660.1586 | .3311058 | .1271785 | .3211609 | 368.5630 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 12.90957 | 155.4795 | .1792684 | .0004552 | 6.595515 | .3203842 | 5.883279 |
| Stddev | .10465   | .3577    | .0004620 | .0001753 | .033925  | .0046261 | .077478  |
| %RSD   | .8106141 | .2300474 | .2577433 | 38.51811 | .5143709 | 1.443924 | 1.316917 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 13.01089 | 155.5310 | .1792523 | .0006127 | 6.578386 | .3183241 | 5.931358 |
| #2 | 12.91593 | 155.8086 | .1788146 | .0002663 | 6.634590 | .3171460 | 5.924577 |
| #3 | 12.80189 | 155.0989 | .1797383 | .0004867 | 6.573570 | .3256825 | 5.793901 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 19.24845 | 1.867792 | .6128683 | .0115034 | 18.24770 | 6.675363 | .0327047 |
| Stddev | .01142   | .004572  | .0064811 | .0004716 | .08614   | .011325  | .0024602 |
| %RSD   | .0593504 | .2447772 | 1.057502 | 4.099398 | .4720564 | .1696541 | 7.522531 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 19.24859 | 1.862823 | .6107958 | .0117568 | 18.14825 | 6.662305 | .0318100 |
| #2 | 19.25980 | 1.871821 | .6201321 | .0117940 | 18.29896 | 6.682502 | .0354871 |
| #3 | 19.23696 | 1.868731 | .6076769 | .0109593 | 18.29589 | 6.681283 | .0308170 |

Sample Name: J3155-14      Acquired: 6/4/2018 18:09:11      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MDATW6      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 4.695787 | .2330476 | 1.185207 |
| Stddev | .027057  | .0007594 | .003499  |
| %RSD   | .5761883 | .3258636 | .2952467 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 4.726575 | .2336642 | 1.187474 |
| #2 | 4.684989 | .2321994 | 1.186971 |
| #3 | 4.675796 | .2332793 | 1.181177 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2720.926 | 3548.546 | 54339.17 | 10034.39 | 3367.867 |
| Stddev    | 7.077    | 6.511    | 97.27    | 25.32    | 3.224    |
| %RSD      | .2600868 | .1834869 | .1790085 | .2523576 | .0957233 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2724.815 | 3541.231 | 54227.96 | 10063.51 | 3367.541 |
| #2 | 2712.757 | 3553.707 | 54408.38 | 10017.52 | 3371.241 |
| #3 | 2725.205 | 3550.702 | 54381.18 | 10022.15 | 3364.818 |

Sample Name: J3155-15      Acquired: 6/4/2018 18:13:08      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATW7      Custom ID2:      Custom ID3:  
Comment:

|        |            |            |            |            |            |          |
|--------|------------|------------|------------|------------|------------|----------|
| Elem   | As1890     | Tl1908     | Pb2203     | Se1960     | Sb2068     | Al3961   |
| Units  | ppm        | ppm        | ppm        | ppm        | ppm        | ppm      |
| Avg    | k .2299978 | k -.004377 | k .9984239 | k -.060589 | k .0319805 | 204.5346 |
| Stddev | .0075003   | .002933    | .0311387   | .003095    | .0013711   | .4973    |
| %RSD   | 3.261018   | 67.01062   | 3.118784   | 5.108012   | 4.287305   | .2431141 |

|    |            |            |            |            |            |          |
|----|------------|------------|------------|------------|------------|----------|
| #1 | k .2259602 | k -.005296 | k .9879363 | k -.058611 | k .0334133 | 203.9605 |
| #2 | k .2386519 | k -.001095 | k 1.033452 | k -.064155 | k .0318476 | 204.8246 |
| #3 | k .2253812 | k -.006741 | k .973883  | k -.059000 | k .0306808 | 204.8189 |

|        |          |            |            |            |            |            |
|--------|----------|------------|------------|------------|------------|------------|
| Elem   | Ba4934   | Be2348     | Cd2144     | Ca3736     | Cr2677     | Co2286     |
| Units  | ppm      | ppm        | ppm        | ppm        | ppm        | ppm        |
| Avg    | 5.524112 | k .0306573 | k .0332110 | k 76.94734 | k .7980248 | k .4299358 |
| Stddev | .010685  | .0003855   | .0012580   | .19984     | .0012193   | .0116715   |
| %RSD   | .1934291 | 1.257568   | 3.787921   | .2597142   | .1527924   | 2.714720   |

|    |          |            |            |            |            |            |
|----|----------|------------|------------|------------|------------|------------|
| #1 | 5.511860 | k .0302230 | k .0323373 | k 76.71703 | k .7967650 | k .4245541 |
| #2 | 5.528975 | k .0307895 | k .0346529 | k 77.07487 | k .7981102 | k .4433273 |
| #3 | 5.531501 | k .0309592 | k .0326429 | k 77.05013 | k .7991992 | k .4219261 |

