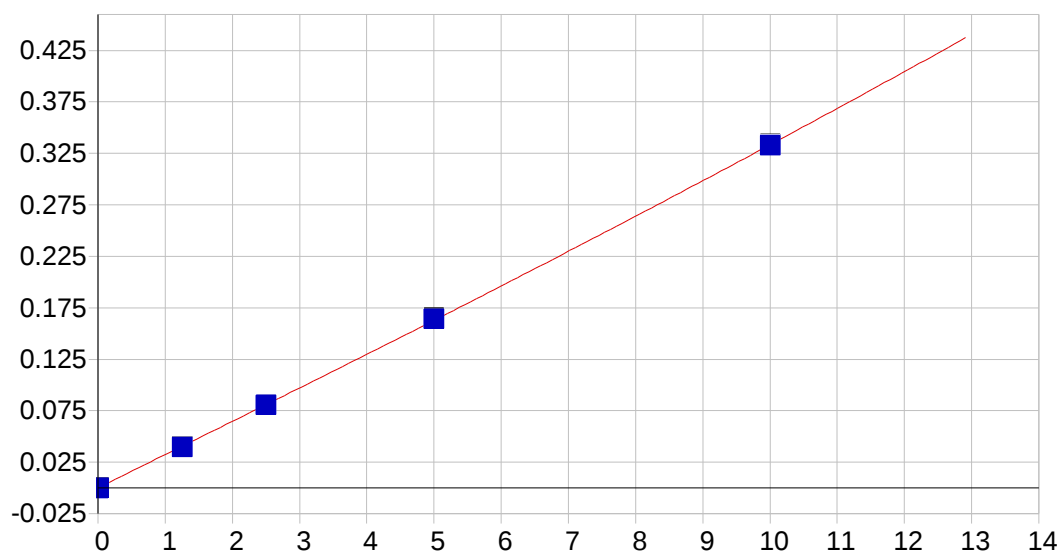




As 189.042 {479}

Date of Fit: 6/8/2018 17:49:52

Type of Fit: Full Fit

Weighting: 1/Conc

A0 (Offset): -0.000226

Re-Slope: 1.000000

A1 (Gain): 0.032369

Y-int: 0.000000

A2 (Curvature): 0.000269

n (Exponent): 0.980000

Correlation: 0.999957

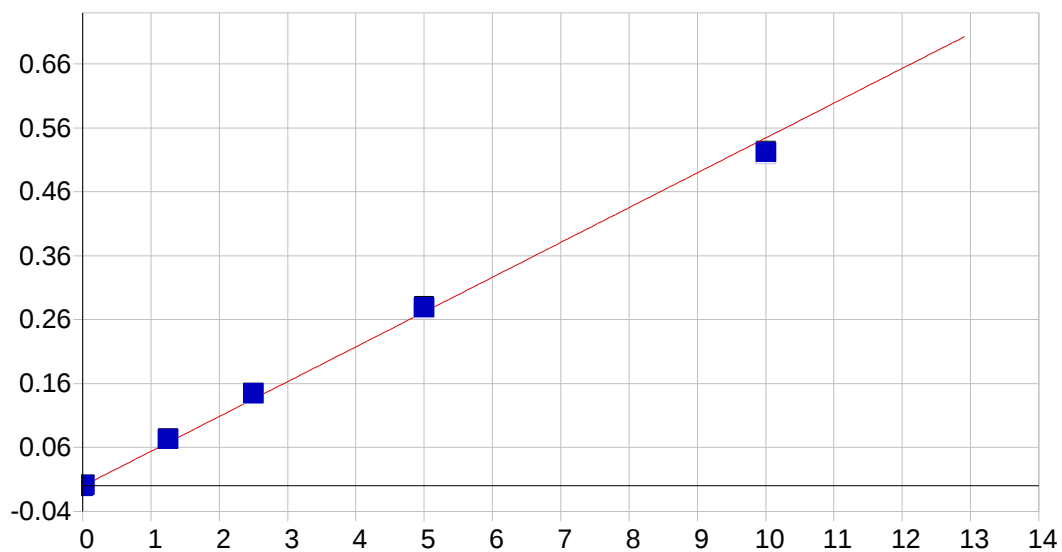
Status: Warning Positive Curvature

Std Error of Est: 0.000007

Predicted MDL: 0.003982

Predicted MQL: 0.013273

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00023 | .000    | 1        |
| S1        | .01000       | .01282      | .003       | 28.2    | .00023  | .000    | 1        |
| S2        | 1.2500       | 1.2264      | -.024      | -1.89   | .03981  | .000    | 1        |
| S3        | 2.5000       | 2.4975      | -.002      | -.099   | .08096  | .000    | 1        |
| S4        | 5.0000       | 5.0385      | .038       | .769    | .16445  | .001    | 1        |
| S5        | 10.000       | 9.9848      | -.015      | -.152   | .33363  | .001    | 1        |

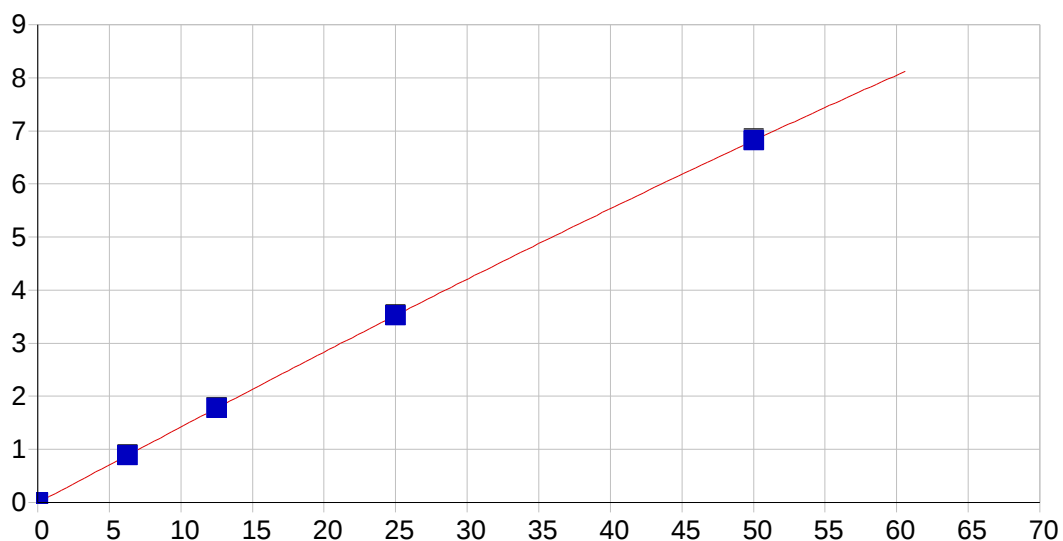


TI 190.856 {477}

Date of Fit: 6/8/2018 17:49:52 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000294 Re-Slope: 1.000000  
 A1 (Gain): 0.054458 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.998930 Status: OK.  
 Std Error of Est: 0.000066  
 Predicted MDL: 0.001964  
 Predicted MQL: 0.006547

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | .000       | .000    | -.00029 | .000    | 1        |
| S1        | .02500       | .02735      | .002       | 9.39    | .00118  | .000    | 1        |
| S2        | 1.2500       | 1.3531      | .103       | 8.25    | .07298  | .001    | 1        |
| S3        | 2.5000       | 2.6626      | .163       | 6.51    | .14388  | .000    | 1        |
| S4        | 5.0000       | 5.1390      | .139       | 2.78    | .27792  | .001    | 1        |
| S5        | 10.000       | 9.5929      | -.407      | -4.07   | .51883  | .002    | 1        |

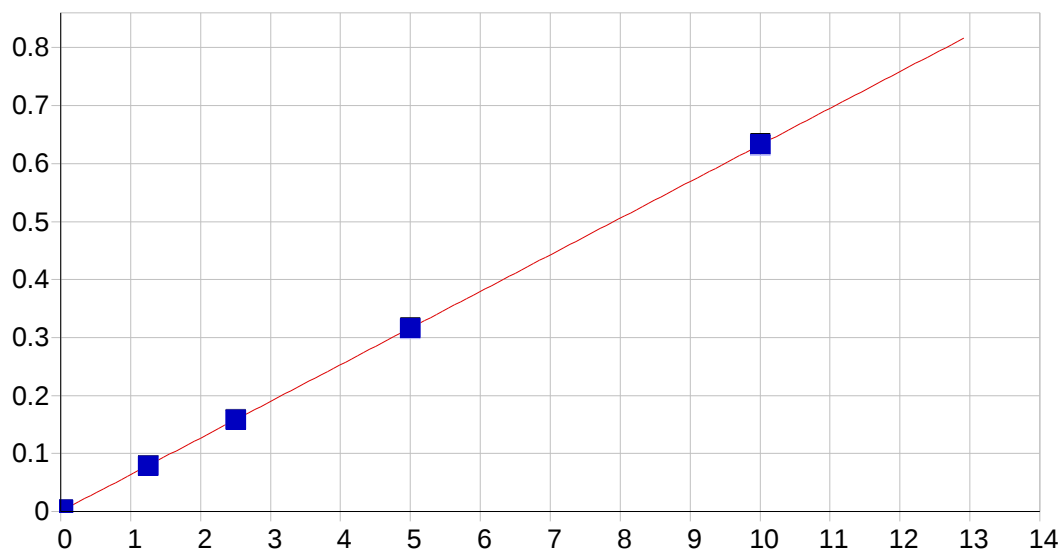


Pb 220.353 {453}

Date of Fit: 6/8/2018 17:49:52 Type of Fit: Full Fit Weighting: 1/Conc

A0 (Offset): 0.000149 Re-Slope: 1.000000  
 A1 (Gain): 0.138108 Y-int: 0.000000  
 A2 (Curvature): -0.000223  
 n (Exponent): 1.020000  
 Correlation: 0.999997 Status: OK.  
 Std Error of Est: 0.000019  
 Predicted MDL: 0.001683  
 Predicted MQL: 0.005611

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00015 | .000    | 1        |
| S1        | .01000       | .00755      | -.002      | -24.5   | .00110 | .000    | 1        |
| S2        | 6.2500       | 6.2736      | .024       | .378    | .89093 | .004    | 1        |
| S3        | 12.500       | 12.493      | -.007      | -.055   | 1.7792 | .009    | 1        |
| S4        | 25.000       | 24.973      | -.027      | -.109   | 3.5258 | .009    | 1        |
| S5        | 50.000       | 50.013      | .013       | .026    | 6.8292 | .024    | 1        |



Date of Fit: 6/8/2018 17:49:52

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000344

Re-Slope: 1.000000

A1 (Gain): 0.063187

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999998

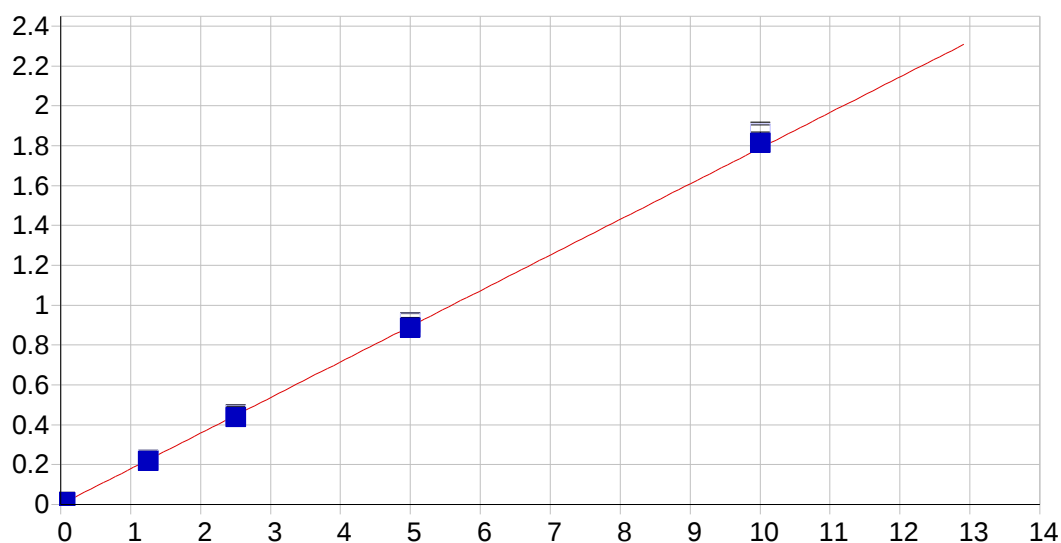
Status: OK.

Std Error of Est: 0.000004

Predicted MDL: 0.003149

Predicted MQL: 0.010497

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00034 | .000    | 1        |
| S1        | .03500       | .03438      | -.001      | -1.77   | .00251 | .000    | 1        |
| S2        | 1.2500       | 1.2442      | -.006      | -.467   | .07859 | .000    | 1        |
| S3        | 2.5000       | 2.5006      | .001       | .024    | .15761 | .001    | 1        |
| S4        | 5.0000       | 4.9904      | -.010      | -.192   | .31419 | .002    | 1        |
| S5        | 10.000       | 10.015      | .015       | .154    | .63023 | .002    | 1        |

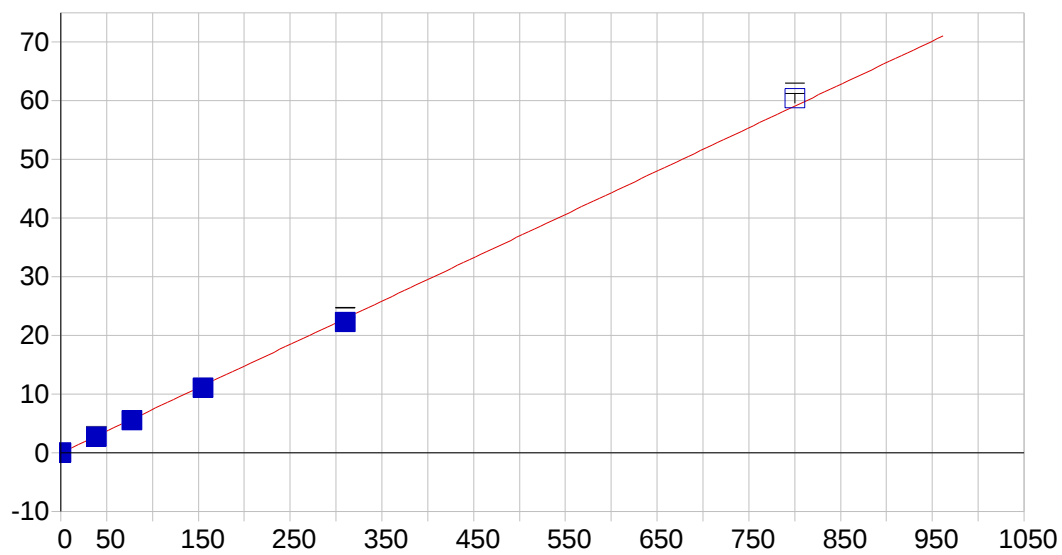


Sb 206.833 {463}

Date of Fit: 6/8/2018 17:49:52 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000340 Re-Slope: 1.000000  
 A1 (Gain): 0.178768 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999875 Status: OK.  
 Std Error of Est: 0.000120  
 Predicted MDL: 0.001446  
 Predicted MQL: 0.004820

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00034 | .000    | 1        |
| S1        | .06000       | .06046      | .000       | .766    | .01115 | .000    | 1        |
| S2        | 1.2500       | 1.2090      | -.041      | -3.28   | .22256 | .001    | 1        |
| S3        | 2.5000       | 2.4424      | -.058      | -2.31   | .44913 | .002    | 1        |
| S4        | 5.0000       | 4.9585      | -.042      | -.831   | .91110 | .003    | 1        |
| S5        | 10.000       | 10.140      | .140       | 1.40    | 1.8617 | .007    | 1        |



AI 396.152 { 85 }

Date of Fit: 6/8/2018 17:49:52

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000327

Re-Slope: 1.000000

A1 (Gain): 0.073876

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999634

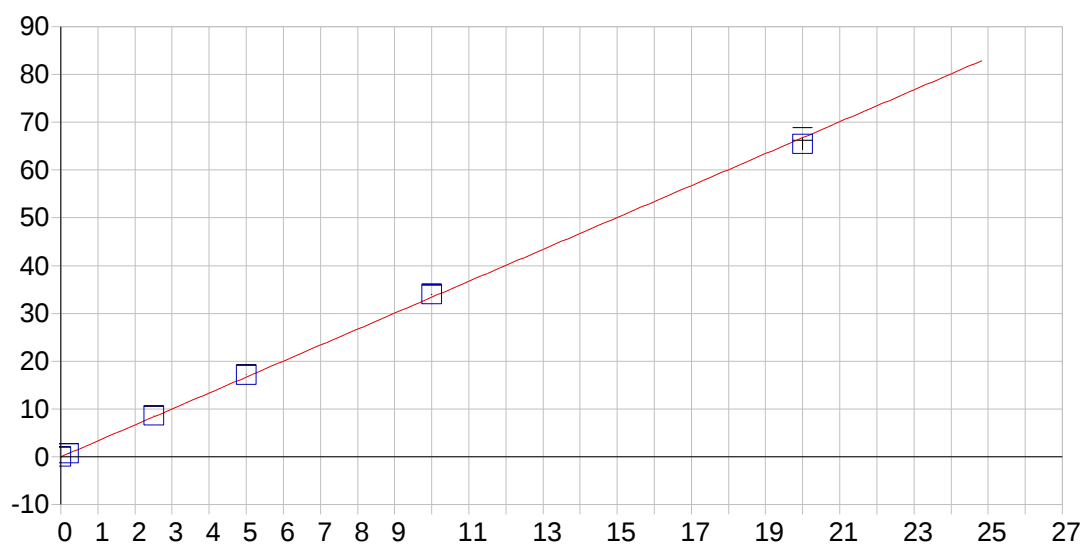
Status: OK.

Std Error of Est: 0.001243

Predicted MDL: 0.008942

Predicted MQL: 0.029806

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00033 | .001    | 1        |
| S1        | .20000       | .22309      | .023       | 11.5    | .01683 | .001    | 1        |
| S2        | 38.750       | 37.255      | -1.49      | -3.86   | 2.7553 | .014    | 1        |
| S3        | 77.500       | 74.517      | -2.98      | -3.85   | 5.5107 | .021    | 1        |
| S4        | 155.00       | 150.01      | -4.99      | -3.22   | 11.093 | .014    | 1        |
| S5        | 310.00       | 301.11      | -8.89      | -2.87   | 22.266 | .810    | 1        |
| S6        | 800.00       | 818.36      | 18.4       | 2.29    | 60.458 | .915    | 1        |

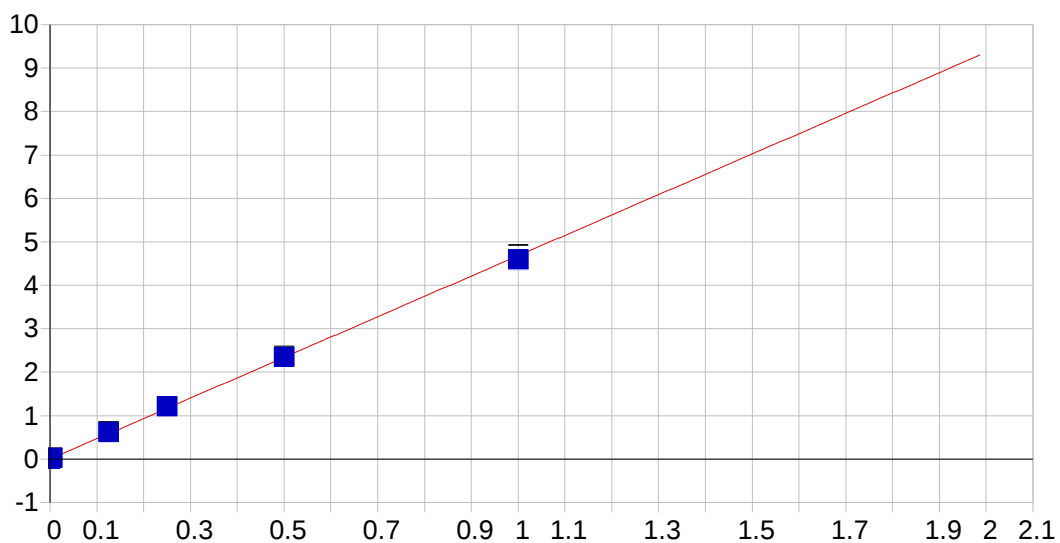


Ba 493.409 { 68}

Date of Fit: 6/8/2018 17:49:52 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.021549 Re-Slope: 1.000000  
 A1 (Gain): 3.339366 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999774 Status: OK.  
 Std Error of Est: 0.007543  
 Predicted MDL: 0.000620  
 Predicted MQL: 0.002067

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00002     | .000       | .000    | -.02161 | .000    | 1        |
| S1        | .20000       | .20852      | .009       | 4.26    | .67476  | .007    | 1        |
| S2        | 2.5000       | 2.5682      | .068       | 2.73    | 8.5546  | .026    | 1        |
| S3        | 5.0000       | 5.1421      | .142       | 2.84    | 17.150  | .020    | 1        |
| S4        | 10.000       | 10.174      | .174       | 1.74    | 33.954  | .144    | 1        |
| S5        | 20.000       | 19.607      | -.393      | -1.97   | 65.453  | 1.32    | 1        |



Be 234.861 {144}

Date of Fit: 6/8/2018 17:49:52

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.001604

Re-Slope: 1.000000

A1 (Gain): 4.683293

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999683

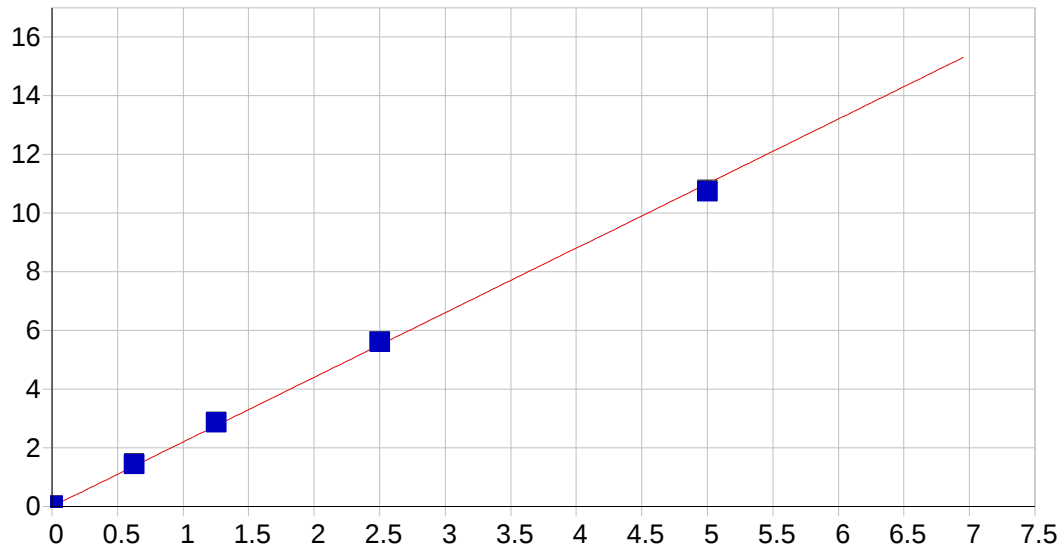
Status: OK.