|        |            |            |            |          |            |            |
|--------|------------|------------|------------|----------|------------|------------|
| Elem   | Cu3247     | Fe2598     | Mn2576     | Mg2790   | Ni2316     | Ag3280     |
| Units  | ppm        | ppm        | ppm        | ppm      | ppm        | ppm        |
| Avg    | k .2028893 | k 692.3234 | C .0000000 | 18.76102 | k .2200980 | k -.054815 |
| Stddev | .0025258   | 2.8109     | .0000000   | .16332   | .0066007   | .000730    |
| %RSD   | 1.244894   | .4060084   | .0000000   | .8705210 | 2.998969   | 1.331307   |

|    |            |            |            |          |            |            |
|----|------------|------------|------------|----------|------------|------------|
| #1 | k .2004499 | k 689.3965 | C .0000000 | 18.59993 | k .2168887 | k -.055537 |
| #2 | k .2027246 | k 695.0018 | C .0000000 | 18.75665 | k .2276896 | k -.054078 |
| #3 | k .2054934 | k 692.5718 | C .0000000 | 18.92648 | k .2157156 | k -.054829 |

|        |          |            |            |          |            |            |
|--------|----------|------------|------------|----------|------------|------------|
| Elem   | Na8183   | V_2924     | Zn2138     | K_7698   | P_1774     | B_2496     |
| Units  | ppm      | ppm        | ppm        | ppm      | ppm        | ppm        |
| Avg    | 27.08200 | k .9266418 | k 1.997456 | 51.63471 | k 1.066461 | k -.837997 |
| Stddev | .18945   | .0077225   | .023171    | .19291   | .029280    | .006834    |
| %RSD   | .6995566 | .8333818   | 1.160050   | .3736065 | 2.745510   | .8155113   |

|    |          |            |            |          |            |            |
|----|----------|------------|------------|----------|------------|------------|
| #1 | 27.12973 | k .9199043 | k 2.008351 | 51.43713 | k 1.056163 | k -.831645 |
| #2 | 26.87324 | k .9350693 | k 2.013173 | 51.64443 | k 1.099499 | k -.837119 |
| #3 | 27.24302 | k .9249518 | k 1.970845 | 51.82258 | k 1.043722 | k -.845228 |

Sample Name: J3155-15      Acquired: 6/4/2018 18:13:08      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATEW7      Custom ID2:      Custom ID3:  
Comment:

|        |            |            |            |            |            |            |
|--------|------------|------------|------------|------------|------------|------------|
| Elem   | Mo2020     | S_1820     | Si2516     | Sn1899     | Ti3361     | Li6707     |
| Units  | ppm        | ppm        | ppm        | ppm        | ppm        | ppm        |
| Avg    | k .0338883 | k 1.800313 | k 32.62047 | k .0180933 | k 2.627235 | k .3101817 |
| Stddev | .0007846   | .041939    | .20400     | .0014653   | .005683    | .0011706   |
| %RSD   | 2.315357   | 2.329517   | .6253805   | 8.098655   | .2163055   | .3774054   |

|    |            |            |            |            |            |            |
|----|------------|------------|------------|------------|------------|------------|
| #1 | k .0339526 | k 1.780575 | k 32.40671 | k .0180225 | k 2.624901 | k .3088617 |
| #2 | k .0346388 | k 1.848479 | k 32.64161 | k .0195927 | k 2.623090 | k .3105893 |
| #3 | k .0330735 | k 1.771886 | k 32.81307 | k .0166647 | k 2.633713 | k .3110941 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 2.535747 |
| Stddev | .007130  |
| %RSD   | .2811791 |

|    |          |
|----|----------|
| #1 | 2.531055 |
| #2 | 2.532235 |
| #3 | 2.543952 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2811.541 | 3658.258 | 55546.06 | 9926.635 | 3661.757 |
| Stddev    | 11.060   | 68.453   | 168.50   | 38.506   | 87.122   |
| %RSD      | .3933615 | 1.871193 | .3033493 | .3879016 | 2.379244 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2799.900 | 3676.978 | 55356.33 | 9933.534 | 3687.285 |
| #2 | 2821.909 | 3582.393 | 55603.59 | 9961.225 | 3564.723 |
| #3 | 2812.812 | 3715.405 | 55678.25 | 9885.147 | 3733.264 |

Sample Name: J3155-16      Acquired: 6/4/2018 18:17:05      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATW8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1877129 | -.015638 | 1.007369 | .0180524 | .0190748 | 139.8713 | 1.822575 |
| Stddev | .0028515 | .001220  | .013231  | .0027532 | .0007239 | .6404    | .001734  |
| %RSD   | 1.519071 | 7.798878 | 1.313470 | 15.25114 | 3.794837 | .4578386 | .0951287 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1895025 | -.014302 | 1.021495 | .0202393 | .0192349 | 140.6108 | 1.821326 |
| #2 | .1892117 | -.016691 | .995265  | .0149606 | .0197052 | 139.5005 | 1.824554 |
| #3 | .1844246 | -.015922 | 1.005346 | .0189572 | .0182843 | 139.5026 | 1.821845 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0271910 | .0123083 | 314.9466 | .5454124 | .1875630 | .2669526 | 572.5635 |
| Stddev | .0001394 | .0001957 | .8554    | .0017432 | .0026619 | .0046250 | 5.0240   |
| %RSD   | .5125770 | 1.589874 | .2716148 | .3196131 | 1.419188 | 1.732511 | .8774630 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0272233 | .0124566 | 314.2914 | .5435347 | .1906126 | .2722005 | 578.3596 |
| #2 | .0270383 | .0123818 | 315.9144 | .5457231 | .1863704 | .2651860 | 569.4532 |
| #3 | .0273114 | .0120865 | 314.6341 | .5469794 | .1857060 | .2634713 | 569.8778 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 20.94116 | 97.52631 | .1626032 | .0022952 | 3.864745 | .6121499 | 2.968206 |
| Stddev | .10075   | .68291   | .0019084 | .0005110 | .028853  | .0067090 | .033836  |
| %RSD   | .4811177 | .7002284 | 1.173636 | 22.26498 | .7465610 | 1.095969 | 1.139948 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 20.82488 | 98.26421 | .1644667 | .0028008 | 3.894347 | .6194978 | 2.984190 |
| #2 | 21.00242 | 97.39817 | .1626899 | .0017789 | 3.863185 | .6063507 | 2.991089 |
| #3 | 20.99618 | 96.91655 | .1606529 | .0023058 | 3.836704 | .6106012 | 2.929339 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 10.83011 | 1.372649 | .7783015 | .0190920 | 5.541686 | 25.64642 | .0292313 |
| Stddev | .06789   | .013126  | .0185316 | .0004418 | .054738  | .04645   | .0013940 |
| %RSD   | .6268973 | .9562703 | 2.381036 | 2.313962 | .9877470 | .1811342 | 4.768752 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 10.84958 | 1.387780 | .7994477 | .0192588 | 5.587838 | 25.59387 | .0287610 |
| #2 | 10.75461 | 1.365861 | .7705655 | .0194261 | 5.556010 | 25.66338 | .0307996 |
| #3 | 10.88614 | 1.364307 | .7648913 | .0185911 | 5.481210 | 25.68202 | .0281333 |



Sample Name: J3155-16      Acquired: 6/4/2018 18:17:05      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: MDATW8      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.896167 | .1739784 | .6845317 |
| Stddev | .008191  | .0007186 | .0008430 |
| %RSD   | .4319562 | .4130580 | .1231469 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.904525 | .1741938 | .6839072 |
| #2 | 1.888155 | .1745647 | .6854906 |
| #3 | 1.895822 | .1731767 | .6841974 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2592.519 | 3342.644 | 51890.37 | 9446.730 | 3557.957 |
| Stddev    | 11.016   | 22.436   | 215.56   | 66.645   | 33.045   |
| %RSD      | .4249147 | .6711930 | .4154234 | .7054856 | .9287730 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2589.813 | 3316.834 | 51785.02 | 9389.832 | 3519.931 |
| #2 | 2583.108 | 3357.481 | 51747.75 | 9430.306 | 3579.715 |
| #3 | 2604.636 | 3353.618 | 52138.35 | 9520.052 | 3574.225 |

Sample Name: J3155-17      Acquired: 6/4/2018 18:21:01      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATW9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1194525 | -.015005 | .9779767 | .0265156 | .0099038 | 189.5559 |
| Stddev | .0033528 | .004992  | .0111406 | .0057370 | .0014549 | .7399    |
| %RSD   | 2.806796 | 33.27055 | 1.139150 | 21.63635 | 14.69026 | .3903490 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1158136 | -.016058 | .9651158 | .0327458 | .0115749 | 190.2700 |
| #2 | .1224166 | -.019386 | .9846538 | .0253504 | .0092182 | 189.6052 |
| #3 | .1201273 | -.009570 | .9841606 | .0214507 | .0089185 | 188.7926 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | 2.434221 | .0347352 | .0169978 | F 849.9048 | .2092351 | .0881724 |
| Stddev | .003588  | .0000838 | .0003042 | 8.9561     | .0015175 | .0010900 |
| %RSD   | .1473852 | .2411735 | 1.789727 | 1.053777   | .7252691 | 1.236251 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.438248 | .0346907 | .0166576 | 855.1613 | .2108874 | .0869486 |
| #2 | 2.433048 | .0346831 | .0170921 | 854.9894 | .2089140 | .0890390 |
| #3 | 2.431366 | .0348318 | .0172437 | 839.5636 | .2079038 | .0885296 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3036456 | 210.5270 | 10.27386 | 230.3776 | .2153665 | -.000122 |
| Stddev | .0027785 | 1.3146   | .06667   | 1.1174   | .0028731 | .000196  |
| %RSD   | .9150637 | .6244564 | .6489138 | .4850274 | 1.334057 | 161.0674 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3025043 | 211.9345 | 10.25187 | 231.5139 | .2120490 | -.000115 |
| #2 | .3016194 | 210.3157 | 10.22097 | 230.3386 | .2170380 | .000071  |
| #3 | .3068130 | 209.3308 | 10.34875 | 229.2801 | .2170126 | -.000321 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 7.992751 | .2032515 | 6.145211 | 22.38979 | 2.049758 | .4290947 |
| Stddev | .102452  | .0044411 | .039470  | .02244   | .019758  | .0050996 |
| %RSD   | 1.281811 | 2.185025 | .6422874 | .1002427 | .9638974 | 1.188463 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 8.068729 | .2069393 | 6.180054 | 22.36937 | 2.027290 | .4344338 |
| #2 | 7.876232 | .2044935 | 6.153232 | 22.41382 | 2.057561 | .4285761 |
| #3 | 8.033291 | .1983216 | 6.102346 | 22.38618 | 2.064422 | .4242741 |