Std Error of Est: 0.000441

Predicted MDL: 0.000070

Predicted MQL: 0.000232

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00161 | .000    | 1        |
| S1        | .00500       | .00534      | .000       | 6.79    | .02338  | .001    | 1        |
| S2        | .12500       | .13233      | .007       | 5.86    | .61556  | .008    | 1        |
| S3        | .25000       | .25920      | .009       | 3.68    | 1.2072  | .000    | 1        |
| S4        | .50000       | .50256      | .003       | .512    | 2.3418  | .019    | 1        |
| S5        | 1.0000       | .98058      | -.019      | -1.94   | 4.5702  | .122    | 1        |



Cd 214.438 {457}

Date of Fit: 6/8/2018 17:49:52

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000396

Re-Slope: 1.000000

A1 (Gain): 2.201756

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999612

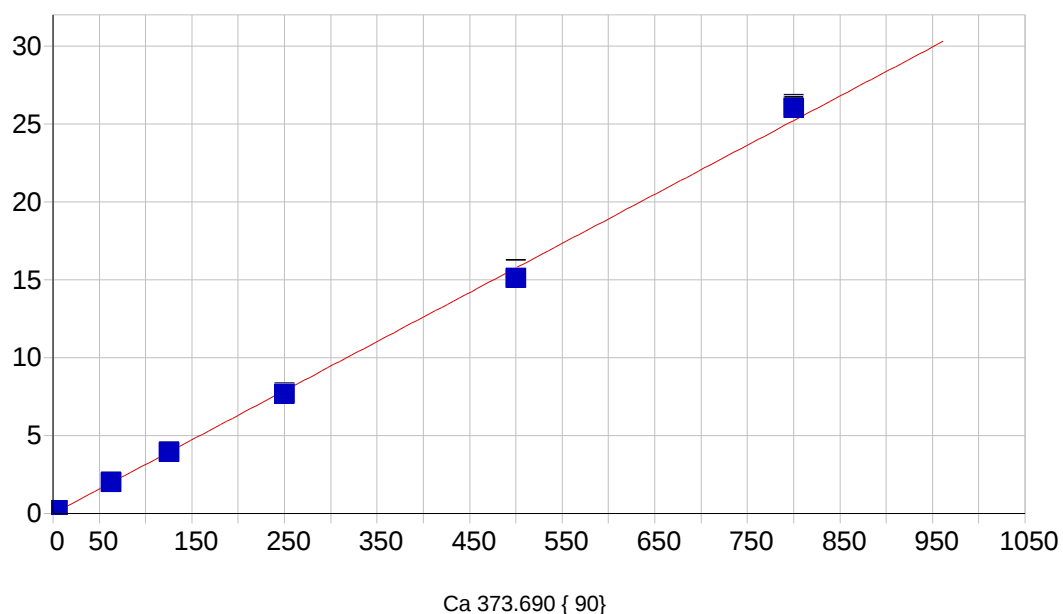
Status: OK.

Std Error of Est: 0.000516

Predicted MDL: 0.000083

Predicted MQL: 0.000276

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00039 | .000    | 1        |
| S1        | .00500       | .00536      | .000       | 7.16    | .01220 | .000    | 1        |
| S2        | .62500       | .65433      | .029       | 4.69    | 1.4439 | .006    | 1        |
| S3        | 1.2500       | 1.2993      | .049       | 3.95    | 2.8668 | .007    | 1        |
| S4        | 2.5000       | 2.5460      | .046       | 1.84    | 5.6174 | .016    | 1        |
| S5        | 5.0000       | 4.8750      | -.125      | -2.50   | 10.757 | .041    | 1        |



Date of Fit: 6/8/2018 17:49:52

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.001050

Re-Slope: 1.000000

A1 (Gain): 0.031510

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999458

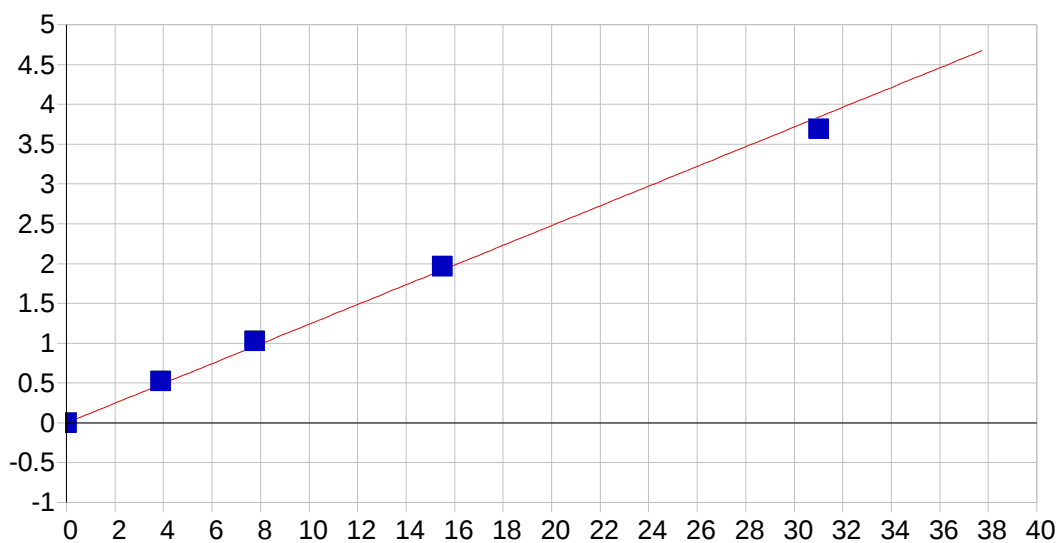
Status: OK.

Std Error of Est: 0.003640

Predicted MDL: 0.014671

Predicted MQL: 0.048903

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00017     | .000       | .000    | .00104 | .000    | 1        |
| S1        | 5.0000       | 5.2778      | .278       | 5.56    | .16737 | .001    | 1        |
| S2        | 62.500       | 63.373      | .873       | 1.40    | 2.0050 | .006    | 1        |
| S3        | 125.00       | 124.74      | -.265      | -.212   | 3.9455 | .011    | 1        |
| S4        | 250.00       | 243.87      | -6.13      | -2.45   | 7.7136 | .027    | 1        |
| S5        | 500.00       | 479.06      | -20.9      | -4.19   | 15.153 | .518    | 1        |
| S6        | 800.00       | 826.12      | 26.1       | 3.27    | 26.182 | .093    | 1        |

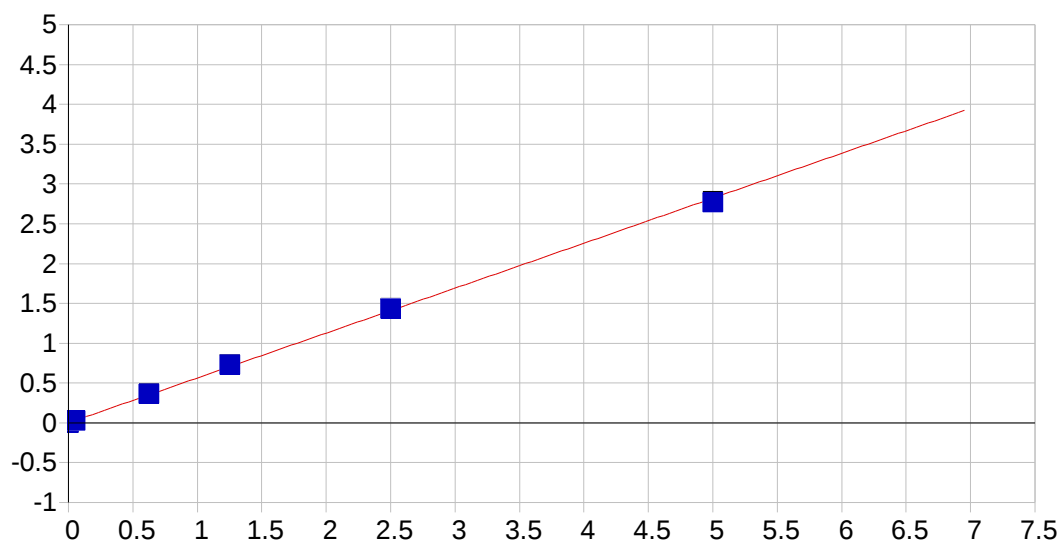


Cr 267.716 {126}

Date of Fit: 6/8/2018 17:49:52 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000018 Re-Slope: 1.000000  
 A1 (Gain): 0.123849 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.998964 Status: OK.  
 Std Error of Est: 0.000167  
 Predicted MDL: 0.000446  
 Predicted MQL: 0.001487

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00002 | .000    | 1        |
| S1        | .01000       | .01186      | .002       | 18.6    | .00145  | .000    | 1        |
| S2        | 3.8750       | 4.2221      | .347       | 8.96    | .52373  | .000    | 1        |
| S3        | 7.7500       | 8.2695      | .519       | 6.70    | 1.0258  | .001    | 1        |
| S4        | 15.500       | 15.842      | .342       | 2.21    | 1.9654  | .002    | 1        |
| S5        | 31.000       | 29.789      | -1.21      | -3.91   | 3.6961  | .002    | 1        |



Co 228.616 {448}

Date of Fit: 6/8/2018 17:49:52

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000256

Re-Slope: 1.000000

A1 (Gain): 0.564141

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999773

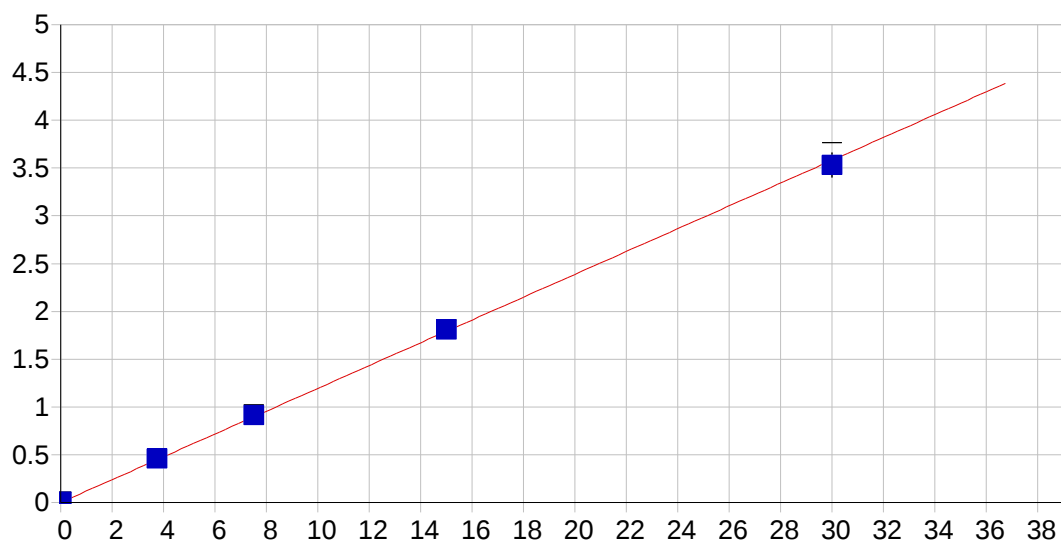
Status: OK.

Std Error of Est: 0.000320

Predicted MDL: 0.000277

Predicted MQL: 0.000924

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00026 | .000    | 1        |
| S1        | .05000       | .05036      | .000       | .725    | .02826  | .000    | 1        |
| S2        | .62500       | .64156      | .017       | 2.65    | .36237  | .001    | 1        |
| S3        | 1.2500       | 1.2881      | .038       | 3.05    | .72782  | .002    | 1        |
| S4        | 2.5000       | 2.5435      | .043       | 1.74    | 1.4374  | .004    | 1        |
| S5        | 5.0000       | 4.9015      | -.098      | -1.97   | 2.7705  | .011    | 1        |



Cu 324.754 {104}

Date of Fit: 6/8/2018 17:49:52

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000338

Re-Slope: 1.000000

A1 (Gain): 0.119360

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999878

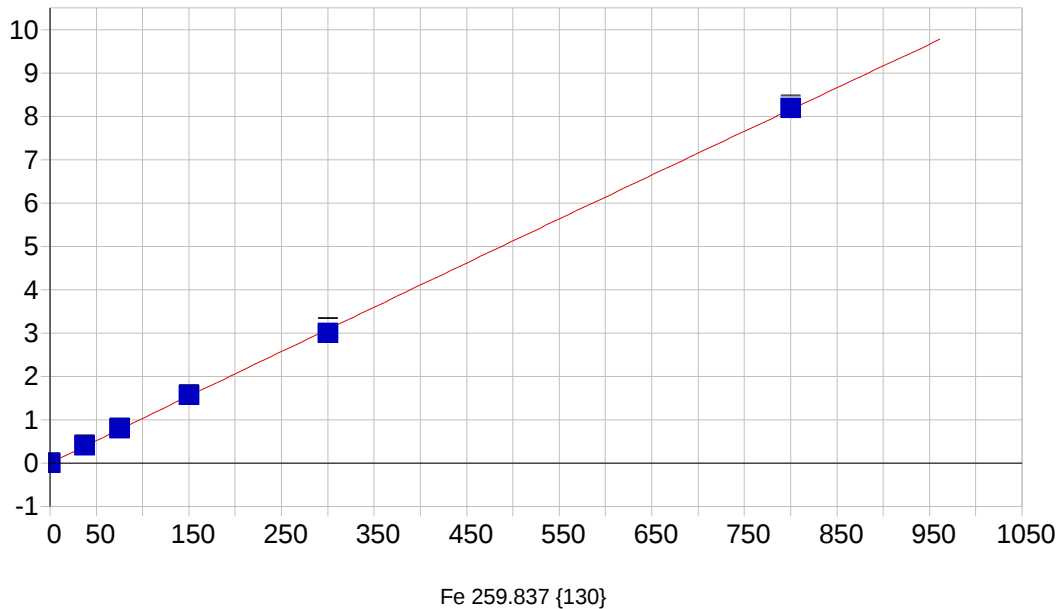
Status: OK.

Std Error of Est: 0.000086

Predicted MDL: 0.002851

Predicted MQL: 0.009504

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00034 | .000    | 1        |
| S1        | .02500       | .02707      | .002       | 8.27    | .00356 | .000    | 1        |
| S2        | 3.7500       | 3.8612      | .111       | 2.97    | .46093 | .001    | 1        |
| S3        | 7.5000       | 7.6603      | .160       | 2.14    | .91411 | .002    | 1        |
| S4        | 15.000       | 15.136      | .136       | .910    | 1.8059 | .001    | 1        |
| S5        | 30.000       | 29.590      | -.410      | -1.37   | 3.5300 | .130    | 1        |



Date of Fit: 6/8/2018 17:49:52

Type of Fit: Curvilinear

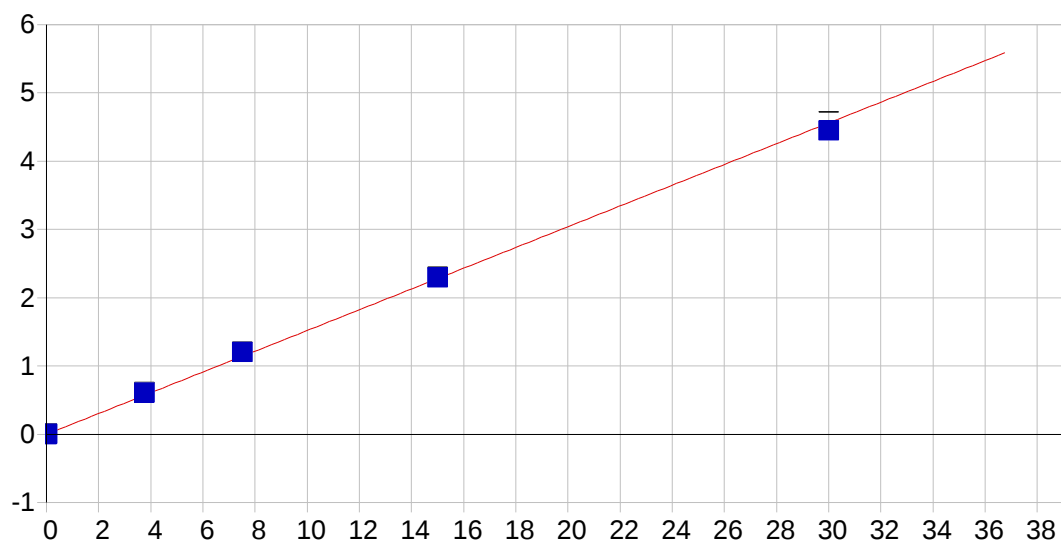
Weighting: 1/Conc

A0 (Offset): 0.000061  
 A1 (Gain): 0.010337  
 A2 (Curvature): -0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.999827  
 Std Error of Est: 0.000093  
 Predicted MDL: 0.013606  
 Predicted MQL: 0.045354

Re-Slope: 1.000000  
 Y-int: 0.000000

Status: OK.

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00004     | .000       | .000    | .00006 | .000    | 1        |
| S1        | .10000       | .12916      | .029       | 29.2    | .00142 | .000    | 1        |
| S2        | 37.500       | 39.437      | 1.94       | 5.16    | .40951 | .005    | 1        |
| S3        | 75.000       | 77.482      | 2.48       | 3.31    | .80406 | .008    | 1        |
| S4        | 150.00       | 151.62      | 1.62       | 1.08    | 1.5715 | .005    | 1        |
| S5        | 300.00       | 291.24      | -8.76      | -2.92   | 3.0120 | .118    | 1        |
| S6        | 800.00       | 802.70      | 2.70       | .338    | 8.2200 | .046    | 1        |



Mn 257.610 {131}

Date of Fit: 6/8/2018 17:49:52

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000053

Re-Slope: 1.000000

A1 (Gain): 0.152047

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999489

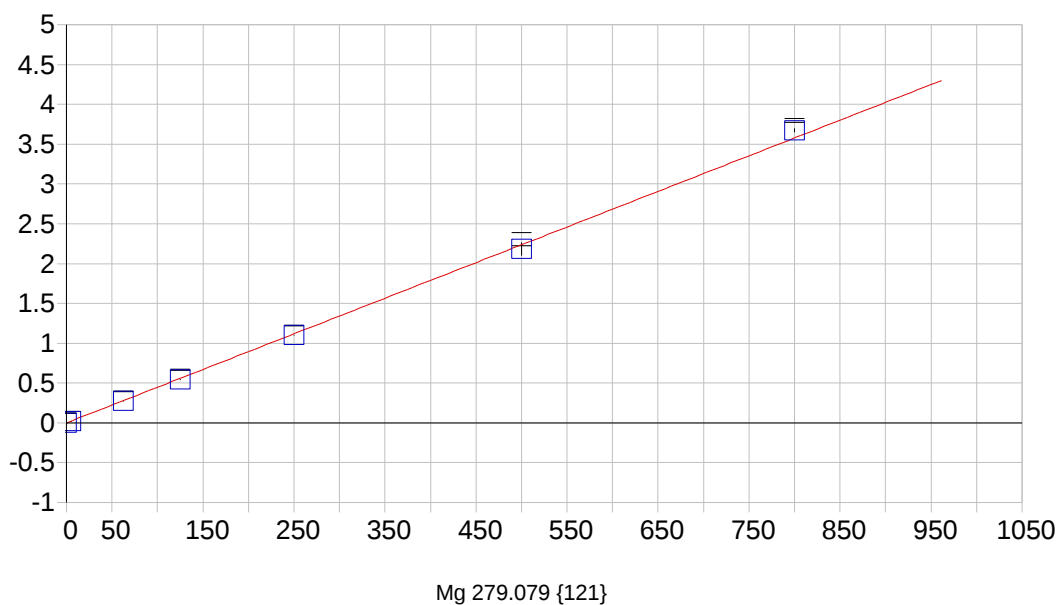
Status: OK.

Std Error of Est: 0.000173

Predicted MDL: 0.000930

Predicted MQL: 0.003100

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00005 | .000    | 1        |
| S1        | .01500       | .01764      | .003       | 17.6    | .00263  | .000    | 1        |
| S2        | 3.7500       | 4.0111      | .261       | 6.96    | .60995  | .002    | 1        |
| S3        | 7.5000       | 7.8832      | .383       | 5.11    | 1.1988  | .000    | 1        |
| S4        | 15.000       | 15.102      | .102       | .680    | 2.2967  | .005    | 1        |
| S5        | 30.000       | 29.251      | -.749      | -2.50   | 4.4485  | .129    | 1        |



Date of Fit: 6/8/2018 17:49:52

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000181

Re-Slope: 1.000000

A1 (Gain): 0.004472

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999690

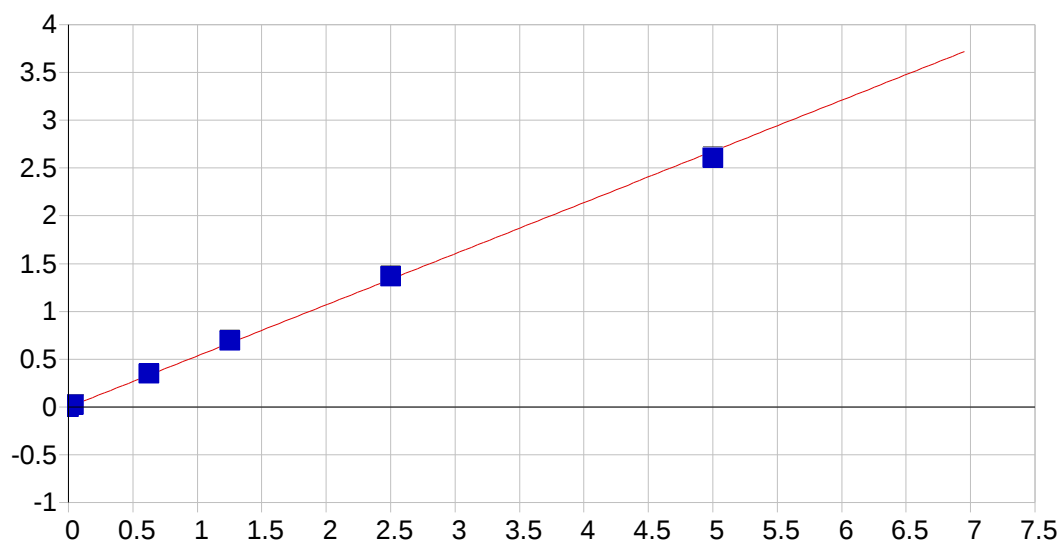
Status: OK.