Sample Name: J3155-17      Acquired: 6/4/2018 18:21:01      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATW9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0116191 | 20.80811 | 6.875639 | .0275871 | 4.876166 | .2395201 |
| Stddev | .0002299 | .18228   | .029800  | .0011494 | .010572  | .0004553 |
| %RSD   | 1.978305 | .8760252 | .4334105 | 4.166548 | .2168147 | .1900796 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0118652 | 20.60060 | 6.845863 | .0273168 | 4.877253 | .2392382 |
| #2 | .0115822 | 20.94240 | 6.905463 | .0265969 | 4.865093 | .2400453 |
| #3 | .0114099 | 20.88133 | 6.875591 | .0288476 | 4.886153 | .2392768 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 1.309140 |
| Stddev | .001762  |
| %RSD   | .1345980 |

|    |          |
|----|----------|
| #1 | 1.311035 |
| #2 | 1.308835 |
| #3 | 1.307551 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2703.802 | 3499.828 | 53746.25 | 10077.34 | 3273.572 |
| Stddev    | 14.809   | 19.615   | 338.61   | 28.67    | 22.795   |
| %RSD      | .5477134 | .5604640 | .6300238 | .2845439 | .6963425 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2697.727 | 3520.433 | 53364.20 | 10088.59 | 3299.505 |
| #2 | 2692.996 | 3481.381 | 54009.31 | 10044.74 | 3264.505 |
| #3 | 2720.682 | 3497.669 | 53865.25 | 10098.67 | 3256.705 |

Sample Name: J3155-18      Acquired: 6/4/2018 18:25:02      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: M DATX0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3614855 | .0027008 | .3917350 | .0094869 | .0132849 | 82.02360 | 1.545002 |
| Stddev | .0088699 | .0005089 | .0040437 | .0036954 | .0023908 | .34377   | .002486  |
| %RSD   | 2.453749 | 18.84319 | 1.032266 | 38.95279 | 17.99600 | .4191074 | .1608994 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .3512849 | .0032767 | .3896201 | .0081422 | .0160426 | 82.32015 | 1.547824 |
| #2 | .3673838 | .0023115 | .3963977 | .0136664 | .0120145 | 82.10384 | 1.544045 |
| #3 | .3657879 | .0025144 | .3891874 | .0066522 | .0117975 | 81.64681 | 1.543137 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0215194 | .0104658 | 137.2205 | .2733883 | .2664390 | .1279607 | 308.0193 |
| Stddev | .0001093 | .0004338 | .3688    | .0003828 | .0039968 | .0017510 | 2.9147   |
| %RSD   | .5079807 | 4.144502 | .2687732 | .1400195 | 1.500081 | 1.368348 | .9462595 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0215636 | .0100006 | 137.3043 | .2732408 | .2622692 | .1279815 | 311.2328 |
| #2 | .0213949 | .0108590 | 136.8171 | .2738229 | .2702368 | .1297012 | 307.2785 |
| #3 | .0215996 | .0105378 | 137.5403 | .2731012 | .2668110 | .1261995 | 305.5465 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 15.44741 | 23.73072 | .9379492 | .0003593 | 2.886506 | .3830754 | 1.599776 |
| Stddev | .07641   | .21981   | .0113851 | .0004611 | .126299  | .0044514 | .024044  |
| %RSD   | .4946151 | .9262501 | 1.213827 | 128.3416 | 4.375509 | 1.162012 | 1.502952 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 15.39742 | 23.97652 | .9265915 | .0008488 | 2.904155 | .3800384 | 1.627160 |
| #2 | 15.40944 | 23.66260 | .9493615 | -.000067 | 3.003053 | .3810026 | 1.590046 |
| #3 | 15.53536 | 23.55303 | .9378946 | .000296  | 2.752311 | .3881852 | 1.582122 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.544299 | .5177586 | .4522463 | .0113819 | 3.319527 | 24.79846 | .0075501 |
| Stddev | .029745  | .0065780 | .0081224 | .0003902 | .060287  | .20880   | .0007707 |
| %RSD   | .4545163 | 1.270484 | 1.796013 | 3.428392 | 1.816125 | .8419919 | 10.20773 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.512350 | .5105687 | .4613944 | .0118143 | 3.250814 | 24.80438 | .0081015 |
| #2 | 6.549355 | .5234747 | .4494633 | .0110561 | 3.363547 | 24.58676 | .0066695 |
| #3 | 6.571191 | .5192326 | .4458813 | .0112752 | 3.344221 | 25.00423 | .0078794 |