Std Error of Est: 0.000389

Predicted MDL: 0.042452

Predicted MQL: 0.141508

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00035      | .000       | .000    | -.00018 | .000    | 1        |
| S1        | 5.0000       | 4.9888      | -.011      | -.223   | .02213  | .000    | 1        |
| S2        | 62.500       | 60.837      | -1.66      | -2.66   | .27188  | .004    | 1        |
| S3        | 125.00       | 121.76      | -3.24      | -2.59   | .54432  | .005    | 1        |
| S4        | 250.00       | 245.54      | -4.46      | -1.78   | 1.0979  | .003    | 1        |
| S5        | 500.00       | 487.86      | -12.1      | -2.43   | 2.1815  | .080    | 1        |
| S6        | 800.00       | 821.51      | 21.5       | 2.69    | 3.6736  | .022    | 1        |



Ni 231.604 {446}

Date of Fit: 6/8/2018 17:49:52

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.001221

Re-Slope: 1.000000

A1 (Gain): 0.535033

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999599

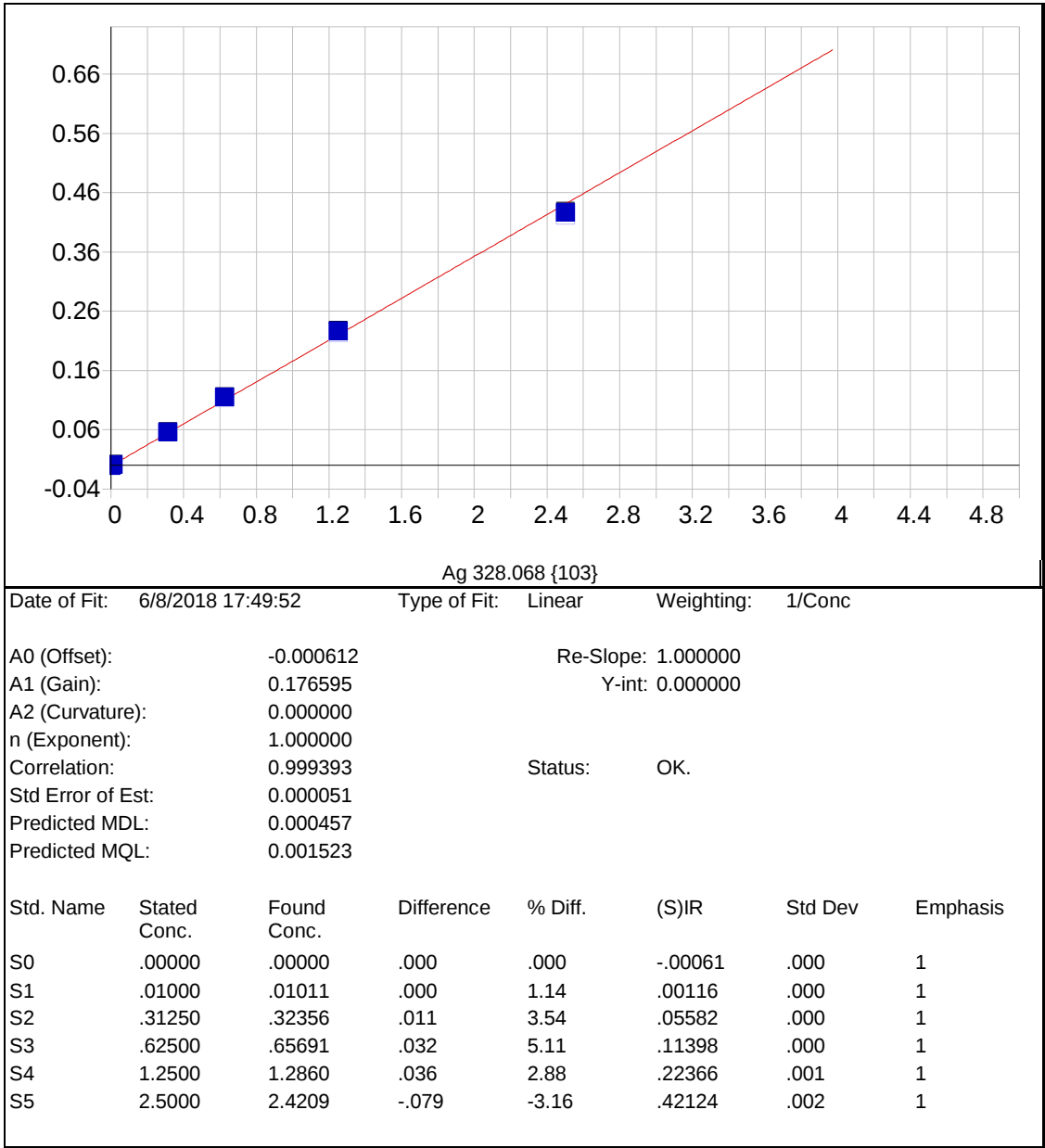
Status: OK.

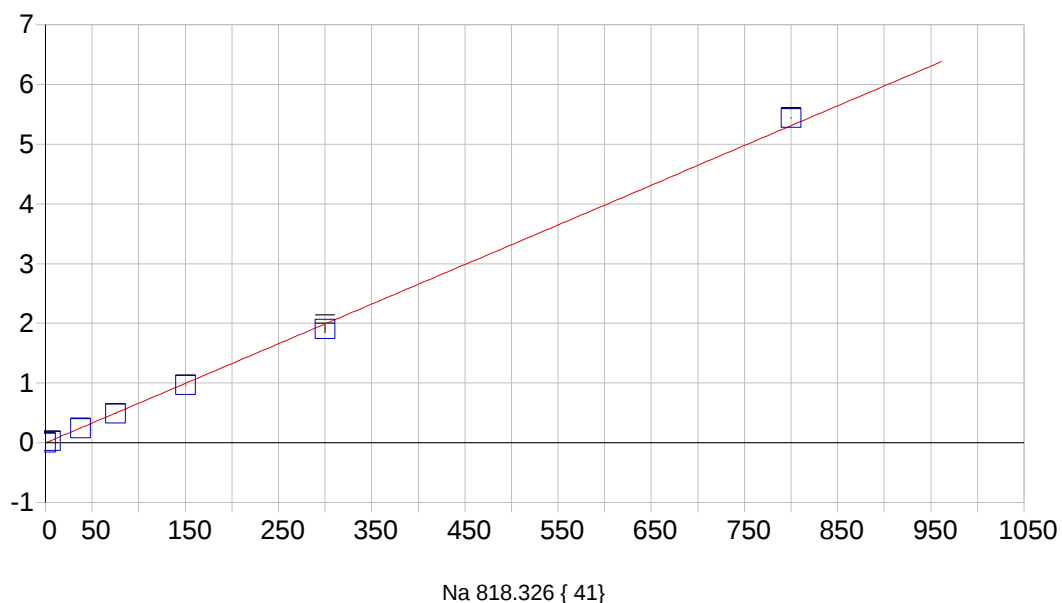
Std Error of Est: 0.000361

Predicted MDL: 0.000386

Predicted MQL: 0.001287

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | -.00001     | .000       | .000    | -.00122 | .000    | 1        |
| S1        | .04000       | .04223      | .002       | 5.57    | .02138  | .000    | 1        |
| S2        | .62500       | .65406      | .029       | 4.65    | .34941  | .001    | 1        |
| S3        | 1.2500       | 1.2966      | .047       | 3.73    | .69387  | .003    | 1        |
| S4        | 2.5000       | 2.5511      | .051       | 2.04    | 1.3665  | .004    | 1        |
| S5        | 5.0000       | 4.8710      | -.129      | -2.58   | 2.6104  | .008    | 1        |





Date of Fit: 6/8/2018 17:49:52

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000829

Re-Slope: 1.000000

A1 (Gain): 0.006636

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999542

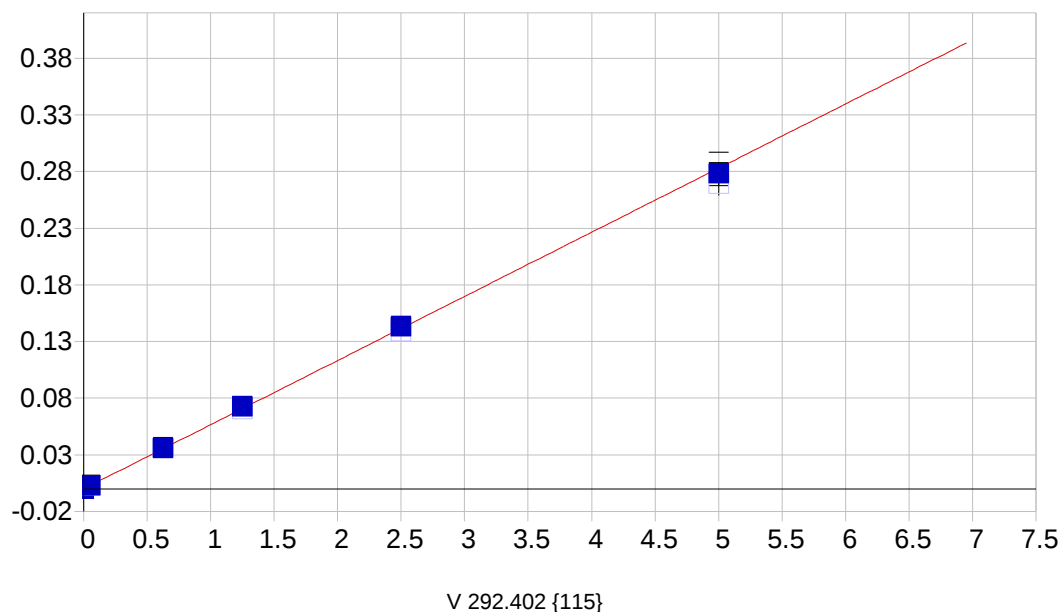
Status: OK.

Std Error of Est: 0.000621

Predicted MDL: 0.210594

Predicted MQL: 0.701981

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00044      | .000       | .000    | -.00083 | .000    | 1        |
| S1        | 5.0000       | 4.9949      | -.005      | -.102   | .03232  | .001    | 1        |
| S2        | 37.500       | 36.897      | -.603      | -1.61   | .24403  | .001    | 1        |
| S3        | 75.000       | 73.338      | -1.66      | -2.22   | .48586  | .002    | 1        |
| S4        | 150.00       | 145.41      | -4.59      | -3.06   | .96414  | .002    | 1        |
| S5        | 300.00       | 286.93      | -13.1      | -4.36   | 1.9033  | .068    | 1        |
| S6        | 800.00       | 819.93      | 19.9       | 2.49    | 5.4404  | .010    | 1        |



Date of Fit: 6/8/2018 17:49:52

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000022

Re-Slope: 1.000000

A1 (Gain): 0.056597

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999821

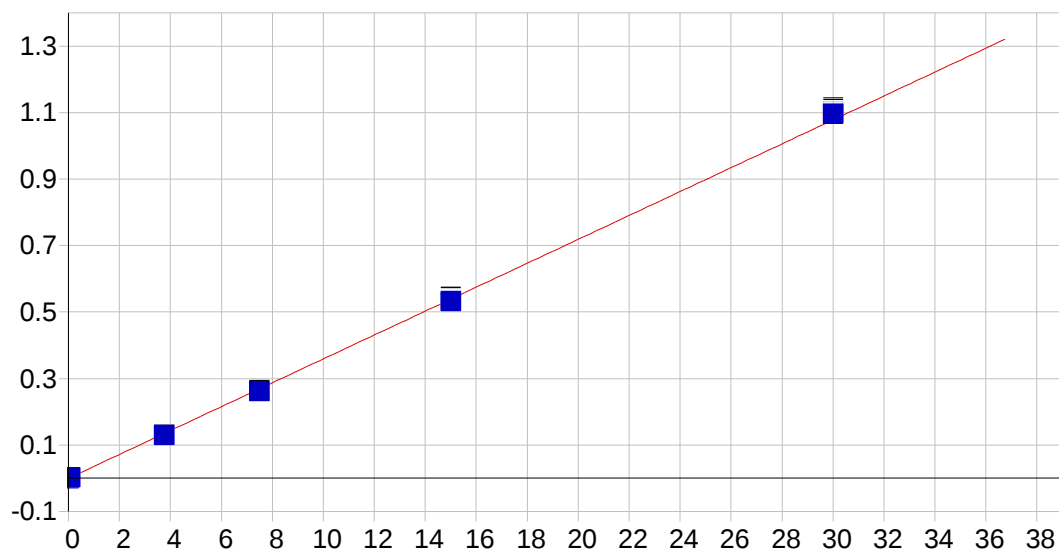
Status: OK.

Std Error of Est: 0.000028

Predicted MDL: 0.004099

Predicted MQL: 0.013665

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00002 | .000    | 1        |
| S1        | .05000       | .05256      | .003       | 5.11    | .00295  | .000    | 1        |
| S2        | .62500       | .64144      | .016       | 2.63    | .03512  | .000    | 1        |
| S3        | 1.2500       | 1.2826      | .033       | 2.61    | .07024  | .000    | 1        |
| S4        | 2.5000       | 2.5308      | .031       | 1.23    | .13855  | .000    | 1        |
| S5        | 5.0000       | 4.9175      | -.083      | -1.65   | .26896  | .010    | 1        |



Zn 213.856 {158}

Date of Fit: 6/8/2018 17:49:52

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): -0.000387

Re-Slope: 1.000000

A1 (Gain): 0.035943

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999794

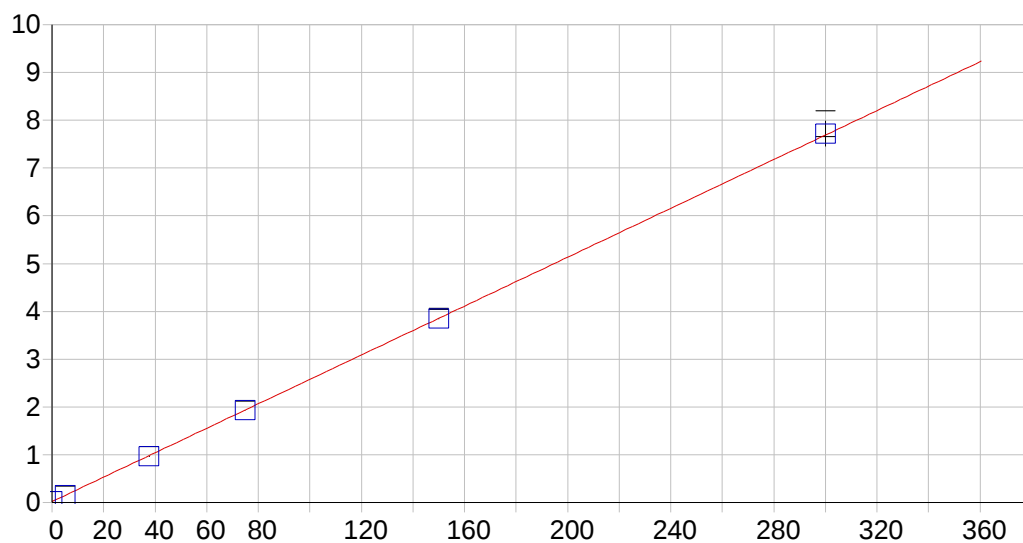
Status: OK.

Std Error of Est: 0.000052

Predicted MDL: 0.008749

Predicted MQL: 0.029165

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | -.00039 | .000    | 1        |
| S1        | .06000       | .06299      | .003       | 4.99    | .00189  | .000    | 1        |
| S2        | 3.7500       | 3.6244      | -.126      | -3.35   | .13052  | .000    | 1        |
| S3        | 7.5000       | 7.2625      | -.238      | -3.17   | .26192  | .002    | 1        |
| S4        | 15.000       | 14.827      | -.173      | -1.16   | .53506  | .010    | 1        |
| S5        | 30.000       | 30.534      | .534       | 1.78    | 1.1022  | .013    | 1        |



K 769.896 { 44}

Date of Fit: 6/8/2018 17:49:52

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.018776

Re-Slope: 1.000000

A1 (Gain): 0.025574

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999989

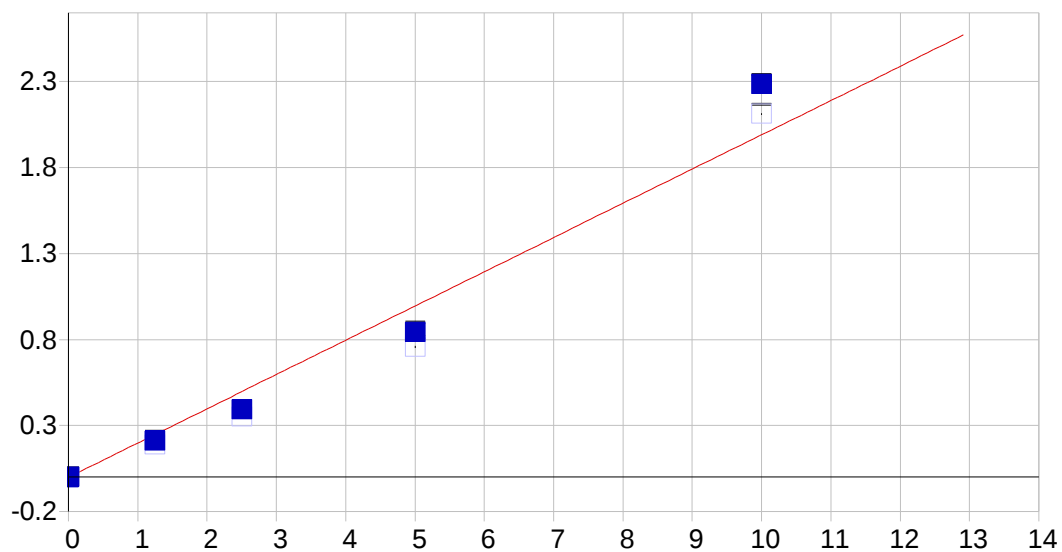
Status: OK.

Std Error of Est: 0.000249

Predicted MDL: 0.048900

Predicted MQL: 0.162999

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00014      | .000       | .000    | .01878 | .000    | 1        |
| S1        | 5.0000       | 4.9321      | -.068      | -1.36   | .14491 | .002    | 1        |
| S2        | 37.500       | 37.075      | -.425      | -1.13   | .96693 | .001    | 1        |
| S3        | 75.000       | 74.660      | -.340      | -.453   | 1.9281 | .006    | 1        |
| S4        | 150.00       | 149.66      | -.345      | -.230   | 3.8460 | .016    | 1        |
| S5        | 300.00       | 301.18      | 1.18       | .392    | 7.7210 | .270    | 1        |

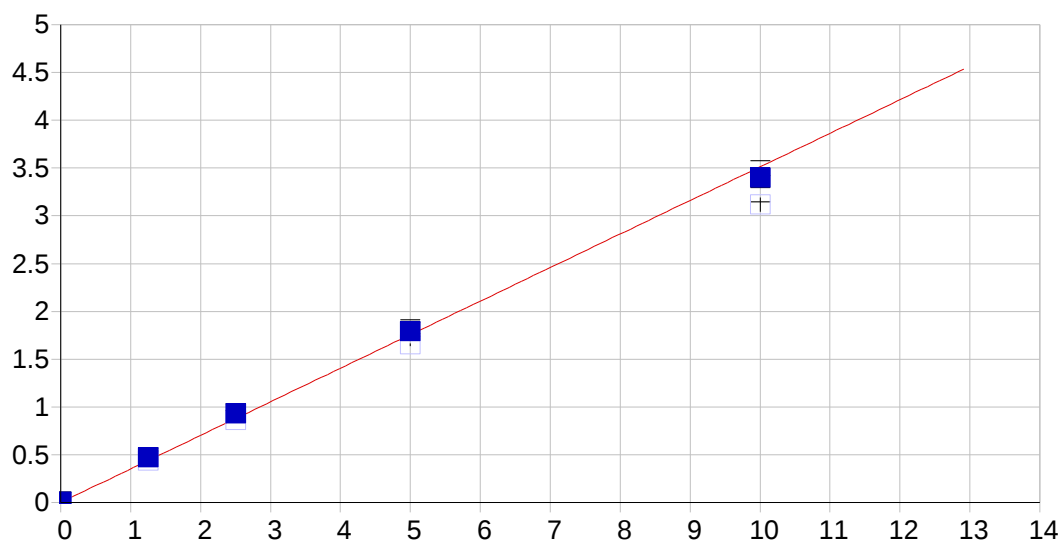


P 177.495 {490}

Date of Fit: 6/8/2018 17:49:52 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000898 Re-Slope: 1.000000  
 A1 (Gain): 0.199171 Y-int: 0.000000  
 A2 (Curvature): 0.000000  
 n (Exponent): 1.000000  
 Correlation: 0.985255 Status: OK.  
 Std Error of Est: 0.000530  
 Predicted MDL: 0.000376  
 Predicted MQL: 0.001254

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR   | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|---------|---------|----------|
| S0        | .00000       | .00001      | .000       | .000    | -.00090 | .000    | 1        |
| S1        | .01000       | .00245      | -.008      | -75.5   | -.00054 | .000    | 1        |
| S2        | 1.2500       | 1.0665      | -.184      | -14.7   | .19004  | .002    | 1        |
| S3        | 2.5000       | 1.9828      | -.517      | -20.7   | .35107  | .001    | 1        |
| S4        | 5.0000       | 4.2374      | -.763      | -15.3   | .75717  | .006    | 1        |
| S5        | 10.000       | 11.471      | 1.47       | 14.7    | 2.1120  | .005    | 1        |



B 249.678 {135}

Date of Fit: 6/8/2018 17:49:52

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000318

Re-Slope: 1.000000

A1 (Gain): 0.351174

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999140

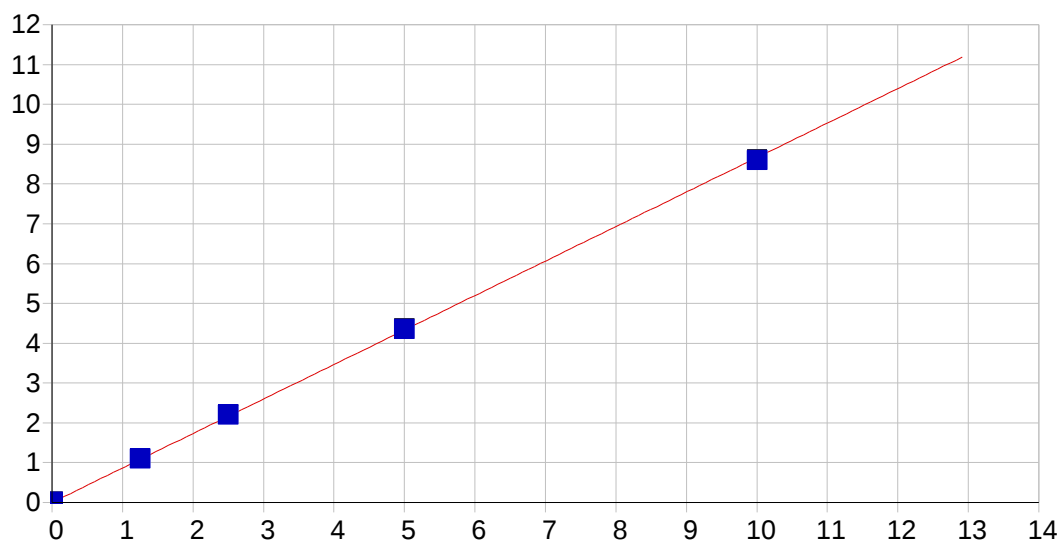
Status: OK.

Std Error of Est: 0.000225

Predicted MDL: 0.001054

Predicted MQL: 0.003515

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00032 | .000    | 1        |
| S1        | .01000       | .00924      | -.001      | -7.63   | .00349 | .000    | 1        |
| S2        | 1.2500       | 1.3342      | .084       | 6.73    | .43407 | .003    | 1        |
| S3        | 2.5000       | 2.6469      | .147       | 5.88    | .86031 | .002    | 1        |
| S4        | 5.0000       | 5.1011      | .101       | 2.02    | 1.6526 | .014    | 1        |
| S5        | 10.000       | 9.6686      | -.331      | -3.31   | 3.1175 | .077    | 1        |



Mo 202.030 {467}

Date of Fit: 6/8/2018 17:49:52

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000270

Re-Slope: 1.000000

A1 (Gain): 0.866217

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999954

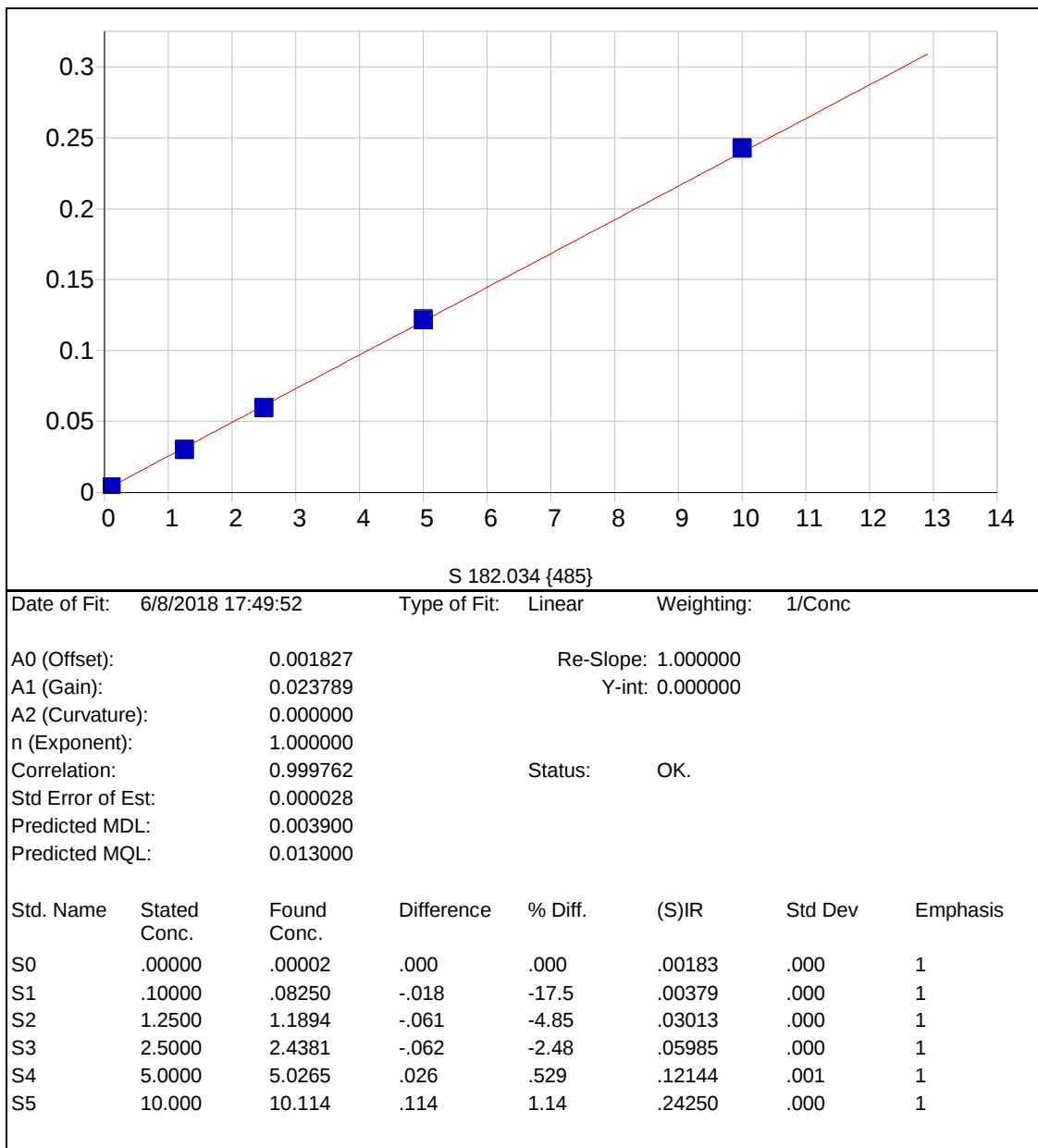
Status: OK.

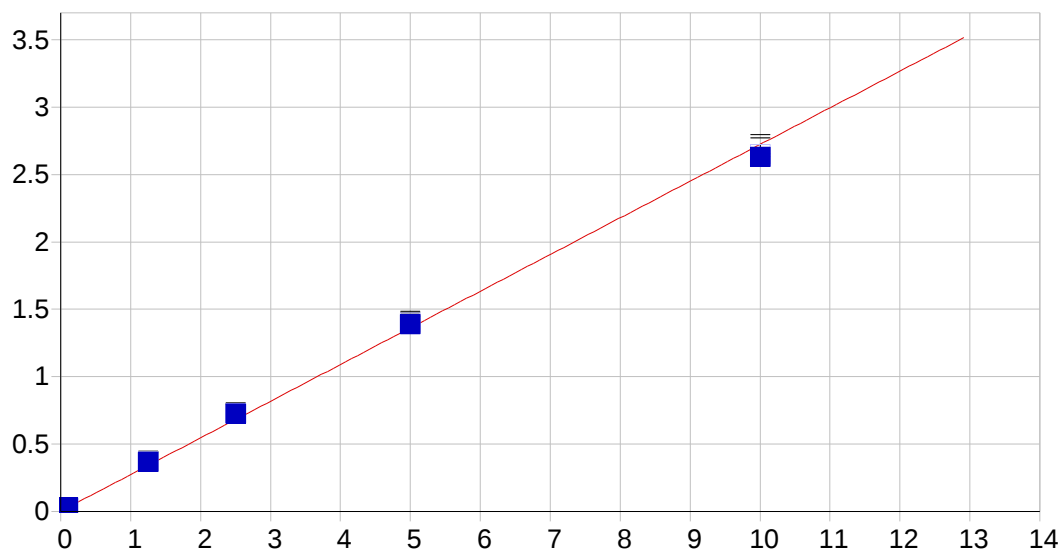
Std Error of Est: 0.000139

Predicted MDL: 0.000260

Predicted MQL: 0.000866

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00027 | .000    | 1        |
| S1        | .01000       | .01037      | .000       | 3.69    | .00925 | .000    | 1        |
| S2        | 1.2500       | 1.2703      | .020       | 1.62    | 1.1006 | .007    | 1        |
| S3        | 2.5000       | 2.5381      | .038       | 1.52    | 2.1987 | .012    | 1        |
| S4        | 5.0000       | 5.0235      | .023       | .470    | 4.3515 | .012    | 1        |
| S5        | 10.000       | 9.9177      | -.082      | -.823   | 8.5908 | .016    | 1        |





Si 251.611 {134}

Date of Fit: 6/8/2018 17:49:52

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.002049

Re-Slope: 1.000000

A1 (Gain): 0.272105

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999206

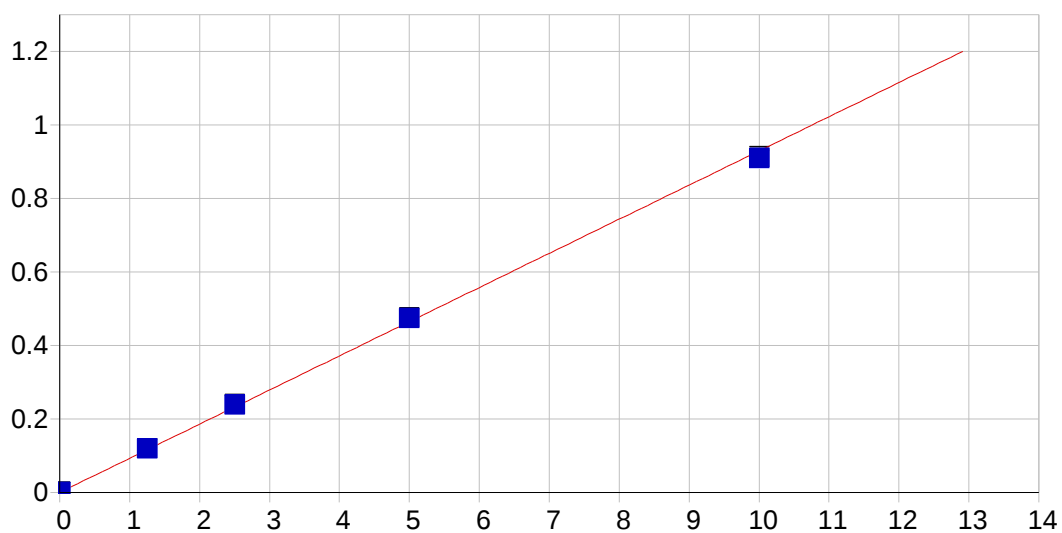
Status: OK.

Std Error of Est: 0.000581

Predicted MDL: 0.001234

Predicted MQL: 0.004113

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | -.00001     | .000       | .000    | .00205 | .000    | 1        |
| S1        | .10000       | .10024      | .000       | .242    | .02942 | .000    | 1        |
| S2        | 1.2500       | 1.3444      | .094       | 7.55    | .37066 | .003    | 1        |
| S3        | 2.5000       | 2.6565      | .157       | 6.26    | .73048 | .001    | 1        |
| S4        | 5.0000       | 5.0926      | .093       | 1.85    | 1.3989 | .012    | 1        |
| S5        | 10.000       | 9.6562      | -.344      | -3.44   | 2.6519 | .070    | 1        |



Sn 189.989 {478}

Date of Fit: 6/8/2018 17:49:52

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.000055

Re-Slope: 1.000000

A1 (Gain): 0.092934

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999749

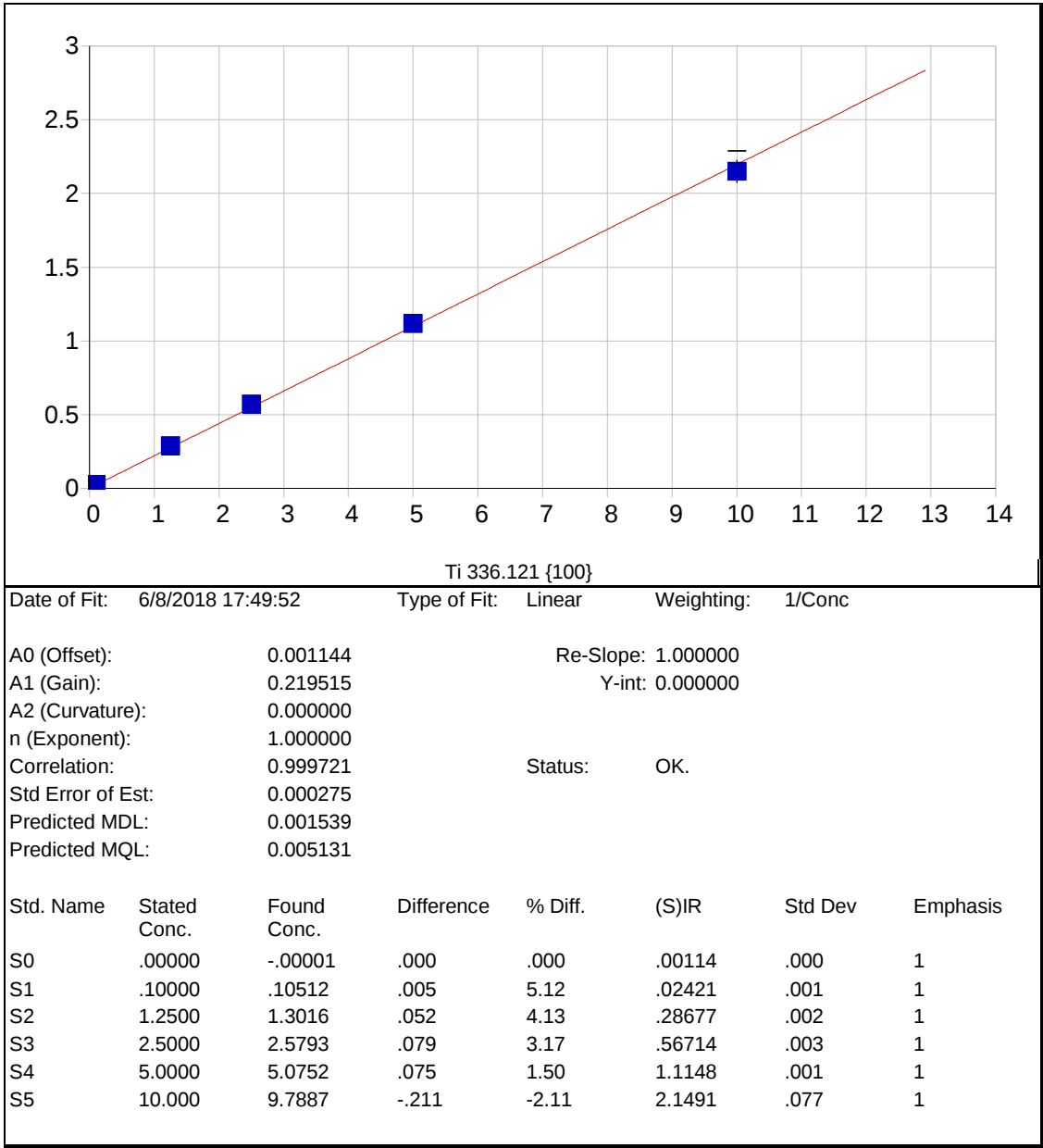
Status: OK.

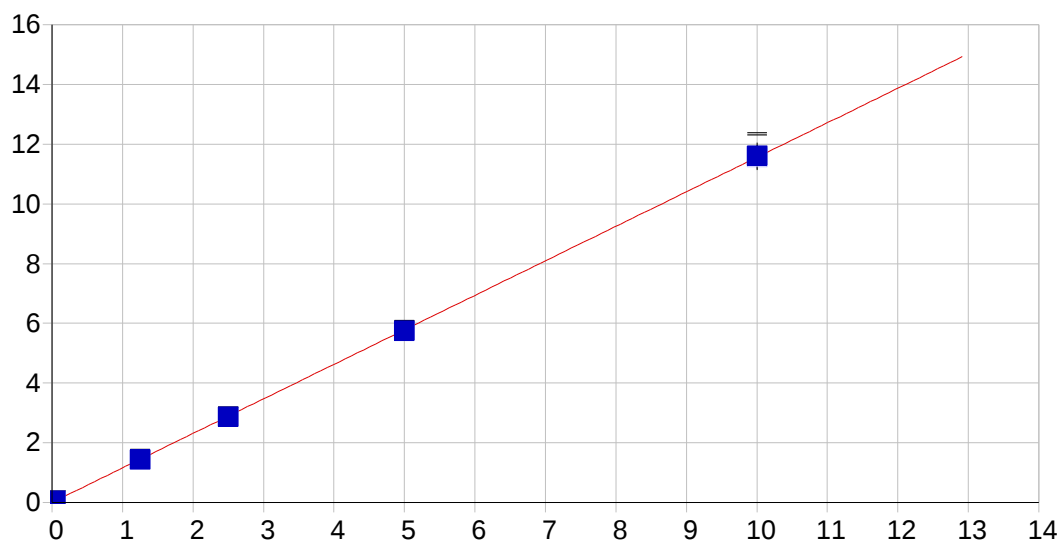
Std Error of Est: 0.000029

Predicted MDL: 0.000986

Predicted MQL: 0.003285

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00005 | .000    | 1        |
| S1        | .00700       | .00761      | .001       | 8.66    | .00074 | .000    | 1        |
| S2        | 1.2500       | 1.2795      | .029       | 2.36    | .11871 | .001    | 1        |
| S3        | 2.5000       | 2.5730      | .073       | 2.92    | .23866 | .001    | 1        |
| S4        | 5.0000       | 5.1045      | .104       | 2.09    | .47341 | .002    | 1        |
| S5        | 10.000       | 9.7925      | -.208      | -2.08   | .90806 | .005    | 1        |





Li 670.784 { 50}

Date of Fit: 6/8/2018 17:49:52

Type of Fit: Linear

Weighting: 1/Conc

A0 (Offset): 0.003371

Re-Slope: 1.000000

A1 (Gain): 1.155606

Y-int: 0.000000

A2 (Curvature): 0.000000

n (Exponent): 1.000000

Correlation: 0.999982

Status: OK.

Std Error of Est: 0.000255

Predicted MDL: 0.001236

Predicted MQL: 0.004119

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00000      | .000       | .000    | .00337 | .000    | 1        |
| S5        | 10.000       | 10.051      | .051       | .513    | 11.554 | .426    | 1        |
| S4        | 5.0000       | 4.9769      | -.023      | -.462   | 5.7222 | .022    | 1        |
| S3        | 2.5000       | 2.4837      | -.016      | -.653   | 2.8573 | .007    | 1        |
| S2        | 1.2500       | 1.2404      | -.010      | -.769   | 1.4286 | .006    | 1        |
| S1        | .05000       | .04775      | -.002      | -4.50   | .05843 | .001    | 1        |



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

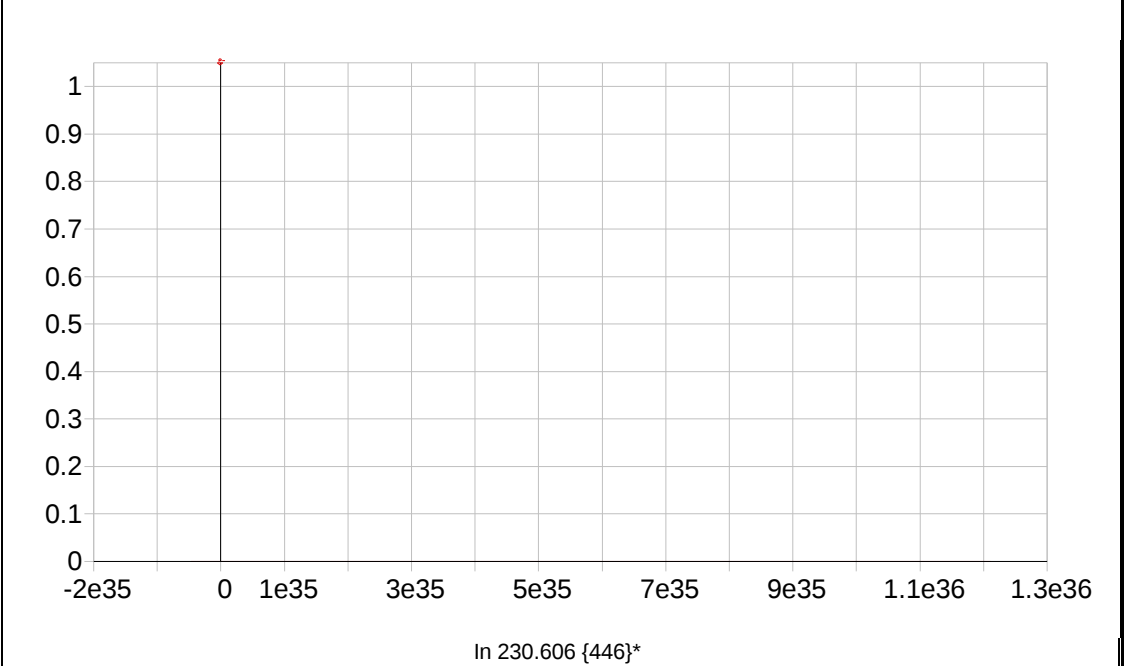




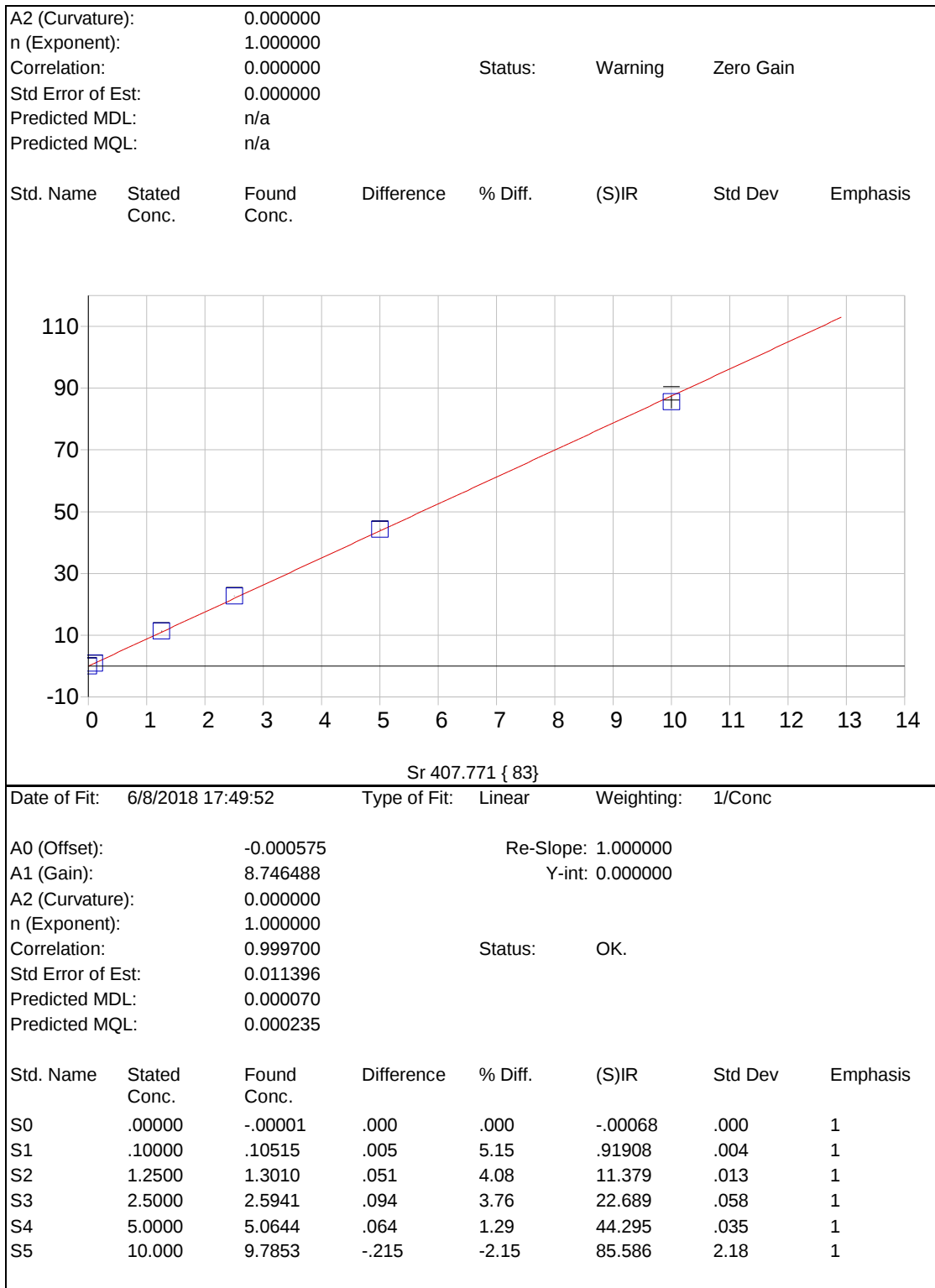


|                   |          |                           |
|-------------------|----------|---------------------------|
| A0 (Offset):      | 0.000000 | Re-Slope: 1.000000        |
| A1 (Gain):        | 0.000000 | Y-int: 0.000000           |
| A2 (Curvature):   | 0.000000 |                        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