Sample Name: J3155-18      Acquired: 6/4/2018 18:25:02      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATEX0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .9544189 | .0939724 | .3589759 |
| Stddev | .0035821 | .0008138 | .0003931 |
| %RSD   | .3753191 | .8660212 | .1094947 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .9572894 | .0934998 | .3585549 |
| #2 | .9555629 | .0935053 | .3590397 |
| #3 | .9504046 | .0949122 | .3593332 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2924.473 | 3781.230 | 58196.91 | 10358.16 | 3833.975 |
| Stddev    | 16.355   | 16.185   | 142.07   | 43.96    | 31.483   |
| %RSD      | .5592387 | .4280306 | .2441249 | .4243870 | .8211569 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2917.525 | 3799.179 | 58283.52 | 10342.01 | 3865.605 |
| #2 | 2912.740 | 3776.766 | 58032.94 | 10407.91 | 3802.642 |
| #3 | 2943.155 | 3767.746 | 58274.25 | 10324.56 | 3833.679 |

Sample Name: J3211-23DLX2      Acquired: 6/4/2018 18:29:02      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATZ4      Custom ID2:      Custom ID3:  
Comment:

|        |            |            |            |            |            |          |
|--------|------------|------------|------------|------------|------------|----------|
| Elem   | As1890     | Tl1908     | Pb2203     | Se1960     | Sb2068     | Al3961   |
| Units  | ppm        | ppm        | ppm        | ppm        | ppm        | ppm      |
| Avg    | k .0934226 | k -.056278 | k .5398362 | k -.091019 | k .0149163 | 82.29089 |
| Stddev | .0072416   | .003359    | .0005614   | .004588    | .0022075   | .27301   |
| %RSD   | 7.751428   | 5.969227   | .1040025   | 5.040315   | 14.79920   | .3317639 |

|    |            |            |            |            |            |          |
|----|------------|------------|------------|------------|------------|----------|
| #1 | k .0993678 | k -.052436 | k .5401825 | k -.086372 | k .0158814 | 82.60578 |
| #2 | k .0955422 | k -.057736 | k .5391884 | k -.091139 | k .0123906 | 82.14636 |
| #3 | k .0853577 | k -.058662 | k .5401376 | k -.095545 | k .0164768 | 82.12052 |

|        |          |          |            |            |            |            |
|--------|----------|----------|------------|------------|------------|------------|
| Elem   | Ba4934   | Be2348   | Cd2144     | Ca3736     | Cr2677     | Co2286     |
| Units  | ppm      | ppm      | ppm        | ppm        | ppm        | ppm        |
| Avg    | 8.445454 | .0276506 | k .0355967 | k 6.386432 | k .3270296 | k .4024771 |
| Stddev | .014722  | .0001351 | .0002538   | .050945    | .0009455   | .0021138   |
| %RSD   | .1743213 | .4885285 | .7128578   | .7977042   | .2891202   | .5252087   |

|    |          |          |            |            |            |            |
|----|----------|----------|------------|------------|------------|------------|
| #1 | 8.461772 | .0275144 | k .0355171 | k 6.372631 | k .3264759 | k .4017510 |
| #2 | 8.441421 | .0276529 | k .0353923 | k 6.343810 | k .3281213 | k .4008219 |
| #3 | 8.433168 | .0277845 | k .0358807 | k 6.442856 | k .3264915 | k .4048583 |

|        |            |             |            |          |            |            |
|--------|------------|-------------|------------|----------|------------|------------|
| Elem   | Cu3247     | Fe2598      | Mn2576     | Mg2790   | Ni2316     | Ag3280     |
| Units  | ppm        | ppm         | ppm        | ppm      | ppm        | ppm        |
| Avg    | k -.057185 | kF 805.7979 | C .0000000 | 9.256808 | k .1483540 | k -.069676 |
| Stddev | .002766    | 3.8018      | .0000000   | .066688  | .0006712   | .000317    |
| %RSD   | 4.836709   | .4718114    | .0000000   | .7204230 | .4524353   | .4552202   |

|    |            |            |            |          |            |            |
|----|------------|------------|------------|----------|------------|------------|
| #1 | k -.058819 | k 809.9636 | C .0000000 | 9.329780 | k .1482808 | k -.070008 |
| #2 | k -.058746 | k 802.5154 | C .0000000 | 9.241621 | k .1477224 | k -.069376 |
| #3 | k -.053992 | k 804.9145 | C .0000000 | 9.199023 | k .1490588 | k -.069644 |

|        |          |            |            |          |            |            |
|--------|----------|------------|------------|----------|------------|------------|
| Elem   | Na8183   | V_2924     | Zn2138     | K_7698   | P_1774     | B_2496     |
| Units  | ppm      | ppm        | ppm        | ppm      | ppm        | ppm        |
| Avg    | 3.398556 | k .9374691 | k .2989955 | -.520003 | k .1399461 | k -1.02298 |
| Stddev | .241770  | .0057567   | .0002877   | .061690  | .0016130   | .00248     |
| %RSD   | 7.113893 | .6140672   | .0962157   | 11.86343 | 1.152596   | .2427139   |

|    |          |            |            |          |            |            |
|----|----------|------------|------------|----------|------------|------------|
| #1 | 3.586977 | k .9406602 | k .2992357 | -.543185 | k .1390930 | k -1.02016 |
| #2 | 3.482743 | k .9409236 | k .2990742 | -.450080 | k .1389388 | k -1.02391 |
| #3 | 3.125948 | k .9308236 | k .2986767 | -.566745 | k .1418065 | k -1.02486 |