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



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



Sample Name: S0      Acquired: 6/8/2018 12:03:10      Type: Cal  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: IR      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: S00      Custom ID2:      Custom ID3:  
 Comment:

|        |         |         |        |        |        |        |         |         |
|--------|---------|---------|--------|--------|--------|--------|---------|---------|
| Elem   | As1890  | Tl1908  | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934  | Be2348  |
| Units  | Cts/S   | Cts/S   | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S   |
| Avg    | -.00023 | -.00029 | .00015 | .00034 | .00034 | .00033 | -.02161 | -.00161 |
| Stddev | .00007  | .00003  | .00003 | .00014 | .00016 | .00059 | .00041  | .00034  |
| %RSD   | 31.803  | 10.631  | 18.054 | 41.906 | 47.094 | 181.22 | 1.9152  | 21.302  |

|    |         |         |        |        |        |         |         |         |
|----|---------|---------|--------|--------|--------|---------|---------|---------|
| #1 | -.00015 | -.00030 | .00012 | .00051 | .00024 | .00042  | -.02209 | -.00159 |
| #2 | -.00029 | -.00032 | .00018 | .00030 | .00026 | .00087  | -.02135 | -.00196 |
| #3 | -.00023 | -.00026 | .00015 | .00023 | .00052 | -.00031 | -.02140 | -.00128 |

|        |        |        |         |         |        |        |         |         |
|--------|--------|--------|---------|---------|--------|--------|---------|---------|
| 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    | .00039 | .00104 | -.00002 | -.00026 | .00034 | .00006 | -.00005 | -.00018 |
| Stddev | .00006 | .00020 | .00003  | .00014  | .00016 | .00011 | .00008  | .00006  |
| %RSD   | 16.334 | 19.485 | 144.62  | 53.778  | 48.623 | 182.67 | 159.19  | 35.363  |

|    |        |        |         |         |        |         |         |         |
|----|--------|--------|---------|---------|--------|---------|---------|---------|
| #1 | .00038 | .00099 | .00001  | -.00015 | .00052 | .00007  | .00003  | -.00021 |
| #2 | .00034 | .00087 | -.00004 | -.00021 | .00030 | -.00005 | -.00014 | -.00011 |
| #3 | .00046 | .00127 | -.00003 | -.00041 | .00019 | .00017  | -.00005 | -.00022 |

|        |         |         |         |         |         |        |         |        |
|--------|---------|---------|---------|---------|---------|--------|---------|--------|
| 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    | -.00122 | -.00061 | -.00083 | -.00002 | -.00039 | .01878 | -.00090 | .00032 |
| Stddev | .00005  | .00005  | .00004  | .00017  | .00021  | .00031 | .00006  | .00017 |
| %RSD   | 4.2518  | 7.6830  | 4.9891  | 792.50  | 53.210  | 1.6506 | 6.8317  | 52.041 |

|    |         |         |         |         |         |        |         |        |
|----|---------|---------|---------|---------|---------|--------|---------|--------|
| #1 | -.00117 | -.00062 | -.00085 | -.00019 | -.00015 | .01843 | -.00093 | .00030 |
| #2 | -.00122 | -.00066 | -.00078 | .00016  | -.00051 | .01903 | -.00093 | .00016 |
| #3 | -.00128 | -.00056 | -.00085 | -.00003 | -.00050 | .01887 | -.00083 | .00049 |

|        |        |        |        |        |        |        |         |  |
|--------|--------|--------|--------|--------|--------|--------|---------|--|
| 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    | .00027 | .00183 | .00205 | .00005 | .00114 | .00337 | -.00068 |  |
| Stddev | .00018 | .00005 | .00033 | .00004 | .00027 | .00050 | .00018  |  |
| %RSD   | 66.192 | 2.5132 | 16.318 | 76.811 | 23.563 | 14.710 | 27.062  |  |

|    |        |        |        |        |        |        |         |  |
|----|--------|--------|--------|--------|--------|--------|---------|--|
| #1 | .00011 | .00180 | .00197 | .00003 | .00094 | .00286 | -.00065 |  |
| #2 | .00023 | .00180 | .00176 | .00004 | .00104 | .00385 | -.00088 |  |
| #3 | .00046 | .00188 | .00241 | .00010 | .00145 | .00341 | -.00051 |  |

Sample Name: S0      Acquired: 6/8/2018 12:03:10      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S00      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2244.7 | 2349.9 | 59992. | 7327.8 | 3983.9 |
| Stddev    | 16.5   | 5.1    | 159.   | 49.9   | 9.8    |
| %RSD      | .73423 | .21662 | .26523 | .68127 | .24706 |
| #1        | 2232.2 | 2353.5 | 59868. | 7358.6 | 3994.0 |
| #2        | 2263.4 | 2352.2 | 60171. | 7270.2 | 3983.6 |
| #3        | 2238.4 | 2344.1 | 59935. | 7354.7 | 3974.3 |

Sample Name: S1      Acquired: 6/8/2018 12:07:19      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .00023 | .00118 | .00110 | .00251 | .01115 | .01683 | .67476 | .02338 |
| Stddev | .00004 | .00002 | .00005 | .00017 | .00013 | .00059 | .00693 | .00052 |
| %RSD   | 18.710 | 1.8835 | 4.7006 | 6.6147 | 1.1683 | 3.5232 | 1.0273 | 2.2155 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .00027 | .00115 | .00106 | .00255 | .01101 | .01730 | .66931 | .02356 |
| #2 | .00021 | .00118 | .00109 | .00266 | .01116 | .01703 | .67242 | .02280 |
| #3 | .00019 | .00120 | .00116 | .00233 | .01127 | .01616 | .68256 | .02379 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .01220 | .16737 | .00145 | .02826 | .00356 | .00142 | .00263 | .02213 |
| Stddev | .00022 | .00068 | .00007 | .00027 | .00020 | .00012 | .00008 | .00030 |
| %RSD   | 1.7884 | .40887 | 4.6181 | .94822 | 5.6738 | 8.8016 | 2.8992 | 1.3612 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .01200 | .16768 | .00144 | .02833 | .00337 | .00150 | .00267 | .02195 |
| #2 | .01243 | .16659 | .00140 | .02796 | .00355 | .00148 | .00254 | .02196 |
| #3 | .01217 | .16785 | .00153 | .02848 | .00377 | .00127 | .00268 | .02248 |

|        |        |        |        |         |        |         |         |         |
|--------|--------|--------|--------|---------|--------|---------|---------|---------|
| 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    | .02138 | .00116 | .03232 | .00295  | .00189 | .14491  | -.00054 | .00349  |
| Stddev | .00027 | .00003 | .00054 | .00011  | .00016 | .00219  | .00004  | .00009  |
| %RSD   | 1.2856 | 2.9770 | 1.6686 | 3.6814  | 8.6969 | 1.5132  | 6.6674  | 2.5553  |

|    |        |        |        |        |        |        |         |        |
|----|--------|--------|--------|--------|--------|--------|---------|--------|
| #1 | .02156 | .00118 | .03264 | .00283 | .00204 | .14338 | -.00053 | .00339 |
| #2 | .02152 | .00118 | .03262 | .00298 | .00172 | .14392 | -.00058 | .00356 |
| #3 | .02107 | .00112 | .03170 | .00304 | .00190 | .14742 | -.00051 | .00352 |

|        |        |         |        |        |        |        |        |  |
|--------|--------|---------|--------|--------|--------|--------|--------|--|
| 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    | .00925 | .00379  | .02942 | .00074 | .02421 | .05843 | .91908 |  |
| Stddev | .00008 | .00008  | .00045 | .00008 | .00087 | .00064 | .00390 |  |
| %RSD   | .85650 | 2.0561  | 1.5391 | 11.012 | 3.6095 | 1.0874 | .42474 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | .00920 | .00373 | .02935 | .00064 | .02431 | .05813 | .91511 |  |
| #2 | .00921 | .00376 | .02900 | .00080 | .02329 | .05801 | .91922 |  |
| #3 | .00934 | .00388 | .02990 | .00077 | .02503 | .05916 | .92292 |  |

Sample Name: S1      Acquired: 6/8/2018 12:07:19      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S01      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2224.4 | 2332.9 | 59615. | 7258.8 | 3939.9 |
| Stddev    | 5.4    | 4.0    | 99.    | 53.8   | 8.0    |
| %RSD      | .24187 | .17056 | .16524 | .74154 | .20300 |
| #1        | 2219.8 | 2329.2 | 59670. | 7295.6 | 3932.4 |
| #2        | 2230.3 | 2337.1 | 59674. | 7283.9 | 3948.3 |
| #3        | 2223.0 | 2332.4 | 59501. | 7197.1 | 3938.8 |

Sample Name: S2      Acquired: 6/8/2018 12:11:27      Type: Cal  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: IR      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: S02      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .03981 | .07298 | .89093 | .07859 | .22256 | 2.7553 | 8.5546 | .61556 |
| Stddev | .00039 | .00063 | .00375 | .00049 | .00111 | .0143  | .0260  | .00786 |
| %RSD   | .97098 | .85694 | .42086 | .62345 | .50065 | .51703 | .30396 | 1.2761 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .03970 | .07266 | .88751 | .07829 | .22206 | 2.7431 | 8.5637 | .61388 |
| #2 | .03948 | .07259 | .89033 | .07832 | .22177 | 2.7518 | 8.5253 | .60868 |
| #3 | .04023 | .07370 | .89494 | .07915 | .22383 | 2.7709 | 8.5749 | .62411 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 1.4439 | 2.0050 | .52373 | .36237 | .46093 | .40951 | .60995 | .27188 |
| Stddev | .0064  | .0063  | .00050 | .00116 | .00058 | .00490 | .00184 | .00371 |
| %RSD   | .44548 | .31179 | .09482 | .32138 | .12661 | 1.1966 | .30108 | 1.3648 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.4394 | 2.0068 | .52325 | .36120 | .46068 | .40427 | .60852 | .26832 |
| #2 | 1.4411 | 1.9980 | .52370 | .36238 | .46051 | .41029 | .60933 | .27161 |
| #3 | 1.4513 | 2.0101 | .52424 | .36353 | .46160 | .41398 | .61202 | .27572 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .34941 | .05582 | .24403 | .03512 | .13052 | .96693 | .19004 | .43407 |
| Stddev | .00100 | .00032 | .00079 | .00044 | .00020 | .00062 | .00210 | .00280 |
| %RSD   | .28688 | .57689 | .32538 | 1.2595 | .15247 | .06361 | 1.1076 | .64443 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .34857 | .05599 | .24312 | .03465 | .13029 | .96761 | .18799 | .43346 |
| #2 | .34913 | .05602 | .24442 | .03515 | .13066 | .96640 | .18995 | .43163 |
| #3 | .35052 | .05545 | .24455 | .03554 | .13061 | .96679 | .19219 | .43712 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| 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    | 1.1006 | .03013 | .37066 | .11871 | .28677 | 1.4286 | 11.379 |  |
| Stddev | .0069  | .00022 | .00329 | .00087 | .00243 | .0063  | .013   |  |
| %RSD   | .62303 | .71633 | .88682 | .73026 | .84587 | .44295 | .11693 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | 1.0964 | .03002 | .37070 | .11810 | .28450 | 1.4291 | 11.390 |  |
| #2 | 1.0969 | .02999 | .36736 | .11832 | .28649 | 1.4221 | 11.364 |  |
| #3 | 1.1085 | .03038 | .37393 | .11970 | .28933 | 1.4347 | 11.381 |  |

Sample Name: S2      Acquired: 6/8/2018 12:11:27      Type: Cal  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: IR      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: S02      Custom ID2:      Custom ID3:  
 Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2149.6 | 2229.5 | 58008. | 7289.8 | 3578.2 |
| Stddev    | 17.9   | 9.3    | 273.   | 33.6   | 7.9    |
| %RSD      | .83270 | .41828 | .47107 | .46023 | .22097 |
| #1        | 2132.9 | 2233.7 | 57883. | 7276.0 | 3583.8 |
| #2        | 2147.5 | 2235.9 | 57821. | 7328.0 | 3581.7 |
| #3        | 2168.5 | 2218.8 | 58322. | 7265.3 | 3569.2 |

Sample Name: S3      Acquired: 6/8/2018 12:15:19      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S03      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .08096 | .14388 | 1.7792 | .15761 | .44913 | 5.5107 | 17.150 | 1.2072 |
| Stddev | .00032 | .00035 | .0093  | .00101 | .00227 | .0214  | .020   | .0005  |
| %RSD   | .39876 | .24612 | .52426 | .64293 | .50469 | .38787 | .11940 | .04011 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .08133 | .14383 | 1.7747 | .15690 | .44894 | 5.4861 | 17.156 | 1.2069 |
| #2 | .08073 | .14356 | 1.7729 | .15715 | .44696 | 5.5225 | 17.127 | 1.2077 |
| #3 | .08081 | .14426 | 1.7899 | .15877 | .45148 | 5.5236 | 17.166 | 1.2069 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 2.8668 | 3.9455 | 1.0258 | .72782 | .91411 | .80406 | 1.1988 | .54432 |
| Stddev | .0074  | .0111  | .0010  | .00155 | .00247 | .00833 | .0001  | .00483 |
| %RSD   | .25945 | .28240 | .10093 | .21326 | .26986 | 1.0356 | .01122 | .88699 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.8615 | 3.9544 | 1.0265 | .72663 | .91160 | .79447 | 1.1989 | .53880 |
| #2 | 2.8637 | 3.9330 | 1.0263 | .72724 | .91420 | .80938 | 1.1989 | .54641 |
| #3 | 2.8753 | 3.9492 | 1.0247 | .72958 | .91653 | .80834 | 1.1987 | .54776 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | .69387 | .11398 | .48586 | .07024 | .26192 | 1.9281 | .35107 | .86031 |
| Stddev | .00347 | .00021 | .00208 | .00043 | .00207 | .0058  | .00083 | .00210 |
| %RSD   | .49998 | .18297 | .42713 | .61747 | .78975 | .30238 | .23517 | .24445 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .69194 | .11377 | .48367 | .06989 | .25994 | 1.9228 | .35110 | .86010 |
| #2 | .69180 | .11399 | .48779 | .07072 | .26175 | 1.9344 | .35024 | .86252 |
| #3 | .69787 | .11418 | .48613 | .07010 | .26406 | 1.9271 | .35189 | .85833 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| Elem   | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 | Sr4077 |  |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |  |
| Avg    | 2.1987 | .05985 | .73048 | .23866 | .56714 | 2.8573 | 22.689 |  |
| Stddev | .0121  | .00027 | .00096 | .00120 | .00305 | .0072  | .058   |  |
| %RSD   | .55242 | .44980 | .13093 | .50251 | .53741 | .25313 | .25544 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | 2.1889 | .05954 | .73080 | .23815 | .56364 | 2.8589 | 22.696 |  |
| #2 | 2.1950 | .05998 | .73124 | .23780 | .56857 | 2.8494 | 22.743 |  |
| #3 | 2.2123 | .06002 | .72941 | .24003 | .56920 | 2.8635 | 22.628 |  |

Sample Name: S3      Acquired: 6/8/2018 12:15:19      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S03      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2075.3 | 2134.8 | 56400. | 7167.9 | 3377.5 |
| Stddev    | 3.4    | 5.8    | 144.   | 13.9   | 4.7    |
| %RSD      | .16278 | .27368 | .25580 | .19352 | .13855 |
| #1        | 2077.5 | 2136.4 | 56239. | 7167.2 | 3377.2 |
| #2        | 2076.9 | 2139.7 | 56446. | 7154.4 | 3382.3 |
| #3        | 2071.4 | 2128.3 | 56516. | 7182.1 | 3373.0 |

Sample Name: S4      Acquired: 6/8/2018 12:19:10      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S04      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .16445 | .27792 | 3.5258 | .31419 | .91110 | 11.093 | 33.954 | 2.3418 |
| Stddev | .00070 | .00150 | .0085  | .00153 | .00284 | .014   | .144   | .0194  |
| %RSD   | .42632 | .53868 | .24119 | .48642 | .31171 | .12785 | .42436 | .82958 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .16380 | .27703 | 3.5212 | .31243 | .90788 | 11.104 | 34.058 | 2.3639 |
| #2 | .16436 | .27708 | 3.5207 | .31519 | .91213 | 11.077 | 33.790 | 2.3340 |
| #3 | .16519 | .27965 | 3.5357 | .31495 | .91327 | 11.098 | 34.015 | 2.3275 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 5.6174 | 7.7136 | 1.9654 | 1.4374 | 1.8059 | 1.5715 | 2.2967 | 1.0979 |
| Stddev | .0164  | .0266  | .0018  | .0038  | .0013  | .0053  | .0049  | .0034  |
| %RSD   | .29133 | .34527 | .08973 | .26482 | .06989 | .33693 | .21315 | .31450 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 5.6141 | 7.7378 | 1.9640 | 1.4363 | 1.8073 | 1.5664 | 2.3008 | 1.0939 |
| #2 | 5.6029 | 7.6850 | 1.9649 | 1.4343 | 1.8049 | 1.5770 | 2.2913 | 1.0999 |
| #3 | 5.6352 | 7.7179 | 1.9674 | 1.4416 | 1.8055 | 1.5712 | 2.2979 | 1.0998 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 1.3665 | .22366 | .96414 | .13855 | .53506 | 3.8460 | .75717 | 1.6526 |
| Stddev | .0043  | .00121 | .00175 | .00045 | .01024 | .0155  | .00572 | .0144  |
| %RSD   | .31102 | .54220 | .18138 | .32824 | 1.9140 | .40377 | .75479 | .86858 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.3660 | .22230 | .96478 | .13907 | .52372 | 3.8568 | .75275 | 1.6692 |
| #2 | 1.3625 | .22405 | .96217 | .13829 | .54365 | 3.8282 | .75515 | 1.6439 |
| #3 | 1.3709 | .22463 | .96549 | .13828 | .53781 | 3.8530 | .76363 | 1.6447 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| 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    | 4.3515 | .12144 | 1.3989 | .47341 | 1.1148 | 5.7222 | 44.295 |  |
| Stddev | .0118  | .00090 | .0122  | .00191 | .0007  | .0225  | .035   |  |
| %RSD   | .27060 | .73792 | .87221 | .40260 | .06596 | .39310 | .07801 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | 4.3409 | .12078 | 1.4123 | .47227 | 1.1153 | 5.7369 | 44.319 |  |
| #2 | 4.3494 | .12108 | 1.3961 | .47234 | 1.1140 | 5.6963 | 44.312 |  |
| #3 | 4.3642 | .12246 | 1.3884 | .47561 | 1.1151 | 5.7335 | 44.256 |  |

Sample Name: S4      Acquired: 6/8/2018 12:19:10      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S04      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 1975.6 | 2018.5 | 55193. | 7132.9 | 3164.8 |
| Stddev    | 21.2   | 7.1    | 260.   | 28.7   | 11.6   |
| %RSD      | 1.0725 | .35028 | .47192 | .40246 | .36641 |
| #1        | 1997.6 | 2025.0 | 55489. | 7102.9 | 3171.2 |
| #2        | 1955.3 | 2019.5 | 54999. | 7135.5 | 3171.7 |
| #3        | 1973.8 | 2010.9 | 55092. | 7160.1 | 3151.4 |

Sample Name: S5      Acquired: 6/8/2018 12:23:09      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S05      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .33363 | .51883 | 6.8292 | .63023 | 1.8617 | 22.266 | 65.453 | 4.5702 |
| Stddev | .00079 | .00153 | .0241  | .00185 | .0070  | .810   | 1.324  | .1216  |
| %RSD   | .23803 | .29439 | .35286 | .29299 | .37735 | 3.6375 | 2.0222 | 2.6604 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .33374 | .51866 | 6.8146 | .63152 | 1.8619 | 23.201 | 66.862 | 4.7050 |
| #2 | .33279 | .51739 | 6.8159 | .62811 | 1.8546 | 21.776 | 65.262 | 4.4687 |
| #3 | .33436 | .52043 | 6.8570 | .63105 | 1.8686 | 21.822 | 64.235 | 4.5371 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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    | 10.757 | 15.153 | 3.6961 | 2.7705 | 3.5300 | 3.0120 | 4.4485 | 2.1815 |
| Stddev | .041   | .518   | .0019  | .0110  | .1301  | .1182  | .1292  | .0803  |
| %RSD   | .38573 | 3.4210 | .05273 | .39578 | 3.6842 | 3.9227 | 2.9047 | 3.6797 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 10.723 | 15.749 | 3.6976 | 2.7637 | 3.6801 | 3.1484 | 4.5976 | 2.2740 |
| #2 | 10.744 | 14.809 | 3.6969 | 2.7646 | 3.4525 | 2.9402 | 4.3684 | 2.1304 |
| #3 | 10.803 | 14.900 | 3.6939 | 2.7831 | 3.4572 | 2.9474 | 4.3796 | 2.1401 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 | K_7698 | P_1774 | B_2496 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 2.6104 | .42124 | 1.9033 | .26896 | 1.1022 | 7.7210 | 2.1120 | 3.1175 |
| Stddev | .0076  | .00154 | .0680  | .01024 | .0126  | .2697  | .0051  | .0770  |
| %RSD   | .28974 | .36579 | 3.5751 | 3.8076 | 1.1415 | 3.4930 | .23985 | 2.4696 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 2.6057 | .42008 | 1.9819 | .28079 | 1.1163 | 8.0323 | 2.1106 | 3.2049 |
| #2 | 2.6064 | .42299 | 1.8621 | .26301 | 1.0978 | 7.5727 | 2.1078 | 3.0598 |
| #3 | 2.6192 | .42066 | 1.8661 | .26309 | 1.0923 | 7.5580 | 2.1176 | 3.0879 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| 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    | 8.5908 | .24250 | 2.6519 | .90806 | 2.1491 | 11.554 | 85.586 |  |
| Stddev | .0160  | .00035 | .0702  | .00531 | .0775  | .426   | 2.182  |  |
| %RSD   | .18667 | .14305 | 2.6453 | .58496 | 3.6039 | 3.6901 | 2.5497 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | 8.5845 | .24241 | 2.7310 | .90701 | 2.2385 | 12.046 | 88.098 |  |
| #2 | 8.5788 | .24220 | 2.5974 | .90334 | 2.1023 | 11.291 | 84.152 |  |
| #3 | 8.6090 | .24288 | 2.6271 | .91381 | 2.1065 | 11.325 | 84.510 |  |

Sample Name: S5      Acquired: 6/8/2018 12:23:09      Type: Cal  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: IR      Corr. Factor: 1.000000  
User: BIN      Custom ID1: S05      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 1842.5 | 1851.4 | 53375. | 6980.1 | 2933.6 |
| Stddev    | 4.2    | 3.3    | 96.    | 177.8  | 10.9   |
| %RSD      | .22852 | .17840 | .17943 | 2.5470 | .37213 |
| #1        | 1837.8 | 1852.3 | 53386. | 6776.1 | 2941.1 |
| #2        | 1843.5 | 1854.1 | 53274. | 7101.8 | 2938.6 |
| #3        | 1846.1 | 1847.7 | 53465. | 7062.4 | 2921.0 |

Sample Name: S6      Acquired: 6/8/2018 12:27:14      Type: Cal  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: IR      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: S06      Custom ID2:      Custom ID3:  
 Comment:

|        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|
| Elem   | Al3961 | Ca3736 | Fe2598 | Mg2790 | Na8183 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 60.458 | 26.182 | 8.2200 | 3.6736 | 5.4404 |
| Stddev | .915   | .093   | .0464  | .0222  | .0096  |
| %RSD   | 1.5138 | .35333 | .56428 | .60322 | .17722 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| #1 | 60.575 | 26.113 | 8.1982 | 3.6600 | 5.4310 |
| #2 | 59.489 | 26.146 | 8.1885 | 3.6617 | 5.4401 |
| #3 | 61.309 | 26.287 | 8.2733 | 3.6992 | 5.4502 |

|           |        |
|-----------|--------|
| Int. Std. | Y_3710 |
| Units     | Cts/S  |
| Avg       | 6737.2 |
| Stddev    | 43.9   |
| %RSD      | .65133 |

|    |        |
|----|--------|
| #1 | 6723.4 |
| #2 | 6786.3 |
| #3 | 6701.8 |

Sample Name: ICV      Acquired: 6/8/2018 12:31:39      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: ICV      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .9572784 | 1.103058 | .9712881 | .9904843 | .9391055 | 2.310606 |
| Stddev | .0037491 | .005094  | .0025551 | .0077987 | .0033657 | .009337  |
| %RSD   | .3916439 | .4617810 | .2630643 | .7873667 | .3583931 | .4040789 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .9614449 | 1.102702 | .9701047 | .9993074 | .9402616 | 2.315204 |
| #2 | .9562132 | 1.098151 | .9742204 | .9845124 | .9417407 | 2.299862 |
| #3 | .9541772 | 1.108320 | .9695393 | .9876330 | .9353141 | 2.316752 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5032695 | .5014842 | .4997546 | 10.10192 | .5339114 | .4953997 |
| Stddev | .0015653 | .0007759 | .0027779 | .03766   | .0057005 | .0010020 |
| %RSD   | .3110265 | .1547190 | .5558591 | .3727999 | 1.067684 | .2022542 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5016205 | .5006196 | .5001199 | 10.09845 | .5311072 | .4955554 |
| #2 | .5047349 | .5021197 | .5023319 | 10.14119 | .5404708 | .4963147 |
| #3 | .5034530 | .5017133 | .4968121 | 10.06611 | .5301562 | .4943290 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5111028 | 5.232697 | .5238861 | 5.559279 | .5067317 | .4827726 |
| Stddev | .0028453 | .057677  | .0006083 | .078796  | .0038165 | .0053239 |
| %RSD   | .5567065 | 1.102246 | .1161154 | 1.417379 | .7531643 | 1.102770 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5083533 | 5.259047 | .5231956 | 5.532379 | .5056343 | .4803869 |
| #2 | .5109198 | 5.166551 | .5241197 | 5.497455 | .5109767 | .4888720 |
| #3 | .5140352 | 5.272494 | .5243430 | 5.648002 | .5035841 | .4790588 |

|        |          |          |          |          |            |            |
|--------|----------|----------|----------|----------|------------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm        |
| Avg    | 9.646647 | .5120550 | .9631489 | 9.480153 | F .0135106 | F .0111615 |
| Stddev | .040159  | .0069513 | .0117165 | .037180  | .0002541   | .0010177   |
| %RSD   | .4162994 | 1.357524 | 1.216474 | .3921840 | 1.880358   | 9.117971   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.640080 | .5098057 | .9522205 | 9.454105 | .0136658 | .0116284 |
| #2 | 9.610176 | .5065070 | .9617064 | 9.463622 | .0132175 | .0118620 |
| #3 | 9.689685 | .5198525 | .9755198 | 9.522731 | .0136487 | .0099941 |

Sample Name: ICV      Acquired: 6/8/2018 12:31:39      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: ICV      Custom ID2:      Custom ID3:  
Comment:

|        |            |          |          |            |          |          |
|--------|------------|----------|----------|------------|----------|----------|
| Elem   | Mo2020     | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707   |
| Units  | ppm        | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | F .0000070 | -.013736 | .0048792 | F -.000148 | -.000844 | .0033156 |
| Stddev | .0003044   | .003761  | .0004090 | .000401    | .001292  | .0004799 |
| %RSD   | 4324.680   | 27.37957 | 8.382485 | 271.9476   | 153.0568 | 14.47411 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0002849 | -.009420 | .0044716 | .000032  | -.001281 | .0031027 |
| #2 | -.000318 | -.015472 | .0052896 | .000133  | .000610  | .0038651 |
| #3 | .000054  | -.016315 | .0048764 | -.000607 | -.001861 | .0029789 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .0118245 |
| Stddev | .0000721 |
| %RSD   | .6097513 |

|    |          |
|----|----------|
| #1 | .0117432 |
| #2 | .0118805 |
| #3 | .0118499 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2243.761 | 2312.039 | 59901.44 | 7423.717 | 3884.286 |
| Stddev    | 27.425   | 6.565    | 548.98   | 19.237   | 12.556   |
| %RSD      | 1.222284 | .2839301 | .9164760 | .2591321 | .3232489 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2260.621 | 2307.112 | 60169.96 | 7445.471 | 3879.173 |
| #2 | 2212.116 | 2309.515 | 59269.88 | 7408.948 | 3875.094 |
| #3 | 2258.547 | 2319.491 | 60264.47 | 7416.733 | 3898.592 |

Sample Name: ICB      Acquired: 6/8/2018 12:41:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: ICB      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.003782 | .0010490 | -.000400 | .0006478 | .0007923 | -.000745 | .0001008 |
| Stddev | .002800  | .0014874 | .000574  | .0016676 | .0008794 | .007705  | .0002219 |
| %RSD   | 74.02213 | 141.7858 | 143.5448 | 257.4223 | 110.9954 | 1034.751 | 220.1674 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.002632 | .0020855 | -.000677 | .0005775 | .0000398 | .008152  | -.000073 |
| #2 | -.006973 | .0017169 | -.000783 | -.000984 | .0017591 | -.005221 | .000024  |
| #3 | -.001740 | -.000655 | .000260  | .002349  | .0005780 | -.005165 | .000351  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000217 | .0001202 | .0087464 | .0000664 | .0000157 | -.001526 | .0085784 |
| Stddev | .0000311 | .0000439 | .0130280 | .0001036 | .0002749 | .001946  | .0113884 |
| %RSD   | 143.7282 | 36.48945 | 148.9533 | 156.1181 | 1756.578 | 127.5088 | 132.7565 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000004 | .0000878 | -.003142 | -.000037 | .0003310 | -.000243 | .0123598 |
| #2 | .000012  | .0001026 | .006707  | .000170  | -.000111 | -.003765 | -.004220 |
| #3 | .000056  | .0001701 | .022674  | .000067  | -.000173 | -.000570 | .017595  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000097 | .0093583 | -.000171 | -.000273 | .1688408 | -.000965 | -.002001 |
| Stddev | .000381  | .0278043 | .000320  | .000274  | .2207358 | .001534  | .007569  |
| %RSD   | 393.9638 | 297.1098 | 187.5346 | 100.5183 | 130.7361 | 159.0221 | 378.1631 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .000241  | .0330792 | .000083  | -.000192 | .4237041 | .000804  | .005823  |
| #2 | -.000510 | -.021239 | -.000065 | -.000578 | .0386135 | -.001938 | -.002541 |
| #3 | -.000021 | .016235  | -.000530 | -.000048 | .0442047 | -.001760 | -.009286 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0048840 | .0002638 | .0030943 | .0002299 | -.019619 | -.000317 | -.000699 |
| Stddev | .0316267 | .0001647 | .0001285 | .0002075 | .001359  | .000489  | .000660  |
| %RSD   | 647.5617 | 62.42516 | 4.151840 | 90.26088 | 6.926386 | 153.9569 | 94.45425 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0325731 | .0004537 | .0032048 | .0000764 | -.018208 | .000035  | -.001434 |
| #2 | .0116606 | .0001777 | .0031247 | .0004661 | -.020920 | -.000875 | -.000154 |
| #3 | -.029582 | .0001600 | .0029534 | .0001473 | -.019729 | -.000112 | -.000510 |

Sample Name: ICB      Acquired: 6/8/2018 12:41:10      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: ICB      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0015254 | .0006204 | .0000066 |
| Stddev | .0003121 | .0010328 | .0000469 |
| %RSD   | 20.46294 | 166.4817 | 715.5103 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0015979 | .0012796 | -.000045 |
| #2 | .0011834 | -.000570 | .000018  |
| #3 | .0017950 | .001151  | .000046  |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2231.628 | 2339.791 | 60145.37 | 7395.617 | 3952.885 |
| Stddev    | 6.836    | 36.610   | 61.40    | 24.625   | 68.599   |
| %RSD      | .3063046 | 1.564690 | .1020829 | .3329710 | 1.735426 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2234.684 | 2298.452 | 60154.76 | 7367.650 | 3876.705 |
| #2 | 2236.402 | 2368.118 | 60079.82 | 7405.150 | 4009.772 |
| #3 | 2223.797 | 2352.802 | 60201.54 | 7414.050 | 3972.178 |

Sample Name: ICSA      Acquired: 6/8/2018 12:45:18      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: ICSA      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.001055 | .0006017 | -.006153 | -.021835 | .0008822 | 230.7996 |
| Stddev | .002199  | .0021489 | .000356  | .004052  | .0014865 | .5457    |
| %RSD   | 208.5160 | 357.1490 | 5.778345 | 18.55616 | 168.4911 | .2364479 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .001324  | .0009525 | -.005925 | -.022445 | .0023961 | 230.2147 |
| #2 | -.001474 | -.001701 | -.006563 | -.017513 | .0008257 | 231.2951 |
| #3 | -.003013 | .002554  | -.005973 | -.025548 | -.000575 | 230.8890 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0056477 | .0010178 | .0004008 | 240.1823 | .0492423 | -.000214 |
| Stddev | .0002612 | .0000681 | .0000778 | .5622    | .0006094 | .000196  |
| %RSD   | 4.624159 | 6.686758 | 19.41502 | .2340832 | 1.237664 | 91.56481 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0055935 | .0010034 | .0003112 | 240.0566 | .0498214 | .000002  |
| #2 | .0059317 | .0009581 | .0004400 | 240.7967 | .0486065 | -.000381 |
| #3 | .0054179 | .0010919 | .0004513 | 239.6935 | .0492992 | -.000265 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000579 | 97.99842 | .0108460 | 242.7538 | -.000646 | -.004155 |
| Stddev | .000928  | .39819   | .0003663 | .9616    | .000480  | .000465  |
| %RSD   | 160.1772 | .4063249 | 3.376952 | .3961146 | 74.25133 | 11.18135 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.000117 | 97.76783 | .0104238 | 241.6509 | -.000986 | -.004268 |
| #2 | -.001647 | 97.76922 | .0110788 | 243.4165 | -.000856 | -.004553 |
| #3 | .000026  | 98.45821 | .0110353 | 243.1939 | -.000097 | -.003645 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 1.512902 | -.001763 | -.009559 | -.114070 | -.005971 | F .0817328 |
| Stddev | .200848  | .005183  | .012650  | .018493  | .000397  | .0019313   |
| %RSD   | 13.27567 | 294.0233 | 132.3428 | 16.21229 | 6.650585 | 2.362933   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.733761 | -.007599 | -.004909 | -.128642 | -.006276 | .0813169 |
| #2 | 1.463758 | .002305  | -.023875 | -.120302 | -.006114 | .0800434 |
| #3 | 1.341187 | .000006  | .000109  | -.093265 | -.005522 | .0838382 |

Sample Name: ICSA      Acquired: 6/8/2018 12:45:18      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: ICSA      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0012111 | .0039468 | .0033218 | -.004305 | -.001814 | .0056876 |
| Stddev | .0004936 | .0078579 | .0006540 | .000254  | .000384  | .0007599 |
| %RSD   | 40.75447 | 199.0931 | 19.68729 | 5.895429 | 21.19007 | 13.36071 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0012394 | .0092521 | .0039753 | -.004342 | -.001372 | .0048203 |
| #2 | .0016900 | .0076689 | .0033229 | -.004035 | -.002068 | .0062365 |
| #3 | .0007040 | -.005081 | .0026673 | -.004539 | -.002003 | .0060062 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1029893 |
| Stddev | .0006251 |
| %RSD   | .6069691 |

|    |          |
|----|----------|
| #1 | .1033938 |
| #2 | .1033047 |
| #3 | .1022693 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2101.472 | 2178.279 | 56423.97 | 7156.221 | 3351.538 |
| Stddev    | 1.908    | 7.341    | 132.58   | 33.906   | 9.967    |
| %RSD      | .0907698 | .3370307 | .2349652 | .4737954 | .2973924 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2102.658 | 2181.474 | 56293.76 | 7190.661 | 3358.283 |
| #2 | 2099.271 | 2183.482 | 56558.79 | 7122.875 | 3356.241 |
| #3 | 2102.486 | 2169.882 | 56419.36 | 7155.126 | 3340.089 |

Sample Name: ICB      Acquired: 6/8/2018 12:41:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: ICB      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.003782 | .0010490 | -.000400 | .0006478 | .0007923 | -.000745 | .0001008 |
| Stddev | .002800  | .0014874 | .000574  | .0016676 | .0008794 | .007705  | .0002219 |
| %RSD   | 74.02213 | 141.7858 | 143.5448 | 257.4223 | 110.9954 | 1034.751 | 220.1674 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.002632 | .0020855 | -.000677 | .0005775 | .0000398 | .008152  | -.000073 |
| #2 | -.006973 | .0017169 | -.000783 | -.000984 | .0017591 | -.005221 | .000024  |
| #3 | -.001740 | -.000655 | .000260  | .002349  | .0005780 | -.005165 | .000351  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000217 | .0001202 | .0087464 | .0000664 | .0000157 | -.001526 | .0085784 |
| Stddev | .0000311 | .0000439 | .0130280 | .0001036 | .0002749 | .001946  | .0113884 |
| %RSD   | 143.7282 | 36.48945 | 148.9533 | 156.1181 | 1756.578 | 127.5088 | 132.7565 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000004 | .0000878 | -.003142 | -.000037 | .0003310 | -.000243 | .0123598 |
| #2 | .000012  | .0001026 | .006707  | .000170  | -.000111 | -.003765 | -.004220 |
| #3 | .000056  | .0001701 | .022674  | .000067  | -.000173 | -.000570 | .017595  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000097 | .0093583 | -.000171 | -.000273 | .1688408 | -.000965 | -.002001 |
| Stddev | .000381  | .0278043 | .000320  | .000274  | .2207358 | .001534  | .007569  |
| %RSD   | 393.9638 | 297.1098 | 187.5346 | 100.5183 | 130.7361 | 159.0221 | 378.1631 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .000241  | .0330792 | .000083  | -.000192 | .4237041 | .000804  | .005823  |
| #2 | -.000510 | -.021239 | -.000065 | -.000578 | .0386135 | -.001938 | -.002541 |
| #3 | -.000021 | .016235  | -.000530 | -.000048 | .0442047 | -.001760 | -.009286 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0048840 | .0002638 | .0030943 | .0002299 | -.019619 | -.000317 | -.000699 |
| Stddev | .0316267 | .0001647 | .0001285 | .0002075 | .001359  | .000489  | .000660  |
| %RSD   | 647.5617 | 62.42516 | 4.151840 | 90.26088 | 6.926386 | 153.9569 | 94.45425 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0325731 | .0004537 | .0032048 | .0000764 | -.018208 | .000035  | -.001434 |
| #2 | .0116606 | .0001777 | .0031247 | .0004661 | -.020920 | -.000875 | -.000154 |
| #3 | -.029582 | .0001600 | .0029534 | .0001473 | -.019729 | -.000112 | -.000510 |

Sample Name: ICB      Acquired: 6/8/2018 12:41:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: ICB      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0015254 | .0006204 | .0000066 |
| Stddev | .0003121 | .0010328 | .0000469 |
| %RSD   | 20.46294 | 166.4817 | 715.5103 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0015979 | .0012796 | -.000045 |
| #2 | .0011834 | -.000570 | .000018  |
| #3 | .0017950 | .001151  | .000046  |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2231.628 | 2339.791 | 60145.37 | 7395.617 | 3952.885 |
| Stddev    | 6.836    | 36.610   | 61.40    | 24.625   | 68.599   |
| %RSD      | .3063046 | 1.564690 | .1020829 | .3329710 | 1.735426 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2234.684 | 2298.452 | 60154.76 | 7367.650 | 3876.705 |
| #2 | 2236.402 | 2368.118 | 60079.82 | 7405.150 | 4009.772 |
| #3 | 2223.797 | 2352.802 | 60201.54 | 7414.050 | 3972.178 |

Sample Name: ICSA      Acquired: 6/8/2018 12:45:18      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: ICSA      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.001055 | .0006017 | -.006153 | -.021835 | .0008822 | 230.7996 |
| Stddev | .002199  | .0021489 | .000356  | .004052  | .0014865 | .5457    |
| %RSD   | 208.5160 | 357.1490 | 5.778345 | 18.55616 | 168.4911 | .2364479 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .001324  | .0009525 | -.005925 | -.022445 | .0023961 | 230.2147 |
| #2 | -.001474 | -.001701 | -.006563 | -.017513 | .0008257 | 231.2951 |
| #3 | -.003013 | .002554  | -.005973 | -.025548 | -.000575 | 230.8890 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0056477 | .0010178 | .0004008 | 240.1823 | .0492423 | -.000214 |
| Stddev | .0002612 | .0000681 | .0000778 | .5622    | .0006094 | .000196  |
| %RSD   | 4.624159 | 6.686758 | 19.41502 | .2340832 | 1.237664 | 91.56481 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0055935 | .0010034 | .0003112 | 240.0566 | .0498214 | .000002  |
| #2 | .0059317 | .0009581 | .0004400 | 240.7967 | .0486065 | -.000381 |
| #3 | .0054179 | .0010919 | .0004513 | 239.6935 | .0492992 | -.000265 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000579 | 97.99842 | .0108460 | 242.7538 | -.000646 | -.004155 |
| Stddev | .000928  | .39819   | .0003663 | .9616    | .000480  | .000465  |
| %RSD   | 160.1772 | .4063249 | 3.376952 | .3961146 | 74.25133 | 11.18135 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.000117 | 97.76783 | .0104238 | 241.6509 | -.000986 | -.004268 |
| #2 | -.001647 | 97.76922 | .0110788 | 243.4165 | -.000856 | -.004553 |
| #3 | .000026  | 98.45821 | .0110353 | 243.1939 | -.000097 | -.003645 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 1.512902 | -.001763 | -.009559 | -.114070 | -.005971 | F .0817328 |
| Stddev | .200848  | .005183  | .012650  | .018493  | .000397  | .0019313   |
| %RSD   | 13.27567 | 294.0233 | 132.3428 | 16.21229 | 6.650585 | 2.362933   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.733761 | -.007599 | -.004909 | -.128642 | -.006276 | .0813169 |
| #2 | 1.463758 | .002305  | -.023875 | -.120302 | -.006114 | .0800434 |
| #3 | 1.341187 | .000006  | .000109  | -.093265 | -.005522 | .0838382 |

Sample Name: ICSA      Acquired: 6/8/2018 12:45:18      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: ICSA      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0012111 | .0039468 | .0033218 | -.004305 | -.001814 | .0056876 |
| Stddev | .0004936 | .0078579 | .0006540 | .000254  | .000384  | .0007599 |
| %RSD   | 40.75447 | 199.0931 | 19.68729 | 5.895429 | 21.19007 | 13.36071 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0012394 | .0092521 | .0039753 | -.004342 | -.001372 | .0048203 |
| #2 | .0016900 | .0076689 | .0033229 | -.004035 | -.002068 | .0062365 |
| #3 | .0007040 | -.005081 | .0026673 | -.004539 | -.002003 | .0060062 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1029893 |
| Stddev | .0006251 |
| %RSD   | .6069691 |

|    |          |
|----|----------|
| #1 | .1033938 |
| #2 | .1033047 |
| #3 | .1022693 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2101.472 | 2178.279 | 56423.97 | 7156.221 | 3351.538 |
| Stddev    | 1.908    | 7.341    | 132.58   | 33.906   | 9.967    |
| %RSD      | .0907698 | .3370307 | .2349652 | .4737954 | .2973924 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2102.658 | 2181.474 | 56293.76 | 7190.661 | 3358.283 |
| #2 | 2099.271 | 2183.482 | 56558.79 | 7122.875 | 3356.241 |
| #3 | 2102.486 | 2169.882 | 56419.36 | 7155.126 | 3340.089 |

Sample Name: ICSAB      Acquired: 6/8/2018 12:49:24      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: ICSAB      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0911699 | .1172836 | .0483889 | .0353376 | .5933110 | 237.6632 |
| Stddev | .0051121 | .0080704 | .0029669 | .0058147 | .0145447 | 1.1245   |
| %RSD   | 5.607254 | 6.881070 | 6.131376 | 16.45487 | 2.451443 | .4731365 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0956050 | .1146258 | .0461426 | .0293170 | .5870924 | 238.2177 |
| #2 | .0923260 | .1108774 | .0472720 | .0357738 | .5829093 | 238.4028 |
| #3 | .0855788 | .1263477 | .0517522 | .0409219 | .6099311 | 236.3692 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5391087 | .5164576 | 1.042002 | 246.5554 | .5900616 | .5222325 |
| Stddev | .0014739 | .0022376 | .017074  | .1013    | .0013390 | .0097769 |
| %RSD   | .2733880 | .4332657 | 1.638604 | .0411051 | .2269237 | 1.872126 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5405947 | .5139615 | 1.035967 | 246.5498 | .5893635 | .5178924 |
| #2 | .5390840 | .5182835 | 1.028765 | 246.6595 | .5916054 | .5153772 |
| #3 | .5376473 | .5171280 | 1.061274 | 246.4570 | .5892159 | .5334281 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5138649 | 101.1875 | .5401667 | 249.5405 | 1.045057 | .1765828 |
| Stddev | .0034458 | .9603    | .0013979 | 2.4626   | .019082  | .0013930 |
| %RSD   | .6705689 | .9490731 | .2587847 | .9868572 | 1.825932 | .7888421 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5175632 | 101.7388 | .5386737 | 250.3680 | 1.034874 | .1771671 |
| #2 | .5132867 | 101.7451 | .5403818 | 251.4827 | 1.033227 | .1775884 |
| #3 | .5107447 | 100.0786 | .5414445 | 246.7707 | 1.067071 | .1749928 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | .4328872 | .5169291 | 1.012125 | -.105796 | .0079069 | F .0922291 |
| Stddev | .1280577 | .0062591 | .004133  | .033014  | .0004888 | .0026483   |
| %RSD   | 29.58224 | 1.210834 | .4083038 | 31.20517 | 6.181584 | 2.871397   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4962005 | .5132253 | 1.008106 | -.135588 | .0081349 | .0951223 |
| #2 | .2855052 | .5241558 | 1.016362 | -.111496 | .0082400 | .0916403 |
| #3 | .5169558 | .5134062 | 1.011907 | -.070303 | .0073458 | .0899249 |