Sample Name: J3211-23DLX2      Acquired: 6/4/2018 18:29:02      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATZ4      Custom ID2:      Custom ID3:  
Comment:

|        |            |            |            |            |            |            |
|--------|------------|------------|------------|------------|------------|------------|
| Elem   | Mo2020     | S_1820     | Si2516     | Sn1899     | Ti3361     | Li6707     |
| Units  | ppm        | ppm        | ppm        | ppm        | ppm        | ppm        |
| Avg    | k -.002452 | k .7469103 | k 5.867754 | k .0113044 | k .4060817 | k .0126379 |
| Stddev | .000334    | .0042867   | .008826    | .0009601   | .0013281   | .0009123   |
| %RSD   | 13.64039   | .5739177   | .1504210   | 8.492707   | .3270576   | 7.218419   |

|    |            |            |            |            |            |            |
|----|------------|------------|------------|------------|------------|------------|
| #1 | k -.002646 | k .7442752 | k 5.877906 | k .0110402 | k .4064356 | k .0116210 |
| #2 | k -.002644 | k .7445990 | k 5.863455 | k .0105041 | k .4071971 | k .0133844 |
| #3 | k -.002066 | k .7518565 | k 5.861901 | k .0123689 | k .4046125 | k .0129083 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .0581138 |
| Stddev | .0001818 |
| %RSD   | .3128035 |

|    |          |
|----|----------|
| #1 | .0583044 |
| #2 | .0580945 |
| #3 | .0579424 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2834.647 | 3687.878 | 55687.11 | 9681.586 | 3942.319 |
| Stddev    | 2.298    | 4.245    | 151.32   | 19.868   | 9.756    |
| %RSD      | .0810803 | .1151051 | .2717402 | .2052092 | .2474790 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2837.074 | 3683.208 | 55861.81 | 9670.382 | 3943.895 |
| #2 | 2834.365 | 3691.503 | 55597.09 | 9704.525 | 3951.191 |
| #3 | 2832.503 | 3688.923 | 55602.41 | 9669.851 | 3931.870 |

Sample Name: J3153-21DLX2      Acquired: 6/4/2018 18:33:03      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDATE8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1513803 | .0340244 | 2.879326 | .0102226 | .0094665 | 82.28072 |
| Stddev | .0058890 | .0015863 | .010162  | .0028094 | .0009315 | 1.66715  |
| %RSD   | 3.890208 | 4.662360 | .3529182 | 27.48210 | 9.839406 | 2.026170 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .1471312 | .0328492 | 2.884009 | .0076914 | .0105409 | 84.20315 |
| #2 | .1489070 | .0333952 | 2.867667 | .0132453 | .0089730 | 81.40668 |
| #3 | .1581026 | .0358289 | 2.886302 | .0097312 | .0088857 | 81.23235 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.047708 | .0195579 | .0130790 | 49.50538 | .2800989 | .2863968 |
| Stddev | .091286  | .0000857 | .0001834 | .99889   | .0062851 | .0010001 |
| %RSD   | 2.255246 | .4379925 | 1.401892 | 2.017740 | 2.243894 | .3491921 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.153026 | .0195872 | .0129462 | 50.65513 | .2740790 | .2873080 |
| #2 | 3.991273 | .0196250 | .0130025 | 49.01010 | .2866193 | .2853269 |
| #3 | 3.998825 | .0194614 | .0132882 | 48.85091 | .2795985 | .2865556 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .3661138 | 316.9352 | F 56.28083 | 9.269225 | .1546599 | .0000623 |
| Stddev | .0053980 | 5.9710   | 1.58621    | .188975  | .0005114 | .0007799 |
| %RSD   | 1.474415 | 1.883973 | 2.818384   | 2.038739 | .3306461 | 1251.263 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3717738 | 323.7154 | 58.07435 | 9.478542 | .1541559 | .0007060 |
| #2 | .3610228 | 314.6286 | 55.70581 | 9.217963 | .1551784 | -.000805 |
| #3 | .3655449 | 312.4615 | 55.06232 | 9.111169 | .1546454 | .000286  |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.013166 | .3132284 | 3.175884 | 5.152548 | 1.431262 | .4323990 |
| Stddev | .067496  | .0037005 | .062764  | .105768  | .002230  | .0103098 |
| %RSD   | 3.352742 | 1.181422 | 1.976266 | 2.052731 | .1558324 | 2.384327 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.023679 | .3173751 | 3.165474 | 5.274602 | 1.432062 | .4441220 |
| #2 | 2.074788 | .3120484 | 3.243201 | 5.087764 | 1.432982 | .4283325 |
| #3 | 1.941030 | .3102618 | 3.118975 | 5.095279 | 1.428742 | .4247426 |