Sample Name: ICSAB      Acquired: 6/8/2018 12:49:24      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: ICSAB      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0088793 | .0144600 | .0050421 | .0023615 | .0039654 | .0130027 |
| Stddev | .0002247 | .0036477 | .0009647 | .0013540 | .0004072 | .0006555 |
| %RSD   | 2.531058 | 25.22635 | 19.13243 | 57.33664 | 10.26839 | 5.041204 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0088267 | .0131533 | .0046279 | .0008394 | .0036495 | .0126442 |
| #2 | .0091257 | .0116455 | .0061447 | .0028128 | .0038218 | .0126045 |
| #3 | .0086855 | .0185811 | .0043537 | .0034321 | .0044249 | .0137592 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1101221 |
| Stddev | .0002045 |
| %RSD   | .1857355 |

|    |          |
|----|----------|
| #1 | .1099310 |
| #2 | .1100974 |
| #3 | .1103379 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2064.891 | 2135.037 | 56025.71 | 7172.821 | 3295.250 |
| Stddev    | 9.865    | 31.801   | 32.49    | 36.197   | 51.640   |
| %RSD      | .4777485 | 1.489495 | .0579928 | .5046478 | 1.567107 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2054.264 | 2151.757 | 56062.69 | 7196.646 | 3316.964 |
| #2 | 2066.652 | 2154.992 | 56001.72 | 7131.168 | 3332.487 |
| #3 | 2073.757 | 2098.364 | 56012.73 | 7190.650 | 3236.298 |

Sample Name: CCV009      Acquired: 6/8/2018 12:53:24      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCV009      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.031339 | 5.269953 | 24.92760 | 4.907277 | 4.979979 | 402.9516 |
| Stddev | .042204  | .036410  | .19228   | .029404  | .031175  | .9496    |
| %RSD   | .8388244 | .6909002 | .7713675 | .5991973 | .6260039 | .2356703 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.999039 | 5.248134 | 24.82230 | 4.876045 | 4.958210 | 402.3160 |
| #2 | 5.015885 | 5.249739 | 24.81096 | 4.911360 | 4.966036 | 402.4957 |
| #3 | 5.079091 | 5.311985 | 25.14953 | 4.934427 | 5.015692 | 404.0433 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 10.31013 | .5134370 | 2.546313 | 399.1131 | 15.48329 | 2.556813 |
| Stddev | .02458   | .0022532 | .022136  | 1.1882   | .31534   | .020627  |
| %RSD   | .2384257 | .4388544 | .8693327 | .2977160 | 2.036633 | .8067467 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 10.30643 | .5145376 | 2.535184 | 398.9514 | 15.84741 | 2.544475 |
| #2 | 10.28762 | .5108450 | 2.531950 | 398.0141 | 15.30243 | 2.545339 |
| #3 | 10.33636 | .5149285 | 2.571805 | 400.3739 | 15.30004 | 2.580626 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 15.43432 | 405.2932 | 15.06584 | 404.8562 | 2.550343 | 1.263179 |
| Stddev | .04469   | 1.2540   | .02597   | 1.2926   | .020874  | .030211  |
| %RSD   | .2895515 | .3094162 | .1724029 | .3192808 | .8184770 | 2.391665 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 15.43973 | 404.7607 | 15.05815 | 404.6799 | 2.535571 | 1.298058 |
| #2 | 15.38718 | 404.3932 | 15.04459 | 403.6607 | 2.541235 | 1.246289 |
| #3 | 15.47607 | 406.7256 | 15.09479 | 406.2279 | 2.574223 | 1.245189 |

|        |          |          |          |          |            |          |
|--------|----------|----------|----------|----------|------------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm      |
| Avg    | 401.0957 | 2.537512 | 14.23962 | 154.5631 | F 1.373732 | 5.222888 |
| Stddev | 1.0718   | .008344  | .19737   | .4188    | .007762    | .023172  |
| %RSD   | .2672106 | .3288259 | 1.386080 | .2709325 | .5650512   | .4436648 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 400.0940 | 2.530577 | 14.46547 | 154.3205 | 1.370828 | 5.237711 |
| #2 | 400.9672 | 2.535186 | 14.10026 | 154.3221 | 1.367840 | 5.196185 |
| #3 | 402.2260 | 2.546772 | 14.15314 | 155.0466 | 1.382527 | 5.234768 |

Sample Name: CCV009      Acquired: 6/8/2018 12:53:24      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCV009      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.858283 | 5.198472 | 5.159377 | 5.041977 | 5.046539 | 5.093758 |
| Stddev | .037283  | .020594  | .021194  | .035247  | .021929  | .002354  |
| %RSD   | .7674132 | .3961632 | .4107950 | .6990676 | .4345403 | .0462198 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.837634 | 5.186624 | 5.170014 | 5.011206 | 5.039697 | 5.095406 |
| #2 | 4.835894 | 5.186540 | 5.134971 | 5.034294 | 5.028847 | 5.091061 |
| #3 | 4.901322 | 5.222253 | 5.173146 | 5.080432 | 5.071074 | 5.094807 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 5.060931 |
| Stddev | .007659  |
| %RSD   | .1513391 |

|    |          |
|----|----------|
| #1 | 5.060342 |
| #2 | 5.053584 |
| #3 | 5.068868 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1898.812 | 1955.116 | 53062.24 | 6950.238 | 2965.901 |
| Stddev    | 30.204   | 13.047   | 934.43   | 23.914   | 19.846   |
| %RSD      | 1.590682 | .6673313 | 1.761006 | .3440798 | .6691371 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1863.950 | 1963.054 | 51986.20 | 6949.070 | 2974.894 |
| #2 | 1915.371 | 1962.237 | 53531.32 | 6974.715 | 2979.658 |
| #3 | 1917.116 | 1940.058 | 53669.21 | 6926.929 | 2943.151 |

Sample Name: CCB009      Acquired: 6/8/2018 12:57:20      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCB009      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.003551 | .0006532 | -.001843 | -.001068 | -.000151 | .0095302 | -.000004 |
| Stddev | .003055  | .0008486 | .000708  | .001476  | .000750  | .0056238 | .000532  |
| %RSD   | 86.02347 | 129.9124 | 38.39817 | 138.2605 | 496.8163 | 59.00996 | 13059.60 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000030 | .0014291 | -.001601 | -.002585 | .000704  | .0159965 | -.000429 |
| #2 | -.005130 | .0007834 | -.001288 | .000364  | -.000461 | .0068137 | .000592  |
| #3 | -.005494 | -.000253 | -.002640 | -.000983 | -.000696 | .0057804 | -.000175 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000476 | .0000791 | .0176202 | .0001833 | .0000955 | -.000581 | .0210430 |
| Stddev | .0000417 | .0000550 | .0079618 | .0003206 | .0000877 | .001419  | .0077691 |
| %RSD   | 87.74144 | 69.56158 | 45.18561 | 174.9372 | 91.79128 | 244.1968 | 36.92020 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000095 | .0001093 | .0085065 | .0000626 | .0001249 | -.000590 | .0238796 |
| #2 | .0000922 | .0001125 | .0232235 | -.000060 | .0001647 | -.001996 | .0269952 |
| #3 | .0000411 | .0000156 | .0211307 | .000547  | -.000003 | .000843  | .0122542 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0004654 | .0211438 | -.000324 | -.000152 | .2149040 | -.002934 | -.002150 |
| Stddev | .0004705 | .0141262 | .000204  | .000613  | .0838661 | .003148  | .008170  |
| %RSD   | 101.0893 | 66.81001 | 62.94988 | 402.8882 | 39.02491 | 107.2843 | 379.9790 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000040 | .0079791 | -.000301 | -.000469 | .3115078 | -.006551 | .006795  |
| #2 | .000890  | .0360669 | -.000133 | -.000542 | .1724583 | -.001437 | -.009219 |
| #3 | .000546  | .0193856 | -.000539 | .000555  | .1607458 | -.000815 | -.004027 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0259000 | .0000176 | .0066125 | -.000019 | -.023825 | .0003071 | .0005761 |
| Stddev | .0273062 | .0000717 | .0005545 | .000143  | .001398  | .0010203 | .0009077 |
| %RSD   | 105.4291 | 408.3201 | 8.385193 | 766.6571 | 5.869051 | 332.1950 | 157.5676 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0559556 | .0000264 | .0065963 | .000017  | -.025244 | -.000526 | -.000374 |
| #2 | .0026186 | -.000058 | .0060663 | -.000177 | -.022449 | .000003  | .000668  |
| #3 | .0191259 | .000085  | .0071749 | .000104  | -.023782 | .001445  | .001434  |

Sample Name: CCB009      Acquired: 6/8/2018 12:57:20      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: CCB009      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0006404 | .0009889 | .0001046 |
| Stddev | .0008986 | .0006077 | .0000922 |
| %RSD   | 140.3097 | 61.45642 | 88.20681 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0006166 | .0005172 | .0001543 |
| #2 | .0015507 | .0016747 | .0001613 |
| #3 | -.000246 | .0007748 | -.000002 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2243.573 | 2367.603 | 60038.12 | 7343.308 | 4004.201 |
| Stddev    | 10.944   | 34.896   | 143.69   | 52.017   | 61.345   |
| %RSD      | .4877716 | 1.473909 | .2393270 | .7083536 | 1.532024 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2239.752 | 2407.107 | 60203.20 | 7388.400 | 4073.077 |
| #2 | 2235.052 | 2354.727 | 59941.16 | 7286.400 | 3984.093 |
| #3 | 2255.914 | 2340.974 | 59970.00 | 7355.125 | 3955.433 |

Sample Name: J3155-22      Acquired: 6/8/2018 13:01:31      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MDATX2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0983949 | -.004683 | 1.495314 | -.009385 | .0053514 | 212.0115 |
| Stddev | .0049557 | .001204  | .010452  | .004369  | .0010106 | .3602    |
| %RSD   | 5.036515 | 25.70030 | .6990123 | 46.55579 | 18.88485 | .1699064 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0957169 | -.005636 | 1.492963 | -.013369 | .0055346 | 212.0618 |
| #2 | .1041134 | -.003331 | 1.486237 | -.010073 | .0042617 | 212.3439 |
| #3 | .0953545 | -.005083 | 1.506742 | -.004712 | .0062578 | 211.6287 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | 2.538532 | .0363284 | .0191711 | F 1061.378 | .3797054 | .1171770 |
| Stddev | .011232  | .0003447 | .0001085 | 15.293     | .0005867 | .0008582 |
| %RSD   | .4424547 | .9487648 | .5659121 | 1.440868   | .1545205 | .7324303 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.551421 | .0367034 | .0190653 | 1079.026 | .3796631 | .1164635 |
| #2 | 2.533338 | .0362563 | .0191660 | 1053.093 | .3803121 | .1169381 |
| #3 | 2.530837 | .0360254 | .0192821 | 1052.016 | .3791409 | .1181293 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2858803 | 182.4335 | 14.11078 | 252.7527 | .1695642 | -.006410 |
| Stddev | .0000384 | 1.4552   | .07055   | 1.7035   | .0006341 | .000347  |
| %RSD   | .0134196 | .7976542 | .5000002 | .6739866 | .3739563 | 5.417430 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2858360 | 180.9093 | 14.19221 | 251.2359 | .1696581 | -.006756 |
| #2 | .2859021 | 183.8081 | 14.06794 | 254.5958 | .1688883 | -.006062 |
| #3 | .2859029 | 182.5830 | 14.07219 | 252.4264 | .1701461 | -.006412 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 9.175021 | .2716289 | 3.801801 | 23.86005 | 2.962551 | .3343544 |
| Stddev | .155019  | .0043725 | .006452  | .06279   | .026894  | .0020516 |
| %RSD   | 1.689573 | 1.609734 | .1697213 | .2631420 | .9077990 | .6136084 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.101621 | .2705016 | 3.794351 | 23.93250 | 2.954064 | .3321765 |
| #2 | 9.353107 | .2764547 | 3.805491 | 23.82158 | 2.940924 | .3346360 |
| #3 | 9.070334 | .2679304 | 3.805562 | 23.82607 | 2.992664 | .3362506 |

Sample Name: J3155-22      Acquired: 6/8/2018 13:01:31      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MDATX2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0116557 | 28.68640 | 10.49602 | .0383366 | 7.080018 | .2548200 |
| Stddev | .0003570 | .24207   | .04818   | .0011676 | .025029  | .0019706 |
| %RSD   | 3.062664 | .8438376 | .4590625 | 3.045547 | .3535182 | .7733095 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0112725 | 28.56291 | 10.53994 | .0370723 | 7.052623 | .2562552 |
| #2 | .0117156 | 28.53099 | 10.50366 | .0385634 | 7.101690 | .2556314 |
| #3 | .0119789 | 28.96531 | 10.44448 | .0393742 | 7.085740 | .2525733 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 1.782277 |
| Stddev | .002258  |
| %RSD   | .1266939 |

|    |          |
|----|----------|
| #1 | 1.784535 |
| #2 | 1.782277 |
| #3 | 1.780019 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2629.596 | 2716.863 | 72227.92 | 9641.291 | 2898.347 |
| Stddev    | 15.669   | 14.391   | 117.44   | 66.235   | 19.719   |
| %RSD      | .5958839 | .5296962 | .1625920 | .6869965 | .6803481 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2611.854 | 2714.282 | 72272.13 | 9565.725 | 2905.868 |
| #2 | 2641.540 | 2732.369 | 72316.84 | 9668.850 | 2913.198 |
| #3 | 2635.394 | 2703.936 | 72094.79 | 9689.296 | 2875.974 |

Sample Name: J3153-21      Acquired: 6/8/2018 13:05:38      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MDATR8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2274862 | .0797220 | 5.689706 | -.085589 | .0126806 | 142.8987 |
| Stddev | .0068233 | .0026992 | .159222  | .006893  | .0018005 | .6730    |
| %RSD   | 2.999435 | 3.385734 | 2.798431 | 8.054032 | 14.19896 | .4709591 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2331344 | .0814381 | 5.867207 | -.093448 | .0147594 | 143.1888 |
| #2 | .2199049 | .0811171 | 5.559460 | -.082754 | .0116672 | 143.3780 |
| #3 | .2294193 | .0766108 | 5.642451 | -.080566 | .0116151 | 142.1293 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 7.453413 | .0314219 | .0312838 | 87.65491 | .5473014 | .5897612 |
| Stddev | .023628  | .0002473 | .0009479 | .32432   | .0012615 | .0164262 |
| %RSD   | .3170081 | .7869149 | 3.030075 | .3699994 | .2305009 | 2.785227 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 7.440295 | .0315518 | .0322696 | 87.52414 | .5476231 | .6080196 |
| #2 | 7.480689 | .0315772 | .0303790 | 88.02420 | .5459102 | .5761831 |
| #3 | 7.439254 | .0311368 | .0312028 | 87.41638 | .5483710 | .5850809 |

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576     | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .6787397 | 525.4491 | F 81.44690 | 15.41629 | .3180621 | -.014978 |
| Stddev | .0081386 | 5.0594   | .08538     | .15903   | .0095469 | .000281  |
| %RSD   | 1.199078 | .9628620 | .1048344   | 1.031578 | 3.001590 | 1.877930 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .6775846 | 528.8675 | 81.53774 | 15.59957 | .3283219 | -.015302 |
| #2 | .6873941 | 527.8427 | 81.36829 | 15.31479 | .3094399 | -.014813 |
| #3 | .6712403 | 519.6371 | 81.43468 | 15.33450 | .3164244 | -.014818 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.739927 | .5789754 | 5.573973 | 10.49798 | 2.269604 | .4823386 |
| Stddev | .041398  | .0097639 | .052855  | .05025   | .065179  | .0138303 |
| %RSD   | 1.510899 | 1.686408 | .9482446 | .4786948 | 2.871803 | 2.867341 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.733755 | .5794172 | 5.568198 | 10.53647 | 2.344706 | .4912877 |
| #2 | 2.701962 | .5885109 | 5.629478 | 10.51633 | 2.227804 | .4893187 |
| #3 | 2.784064 | .5689981 | 5.524242 | 10.44113 | 2.236303 | .4664092 |

Sample Name: J3153-21      Acquired: 6/8/2018 13:05:38      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MDATR8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0197992 | 4.672574 | 22.16078 | .0601906 | 1.267588 | .1431223 |
| Stddev | .0000450 | .126053  | .15531   | .0025372 | .011817  | .0010056 |
| %RSD   | .2274218 | 2.697723 | .7008469 | 4.215248 | .9322177 | .7026183 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0198433 | 4.818081 | 22.30902 | .0620545 | 1.271614 | .1431208 |
| #2 | .0197533 | 4.596637 | 22.17407 | .0573012 | 1.276866 | .1441286 |
| #3 | .0198010 | 4.603004 | 21.99925 | .0612162 | 1.254285 | .1421174 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .5385622 |
| Stddev | .0012410 |
| %RSD   | .2304244 |

|    |          |
|----|----------|
| #1 | .5399784 |
| #2 | .5380434 |
| #3 | .5376648 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2847.208 | 2934.970 | 77305.64 | 9706.687 | 3514.596 |
| Stddev    | 11.803   | 49.148   | 307.51   | 40.754   | 82.763   |
| %RSD      | .4145330 | 1.674561 | .3977806 | .4198597 | 2.354823 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2860.720 | 2879.226 | 77647.37 | 9666.050 | 3421.016 |
| #2 | 2841.988 | 2972.061 | 77218.29 | 9706.453 | 3578.170 |
| #3 | 2838.914 | 2953.622 | 77051.25 | 9747.558 | 3544.601 |

Sample Name: PB110083BL      Acquired: 6/8/2018 13:09:35      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: PBW001      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.002531 | .0015290 | -.001515 | -.002031 | .0008675 | .0157674 | .0008742 |
| Stddev | .001279  | .0001882 | .001873  | .002412  | .0013051 | .0083575 | .0003006 |
| %RSD   | 50.52041 | 12.31087 | 123.6417 | 118.7494 | 150.4493 | 53.00483 | 34.38896 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.001479 | .0014062 | -.001936 | -.003175 | .0009731 | .0159670 | .0011754 |
| #2 | -.002161 | .0014352 | -.003142 | .000740  | .0021166 | .0240233 | .0005742 |
| #3 | -.003954 | .0017457 | .000533  | -.003659 | -.000487 | .0073119 | .0008730 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000029 | .0000815 | .0148887 | .0000606 | -.000082 | -.001365 | .0469225 |
| Stddev | .000075  | .0000288 | .0069405 | .0001093 | .000153  | .000113  | .0177510 |
| %RSD   | 263.4892 | 35.32534 | 46.61566 | 180.4866 | 186.0572 | 8.248707 | 37.83051 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .000006  | .0001084 | .0151819 | .0000537 | .000009  | -.001418 | .0282005 |
| #2 | .000023  | .0000850 | .0216780 | -.000045 | -.000259 | -.001236 | .0635094 |
| #3 | -.000115 | .0000511 | .0078063 | .000173  | .000003  | -.001442 | .0490578 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0060093 | .0167755 | -.000063 | -.000043 | .2210581 | -.004072 | .0017628 |
| Stddev | .0023468 | .0094219 | .000246  | .000375  | .0901093 | .003528  | .0006323 |
| %RSD   | 39.05337 | 56.16455 | 391.8120 | 874.4425 | 40.76271 | 86.65997 | 35.86652 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0037853 | .0193807 | .000220  | -.000470 | .1934002 | -.002301 | .0012369 |
| #2 | .0084622 | .0246206 | -.000229 | .000110  | .1480196 | -.008135 | .0015872 |
| #3 | .0057805 | .0063251 | -.000179 | .000232  | .3217546 | -.001779 | .0024643 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0064615 | .0002663 | .0020918 | -.000216 | -.021190 | .0048591 | .0003974 |
| Stddev | .0269769 | .0001713 | .0003800 | .000080  | .002246  | .0006066 | .0010750 |
| %RSD   | 417.5045 | 64.32578 | 18.16502 | 36.77194 | 10.59766 | 12.48395 | 270.5016 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.024662 | .0000941 | .0018944 | -.000127 | -.023446 | .0054847 | -.000801 |
| #2 | .020908  | .0004366 | .0025299 | -.000281 | -.021167 | .0048191 | .001278  |
| #3 | .023139  | .0002681 | .0018511 | -.000241 | -.018955 | .0042735 | .000715  |

Sample Name: PB110083BL      Acquired: 6/8/2018 13:09:35      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: PBW001      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.000105 | .0003537 | .0000515 |
| Stddev | .001789  | .0003683 | .0000200 |
| %RSD   | 1699.997 | 104.1304 | 38.83714 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .000659  | .0000070 | .0000707 |
| #2 | -.002150 | .0003137 | .0000308 |
| #3 | .001175  | .0007403 | .0000529 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2247.979 | 2385.836 | 59882.62 | 7407.883 | 4018.292 |
| Stddev    | 59.780   | 11.576   | 1506.98  | 264.836  | 14.805   |
| %RSD      | 2.659284 | .4852168 | 2.516554 | 3.575061 | .3684356 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2179.583 | 2372.628 | 58142.75 | 7566.550 | 4001.580 |
| #2 | 2290.247 | 2390.661 | 60777.72 | 7102.150 | 4023.530 |
| #3 | 2274.108 | 2394.220 | 60727.39 | 7554.950 | 4029.766 |