Sample Name: J3153-21DLX2      Acquired: 6/4/2018 18:33:03      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: MDA TR8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0127360 | 2.315710 | 9.935288 | .0291109 | .7046349 | .0826397 |
| Stddev | .0001855 | .003006  | .144270  | .0014598 | .0142896 | .0026353 |
| %RSD   | 1.456268 | .1298294 | 1.452093 | 5.014716 | 2.027947 | 3.188950 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0128220 | 2.312281 | 10.09120 | .0279184 | .7211128 | .0856073 |
| #2 | .0128629 | 2.316955 | 9.90816  | .0286754 | .6971394 | .0817393 |
| #3 | .0125232 | 2.317893 | 9.80651  | .0307389 | .6956525 | .0805726 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .3106986 |
| Stddev | .0066336 |
| %RSD   | 2.135072 |

|    |          |
|----|----------|
| #1 | .3183446 |
| #2 | .3072755 |
| #3 | .3064758 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2797.897 | 3637.478 | 54536.85 | 9538.030 | 4021.534 |
| Stddev    | 49.219   | 17.684   | 764.08   | 162.671  | 13.558   |
| %RSD      | 1.759146 | .4861618 | 1.401029 | 1.705501 | .3371474 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2812.238 | 3619.959 | 55032.40 | 9361.053 | 4010.216 |
| #2 | 2743.100 | 3655.322 | 53656.90 | 9572.009 | 4036.561 |
| #3 | 2838.353 | 3637.154 | 54921.24 | 9681.028 | 4017.824 |

Sample Name: CCV006      Acquired: 6/4/2018 18:37:03      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV006      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 5.040661 | 5.009035 | 25.09416 | 5.087314 | 4.987445 | F 172.9941 |
| Stddev | .017112  | .039875  | .09089   | .033518  | .014443  | .7352      |
| %RSD   | .3394734 | .7960711 | .3621962 | .6588597 | .2895778 | .4250027   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 5.043791 | 5.001057 | 25.05861 | 5.078126 | 4.981910 | 172.6843 |
| #2 | 5.022200 | 4.973752 | 25.02641 | 5.059349 | 4.976589 | 172.4645 |
| #3 | 5.055992 | 5.052297 | 25.19745 | 5.124469 | 5.003837 | 173.8335 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | 9.864223 | .5184604 | 2.521151 | F 259.8358 | 15.09547 | 2.493665 |
| Stddev | .004731  | .0008539 | .011299  | .4170      | .05363   | .010328  |
| %RSD   | .0479611 | .1646979 | .4481668 | .1604684   | .3553040 | .4141636 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.859771 | .5185829 | 2.512914 | 260.3108 | 15.03864 | 2.486693 |
| #2 | 9.863707 | .5192465 | 2.516507 | 259.6660 | 15.14520 | 2.488772 |
| #3 | 9.869191 | .5175519 | 2.534032 | 259.5305 | 15.10258 | 2.505530 |

|        |          |            |          |            |          |          |
|--------|----------|------------|----------|------------|----------|----------|
| Elem   | Cu3247   | Fe2598     | Mn2576   | Mg2790     | Ni2316   | Ag3280   |
| Units  | ppm      | ppm        | ppm      | ppm        | ppm      | ppm      |
| Avg    | 14.65542 | F 177.9510 | 14.59828 | F 269.5584 | 2.497716 | 1.159516 |
| Stddev | .01792   | 2.0693     | .05674   | 2.6701     | .014389  | .004103  |
| %RSD   | .1222984 | 1.162827   | .3887011 | .9905645   | .5761016 | .3538935 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 14.64366 | 176.7749 | 14.64209 | 267.8904 | 2.487229 | 1.159906 |
| #2 | 14.64656 | 176.7378 | 14.61856 | 268.1467 | 2.491798 | 1.155231 |
| #3 | 14.67605 | 180.3403 | 14.53418 | 272.6381 | 2.514121 | 1.163410 |

|        |            |          |          |          |            |          |
|--------|------------|----------|----------|----------|------------|----------|
| Elem   | Na8183     | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496   |
| Units  | ppm        | ppm      | ppm      | ppm      | ppm        | ppm      |
| Avg    | F 171.3775 | 2.533579 | 14.66636 | 152.5245 | F 6.835180 | 5.167314 |
| Stddev | .7814      | .041388  | .09180   | .4696    | .038062    | .006795  |
| %RSD   | .4559751   | 1.633594 | .6259209 | .3079051 | .5568475   | .1314976 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 171.3194 | 2.517729 | 14.61643 | 152.3114 | 6.821823 | 5.174227 |
| #2 | 170.6267 | 2.502459 | 14.61035 | 152.1992 | 6.805598 | 5.160643 |
| #3 | 172.1863 | 2.580550 | 14.77230 | 153.0629 | 6.878120 | 5.167072 |

Sample Name: CCV006      Acquired: 6/4/2018 18:37:03      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCV006      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.022518 | 5.199177 | 5.213191 | 5.064510 | 5.039328 | 5.018510 |
| Stddev | .020816  | .036233  | .018974  | .034271  | .018950  | .005460  |
| %RSD   | .4144591 | .6969023 | .3639545 | .6766871 | .3760372 | .1087916 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 5.006275 | 5.187333 | 5.235069 | 5.040691 | 5.031651 | 5.019735 |
| #2 | 5.015296 | 5.170348 | 5.203275 | 5.049051 | 5.025420 | 5.012541 |
| #3 | 5.045984 | 5.239850 | 5.201231 | 5.103787 | 5.060911 | 5.023253 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 5.056095 |
| Stddev | .010662  |
| %RSD   | .2108750 |

|    |          |
|----|----------|
| #1 | 5.050724 |
| #2 | 5.049187 |
| #3 | 5.068375 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2236.964 | 2887.066 | 45110.67 | 8214.979 | 3472.652 |
| Stddev    | 1.973    | 3.616    | 113.84   | 24.097   | 9.049    |
| %RSD      | .0882168 | .1252422 | .2523611 | .2933320 | .2605890 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2235.153 | 2890.292 | 45181.59 | 8194.961 | 3479.731 |
| #2 | 2236.671 | 2887.747 | 44979.36 | 8241.725 | 3475.768 |
| #3 | 2239.067 | 2883.158 | 45171.06 | 8208.250 | 3462.456 |

Sample Name: CCB006      Acquired: 6/4/2018 18:40:51      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
User: JASWAL      Custom ID1: CCB006      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0008156 | .0020678 | -.000608 | .0007353 | -.001215 | .0062489 | .0000232 |
| Stddev | .0041947 | .0025697 | .000263  | .0036184 | .001164  | .0086734 | .0006448 |
| %RSD   | 514.3223 | 124.2754 | 43.30707 | 492.1163 | 95.79972 | 138.7986 | 2784.242 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0049266 | .0008497 | -.000905 | -.003402 | -.000106 | -.000586 | -.000340 |
| #2 | -.003458 | .0003336 | -.000404 | .002301  | -.002427 | .016006  | .000768  |
| #3 | .000978  | .0050201 | -.000515 | .003307  | -.001111 | .003327  | -.000358 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0001312 | .0000618 | -.000354 | .0001676 | -.000033 | -.000123 | -.009544 |
| Stddev | .0000369 | .0000112 | .002455  | .0002330 | .000057  | .000801  | .014723  |
| %RSD   | 28.08413 | 18.17069 | 693.1378 | 138.9988 | 170.3451 | 652.7130 | 154.2705 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0001468 | .0000514 | .001796  | .0000649 | .000002  | .000573  | .006223  |
| #2 | .0000891 | .0000737 | -.003029 | .0000037 | -.000003 | -.000998 | -.011920 |
| #3 | .0001577 | .0000604 | .000170  | .0004343 | -.000099 | .000057  | -.022934 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0001787 | .0042449 | .0007520 | .0005158 | .0217862 | .0030454 | -.000500 |
| Stddev | .0002906 | .0194748 | .0003498 | .0002456 | .0229556 | .0042062 | .003704  |
| %RSD   | 162.5857 | 458.7772 | 46.51548 | 47.62475 | 105.3677 | 138.1157 | 740.2922 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0003871 | .0036041 | .0010531 | .0005833 | .0202111 | .0069012 | .000933  |
| #2 | .0003024 | -.014902 | .0003683 | .0002434 | .0454888 | -.001440 | .002272  |
| #3 | -.000153 | .024032  | .0008347 | .0007206 | -.000341 | .003675  | -.004707 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.133373 | -.001316 | .0013407 | .0001347 | .0033735 | -.000782 | .0005131 |
| Stddev | .018546  | .000085  | .0003098 | .0001735 | .0045178 | .000598  | .0006777 |
| %RSD   | 13.90519 | 6.490275 | 23.10645 | 128.8406 | 133.9195 | 76.56163 | 132.0611 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.140291 | -.001327 | .0016964 | .0002506 | .0014363 | -.001254 | -.000245 |
| #2 | -.112363 | -.001395 | .0011298 | -.000065 | .0085369 | -.000982 | .001061  |
| #3 | -.147466 | -.001225 | .0011960 | .000218  | .0001474 | -.000109 | .000723  |

Sample Name: CCB006      Acquired: 6/4/2018 18:40:51      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v550)      Mode: CONC      Corr. Factor: 1.000000  
 User: JASWAL      Custom ID1: CCB006      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000113 | -.000522 | .0000872 |
| Stddev | .000721  | .000184  | .0000350 |
| %RSD   | 640.5592 | 35.16134 | 40.14779 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .000625  | -.000321 | .0001250 |
| #2 | -.000816 | -.000680 | .0000809 |
| #3 | -.000146 | -.000565 | .0000558 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2536.199 | 3266.073 | 49334.60 | 8510.258 | 4277.968 |
| Stddev    | 18.564   | 24.440   | 87.11    | 55.988   | 35.347   |
| %RSD      | .7319627 | .7482944 | .1765703 | .6578872 | .8262510 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2557.363 | 3294.021 | 49327.11 | 8485.550 | 4318.636 |
| #2 | 2522.673 | 3248.707 | 49251.47 | 8470.875 | 4260.633 |
| #3 | 2528.560 | 3255.493 | 49425.21 | 8574.350 | 4254.635 |