Sample Name: PB110083BS      Acquired: 6/8/2018 13:13:46      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: LCS001      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0163048 | .0526718 | .0188190 | .0667622 | .1100789 | .3758511 |
| Stddev | .0016719 | .0007495 | .0004380 | .0016768 | .0007914 | .0071253 |
| %RSD   | 10.25391 | 1.422929 | 2.327220 | 2.511656 | .7189396 | 1.895790 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0145771 | .0535225 | .0183202 | .0668859 | .1107076 | .3761976 |
| #2 | .0179146 | .0521087 | .0189966 | .0650269 | .1103388 | .3685588 |
| #3 | .0164225 | .0523841 | .0191404 | .0683737 | .1091902 | .3827969 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3835347 | .0097530 | .0096215 | 9.646282 | .0212414 | .0927972 |
| Stddev | .0010568 | .0000919 | .0000771 | .036659  | .0002093 | .0001310 |
| %RSD   | .2755321 | .9425795 | .8013457 | .3800357 | .9855603 | .1411650 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3841732 | .0097046 | .0097098 | 9.665935 | .0211347 | .0929405 |
| #2 | .3823150 | .0096953 | .0095873 | 9.603987 | .0211069 | .0926837 |
| #3 | .3841161 | .0098590 | .0095675 | 9.668925 | .0214826 | .0927674 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0484255 | .2051144 | .0321858 | 8.981202 | .0780477 | .0182346 |
| Stddev | .0004794 | .0098074 | .0004376 | .071668  | .0005356 | .0001924 |
| %RSD   | .9899775 | 4.781428 | 1.359603 | .7979760 | .6862383 | 1.055086 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0483483 | .2084195 | .0326901 | 8.993757 | .0781226 | .0180229 |
| #2 | .0479893 | .1940814 | .0319061 | 8.904086 | .0774786 | .0183987 |
| #3 | .0489388 | .2128422 | .0319612 | 9.045763 | .0785419 | .0182821 |

|        |          |          |          |          |            |            |
|--------|----------|----------|----------|----------|------------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm        |
| Avg    | 9.250544 | .0969684 | .1130327 | 9.063442 | F .0044430 | F .0208118 |
| Stddev | .138344  | .0071295 | .0043643 | .112320  | .0001342   | .0012175   |
| %RSD   | 1.495528 | 7.352361 | 3.861067 | 1.239265 | 3.020483   | 5.850185   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.396475 | .0920019 | .1180295 | 9.100909 | .0043254 | .0194901 |
| #2 | 9.121299 | .0937657 | .1099680 | 9.152240 | .0044145 | .0210576 |
| #3 | 9.233857 | .1051376 | .1111006 | 8.937178 | .0045892 | .0218876 |

Sample Name: PB110083BS      Acquired: 6/8/2018 13:13:46      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: LCS001      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0188342 | .1426404 | .1847265 | F .0133145 | .1926175 | .0890468 |
| Stddev | .0002873 | .0008013 | .0017525 | .0010561   | .0025499 | .0008070 |
| %RSD   | 1.525552 | .5617393 | .9487131 | 7.931918   | 1.323817 | .9062812 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0191333 | .1433830 | .1831736 | .0133977 | .1898760 | .0883126 |
| #2 | .0185604 | .1417911 | .1866266 | .0143266 | .1930581 | .0889170 |
| #3 | .0188089 | .1427471 | .1843792 | .0122193 | .1949184 | .0899109 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1932189 |
| Stddev | .0003428 |
| %RSD   | .1773889 |

|    |          |
|----|----------|
| #1 | .1933388 |
| #2 | .1934856 |
| #3 | .1928323 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2268.890 | 2381.079 | 60702.17 | 7469.371 | 3987.253 |
| Stddev    | 18.332   | 6.977    | 189.30   | 36.238   | 13.357   |
| %RSD      | .8079655 | .2930179 | .3118542 | .4851544 | .3349803 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2258.877 | 2373.025 | 60653.05 | 7471.434 | 3971.836 |
| #2 | 2257.746 | 2384.952 | 60542.26 | 7432.145 | 3994.589 |
| #3 | 2290.048 | 2385.260 | 60911.19 | 7504.533 | 3995.334 |

Sample Name: J3380-15      Acquired: 6/8/2018 13:17:54      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GL0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000728 | .0018365 | -.001612 | -.000026 | -.001439 | .0089419 | .0011160 |
| Stddev | .0013677 | .0009293 | .001203  | .003806  | .000684  | .0103074 | .0004298 |
| %RSD   | 1878.527 | 50.60522 | 74.63266 | 14891.99 | 47.52230 | 115.2711 | 38.51089 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0010683 | .0024016 | -.001928 | .004365  | -.000665 | .0174200 | .0006436 |
| #2 | -.001487 | .0007639 | -.002624 | -.002405 | -.001960 | .0119370 | .0014838 |
| #3 | .000637  | .0023439 | -.000282 | -.002036 | -.001691 | -.002531 | .0012205 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0001389 | .0000414 | .0132334 | .0001542 | .0001182 | -.000186 | .0078403 |
| Stddev | .0000551 | .0000262 | .0017407 | .0003926 | .0003450 | .002822  | .0120226 |
| %RSD   | 39.70823 | 63.38807 | 13.15415 | 254.6561 | 291.8462 | 1520.700 | 153.3432 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0001014 | .0000699 | .0143396 | .0000222 | -.000253 | -.003423 | .0105558 |
| #2 | .0002022 | .0000183 | .0141336 | .0005958 | .000429  | .001751  | -.005308 |
| #3 | .0001131 | .0000359 | .0112269 | -.000155 | .000178  | .001116  | .018273  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0004408 | .0297605 | .0001940 | -.000510 | .5929854 | -.002325 | -.004461 |
| Stddev | .0008699 | .0244282 | .0001572 | .000125  | .1258101 | .006378  | .002914  |
| %RSD   | 197.3669 | 82.08253 | 81.03384 | 24.45453 | 21.21640 | 274.3050 | 65.31898 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0008588 | .0579141 | .0003305 | -.000606 | .6192932 | -.004729 | -.005519 |
| #2 | -.000559 | .0171900 | .0000221 | -.000556 | .4561015 | .004906  | -.006697 |
| #3 | .001023  | .0141774 | .0002295 | -.000369 | .7035616 | -.007152 | -.001166 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.701342 | -.000168 | .0000535 | .0000080 | .0017476 | .0120109 | -.000261 |
| Stddev | .001633  | .000315  | .0008529 | .0002012 | .0053770 | .0018075 | .000405  |
| %RSD   | .2328777 | 187.3337 | 1594.334 | 2532.839 | 307.6705 | 15.04875 | 155.4350 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.699867 | -.000453 | -.000149 | .0002375 | .0079557 | .0138476 | .000062  |
| #2 | -.701061 | .000170  | .000989  | -.000076 | -.001274 | .0102341 | -.000128 |
| #3 | -.703097 | -.000220 | -.000680 | -.000138 | -.001438 | .0119509 | -.000715 |

Sample Name: J3380-15      Acquired: 6/8/2018 13:17:54      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GL0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0013150 | -.002621 | .0000567 |
| Stddev | .0014677 | .000601  | .0000134 |
| %RSD   | 111.6078 | 22.94511 | 23.63404 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0021460 | -.003060 | .0000721 |
| #2 | -.000380 | -.002867 | .0000478 |
| #3 | .002179  | -.001935 | .0000502 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2457.524 | 2567.002 | 64528.13 | 7814.883 | 4332.586 |
| Stddev    | 13.531   | 31.094   | 228.48   | 42.154   | 51.494   |
| %RSD      | .5505890 | 1.211311 | .3540855 | .5394005 | 1.188526 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2461.774 | 2574.556 | 64526.71 | 7772.075 | 4351.428 |
| #2 | 2468.420 | 2593.623 | 64757.32 | 7816.225 | 4372.006 |
| #3 | 2442.379 | 2532.827 | 64300.36 | 7856.350 | 4274.325 |

Sample Name: PB110093BL      Acquired: 6/8/2018 13:54:51      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: PBW001      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.001407 | -.000691 | -.003470 | .0010761 | .0001192 | .0044965 | -.000137 |
| Stddev | .002715  | .001305  | .000364  | .0004126 | .0003873 | .0065645 | .000092  |
| %RSD   | 193.0247 | 188.6732 | 10.49217 | 38.34508 | 324.9882 | 145.9929 | 67.13751 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000801 | -.000025 | -.003685 | .0008931 | -.000321 | -.003072 | -.000144 |
| #2 | -.004373 | -.002195 | -.003676 | .0007866 | .000409  | .007918  | -.000042 |
| #3 | .000955  | .000145  | -.003050 | .0015485 | .000269  | .008644  | -.000226 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000477 | .0000480 | .0048321 | -.000186 | .0001437 | .0003432 | .0015857 |
| Stddev | .0000661 | .0000187 | .0070251 | .000286  | .0002356 | .0006315 | .0052952 |
| %RSD   | 138.7991 | 38.96010 | 145.3841 | 153.4130 | 163.9001 | 184.0321 | 333.9363 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000700 | .0000344 | .0065124 | -.000294 | -.000119 | -.000376 | .0068007 |
| #2 | .0000997 | .0000693 | .0108647 | -.000403 | .000335  | .000807  | -.003786 |
| #3 | -.000027 | .0000403 | -.002881 | .000138  | .000216  | .000599  | .001742  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0002624 | -.001374 | -.000370 | .0002212 | .0612826 | -.002220 | -.000783 |
| Stddev | .0004434 | .031870  | .000387  | .0001546 | .0881711 | .001712  | .005823  |
| %RSD   | 168.9640 | 2319.083 | 104.5018 | 69.89358 | 143.8763 | 77.10889 | 743.4788 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000222 | .001507  | -.000072 | .0003997 | -.037692 | -.000507 | .003446  |
| #2 | .000360  | -.034587 | -.000808 | .0001278 | .131436  | -.003931 | -.007424 |
| #3 | .000649  | .028958  | -.000231 | .0001361 | .090104  | -.002223 | .001628  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0086838 | -.000094 | -.001572 | .0002393 | -.016432 | .0001818 | .0006240 |
| Stddev | .0470778 | .000115  | .001046  | .0000793 | .003249  | .0010277 | .0007728 |
| %RSD   | 542.1317 | 122.2465 | 66.50602 | 33.13176 | 19.76990 | 565.3406 | 123.8509 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0399415 | -.000160 | -.002679 | .0003080 | -.014315 | -.000583 | .0014197 |
| #2 | -.045462 | .000039  | -.001438 | .0001525 | -.020173 | -.000222 | -.000124 |
| #3 | .031572  | -.000161 | -.000600 | .0002575 | -.014809 | .001350  | .000576  |

Sample Name: PB110093BL      Acquired: 6/8/2018 13:54:51      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: PBW001      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0014081 | -.001139 | .0000248 |
| Stddev | .0008434 | .001324  | .0000642 |
| %RSD   | 59.89883 | 116.2937 | 258.4734 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0018408 | -.001849 | -.000030 |
| #2 | .0004361 | .000389  | .000096  |
| #3 | .0019473 | -.001957 | .000009  |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2251.703 | 2323.089 | 60586.91 | 7414.367 | 3926.320 |
| Stddev    | 16.809   | 34.289   | 406.58   | 41.218   | 64.193   |
| %RSD      | .7464969 | 1.476009 | .6710631 | .5559170 | 1.634933 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2256.059 | 2283.505 | 60578.70 | 7423.800 | 3852.315 |
| #2 | 2265.905 | 2342.105 | 60997.53 | 7369.250 | 3959.704 |
| #3 | 2233.145 | 2343.656 | 60184.50 | 7450.050 | 3966.942 |

Sample Name: PB110093BS      Acquired: 6/8/2018 13:59:01      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: LCS001      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0183450 | .0533479 | .0181667 | .0668063 | .1117861 | .3722076 |
| Stddev | .0005433 | .0004108 | .0019923 | .0034705 | .0039896 | .0104924 |
| %RSD   | 2.961317 | .7700758 | 10.96693 | 5.194895 | 3.568974 | 2.818972 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0178605 | .0537649 | .0174672 | .0708062 | .1106180 | .3602511 |
| #2 | .0189323 | .0533350 | .0166185 | .0645947 | .1085109 | .3798805 |
| #3 | .0182423 | .0529436 | .0204145 | .0650179 | .1162294 | .3764912 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3828048 | .0095878 | .0096604 | 9.551010 | .0208143 | .0932773 |
| Stddev | .0012006 | .0001481 | .0001304 | .022105  | .0000946 | .0010779 |
| %RSD   | .3136392 | 1.545126 | 1.349337 | .2314435 | .4547234 | 1.155623 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3817892 | .0094480 | .0095513 | 9.551229 | .0209225 | .0926320 |
| #2 | .3841299 | .0095721 | .0096253 | 9.573005 | .0207471 | .0926783 |
| #3 | .3824953 | .0097431 | .0098047 | 9.528797 | .0207732 | .0945217 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0503242 | .2242413 | .0313402 | 8.953351 | .0786838 | .0183089 |
| Stddev | .0013536 | .0045609 | .0001111 | .086609  | .0007970 | .0002647 |
| %RSD   | 2.689820 | 2.033939 | .3544532 | .9673405 | 1.012931 | 1.445909 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0514656 | .2254109 | .0312139 | 8.863547 | .0780138 | .0184760 |
| #2 | .0506783 | .2281035 | .0314228 | 9.036366 | .0784723 | .0184470 |
| #3 | .0488287 | .2192094 | .0313839 | 8.960141 | .0795652 | .0180037 |

|        |          |          |          |          |            |            |
|--------|----------|----------|----------|----------|------------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm        |
| Avg    | 9.258720 | .0965624 | .1160527 | 9.106232 | F .0044804 | F .0180485 |
| Stddev | .208050  | .0009389 | .0007927 | .033262  | .0001625   | .0014197   |
| %RSD   | 2.247072 | .9723623 | .6830603 | .3652635 | 3.626923   | 7.866117   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.335007 | .0957003 | .1169665 | 9.073729 | .0043234 | .0174300 |
| #2 | 9.417859 | .0964242 | .1156410 | 9.104764 | .0044699 | .0196726 |
| #3 | 9.023295 | .0975628 | .1155505 | 9.140204 | .0046479 | .0170430 |

Sample Name: PB110093BS      Acquired: 6/8/2018 13:59:01      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: LCS001      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0193305 | .1474573 | .1812090 | F .0138783 | .1905613 | .0876900 |
| Stddev | .0003635 | .0065853 | .0021764 | .0005668   | .0012883 | .0003717 |
| %RSD   | 1.880295 | 4.465909 | 1.201036 | 4.084358   | .6760655 | .4238903 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0196588 | .1464419 | .1823761 | .0141643 | .1915021 | .0874213 |
| #2 | .0189400 | .1414387 | .1786979 | .0132254 | .1890929 | .0881142 |
| #3 | .0193928 | .1544913 | .1825528 | .0142451 | .1910888 | .0875345 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1909486 |
| Stddev | .0001529 |
| %RSD   | .0800575 |

|    |          |
|----|----------|
| #1 | .1907726 |
| #2 | .1910489 |
| #3 | .1910243 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2259.547 | 2355.219 | 60506.45 | 7503.693 | 3953.308 |
| Stddev    | 8.967    | 14.335   | 79.35    | 15.088   | 28.503   |
| %RSD      | .3968480 | .6086586 | .1311365 | .2010735 | .7209947 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2255.672 | 2362.634 | 60450.58 | 7487.737 | 3968.191 |
| #2 | 2253.169 | 2364.328 | 60597.27 | 7517.729 | 3971.289 |
| #3 | 2269.800 | 2338.695 | 60471.51 | 7505.614 | 3920.444 |

Sample Name: J3364-04      Acquired: 6/8/2018 14:03:06      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.001787 | .0012258 | -.001989 | .0009267 | -.000589 | .0041134 | .0004368 |
| Stddev | .002690  | .0020131 | .000723  | .0009308 | .001632  | .0074538 | .0000342 |
| %RSD   | 150.5491 | 164.2319 | 36.37051 | 100.4407 | 277.0324 | 181.2078 | 7.831097 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .000197  | .0035001 | -.001199 | .0004900 | .001026  | .0126471 | .0004736 |
| #2 | -.004849 | .0005050 | -.002620 | .0019956 | -.000556 | -.001124 | .0004308 |
| #3 | -.000709 | -.000328 | -.002148 | .0002946 | -.002238 | .000817  | .0004060 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000631 | -.000018 | .0106473 | -.000231 | -.000062 | -.000500 | .0075355 |
| Stddev | .0000308 | .000022  | .0078058 | .000438  | .000147  | .002332  | .0091873 |
| %RSD   | 48.85734 | 117.9216 | 73.31251 | 189.3914 | 238.2293 | 466.6627 | 121.9201 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000335 | -.000040 | .0163236 | -.000737 | .000097  | -.001193 | .0174744 |
| #2 | .0000950 | -.000018 | .0017457 | .000010  | -.000191 | -.002406 | .0057784 |
| #3 | .0000607 | .000003  | .0138724 | .000033  | -.000091 | .002100  | -.000646 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0003102 | -.004262 | -.000035 | -.000343 | .5617062 | .0010081 | .0015021 |
| Stddev | .0004991 | .028705  | .000120  | .000104  | .1155843 | .0014840 | .0104061 |
| %RSD   | 160.8867 | 673.4284 | 345.2000 | 30.24736 | 20.57736 | 147.2123 | 692.7901 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0008546 | -.028097 | .000104  | -.000459 | .6894947 | -.000013 | -.002379 |
| #2 | -.000126 | .027602  | -.000108 | -.000260 | .5311632 | .000327  | .013291  |
| #3 | .000202  | -.012293 | -.000100 | -.000309 | .4644607 | .002710  | -.006405 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.697433 | .0000870 | -.001609 | .0000553 | .0001935 | .0073990 | .0003145 |
| Stddev | .018851  | .0002318 | .001022  | .0001405 | .0037910 | .0013752 | .0006814 |
| %RSD   | 2.702925 | 266.3889 | 63.50419 | 253.8700 | 1958.759 | 18.58585 | 216.6863 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.694133 | -.000139 | -.000672 | .0000572 | .0045698 | .0082270 | -.000300 |
| #2 | -.717716 | .000324  | -.001456 | -.000086 | -.001905 | .0058116 | .001047  |
| #3 | -.680450 | .000077  | -.002698 | .000195  | -.002084 | .0081585 | .000196  |

Sample Name: J3364-04      Acquired: 6/8/2018 14:03:06      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1:      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0006637 | -.003193 | -.000005 |
| Stddev | .0005308 | .000325  | .000026  |
| %RSD   | 79.98152 | 10.17803 | 501.5896 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0010630 | -.002870 | .000024  |
| #2 | .0008667 | -.003520 | -.000018 |
| #3 | .0000613 | -.003190 | -.000022 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2345.524 | 2533.697 | 61764.56 | 7764.525 | 4278.672 |
| Stddev    | 59.308   | 11.277   | 1993.11  | 146.481  | 13.252   |
| %RSD      | 2.528556 | .4451005 | 3.226945 | 1.886540 | .3097271 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2344.943 | 2542.411 | 62374.28 | 7806.550 | 4287.284 |
| #2 | 2286.509 | 2537.720 | 59537.81 | 7885.400 | 4285.321 |
| #3 | 2405.121 | 2520.959 | 63381.59 | 7601.625 | 4263.412 |

Sample Name: CCV010      Acquired: 6/8/2018 14:39:41      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCV010      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.095351 | 5.364926 | 25.05737 | 4.953379 | 5.117500 | 398.1436 |
| Stddev | .023271  | .023764  | .03635   | .032492  | .002440  | 2.0844   |
| %RSD   | .4567070 | .4429535 | .1450495 | .6559646 | .0476736 | .5235273 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 5.121949 | 5.380636 | 25.09198 | 4.984508 | 5.120284 | 398.0006 |
| #2 | 5.078743 | 5.337587 | 25.01950 | 4.919676 | 5.115738 | 396.1344 |
| #3 | 5.085361 | 5.376556 | 25.06062 | 4.955951 | 5.116477 | 400.2958 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 10.41197 | .4989256 | 2.529124 | 398.9998 | 15.29032 | 2.582408 |
| Stddev | .07298   | .0057751 | .009384  | 2.9001   | .48813   | .011527  |
| %RSD   | .7008805 | 1.157504 | .3710217 | .7268303 | 3.192396 | .4463502 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 10.39315 | .4958302 | 2.535777 | 397.4715 | 15.44558 | 2.588132 |
| #2 | 10.35024 | .4953581 | 2.518391 | 397.1835 | 14.74344 | 2.569139 |
| #3 | 10.49251 | .5055885 | 2.533205 | 402.3443 | 15.68193 | 2.589952 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 15.54463 | 391.4663 | 15.08797 | 390.9557 | 2.574397 | 1.261855 |
| Stddev | .09001   | .8561    | .11505   | 1.0380   | .008177  | .037120  |
| %RSD   | .5790723 | .2186912 | .7625198 | .2655027 | .3176366 | 2.941735 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 15.52340 | 391.7920 | 15.00014 | 391.1991 | 2.580006 | 1.283836 |
| #2 | 15.46713 | 390.4951 | 15.04557 | 389.8177 | 2.565014 | 1.218997 |
| #3 | 15.64337 | 392.1117 | 15.21820 | 391.8504 | 2.578170 | 1.282732 |

|        |          |          |          |          |            |          |
|--------|----------|----------|----------|----------|------------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm      |
| Avg    | 393.5417 | 2.493270 | 14.03996 | 154.7619 | F 1.410230 | 4.982821 |
| Stddev | 1.8747   | .012247  | .37922   | 1.0202   | .007661    | .047150  |
| %RSD   | .4763760 | .4911928 | 2.701039 | .6591979 | .5432780   | .9462532 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 394.2309 | 2.505598 | 14.27611 | 154.4834 | 1.413258 | 4.945137 |
| #2 | 391.4198 | 2.481106 | 13.60253 | 153.9098 | 1.401517 | 4.967632 |
| #3 | 394.9742 | 2.493106 | 14.24124 | 155.8924 | 1.415914 | 5.035694 |

Sample Name: CCV010      Acquired: 6/8/2018 14:39:41      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCV010      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.894873 | 5.250679 | 5.042676 | 5.095201 | 4.968334 | 5.094511 |
| Stddev | .009509  | .018430  | .070682  | .018351  | .025101  | .035635  |
| %RSD   | .1942617 | .3509960 | 1.401683 | .3601710 | .5052136 | .6994713 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.900234 | 5.261889 | 4.993354 | 5.108998 | 4.963171 | 5.092969 |
| #2 | 4.883894 | 5.229408 | 5.011021 | 5.074374 | 4.946217 | 5.059672 |
| #3 | 4.900490 | 5.260738 | 5.123653 | 5.102232 | 4.995615 | 5.130892 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | 5.017447 |
| Stddev | .075481  |
| %RSD   | 1.504373 |

|    |          |
|----|----------|
| #1 | 4.969199 |
| #2 | 4.978710 |
| #3 | 5.104432 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1874.615 | 1908.884 | 52807.63 | 6929.800 | 2908.672 |
| Stddev    | 53.176   | 5.956    | 1532.65  | 42.793   | 12.024   |
| %RSD      | 2.836652 | .3120302 | 2.902328 | .6175159 | .4133930 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1842.438 | 1903.473 | 52078.12 | 6940.349 | 2899.128 |
| #2 | 1935.993 | 1915.266 | 54568.76 | 6966.331 | 2922.177 |
| #3 | 1845.412 | 1907.914 | 51776.00 | 6882.719 | 2904.710 |

Sample Name: CCB010      Acquired: 6/8/2018 14:43:34      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCB010      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.004699 | .0014369 | -.002862 | -.000170 | -.000393 | .0060005 | -.000251 |
| Stddev | .002639  | .0001922 | .001297  | .001921  | .001090  | .0070772 | .000368  |
| %RSD   | 56.15939 | 13.37430 | 45.32763 | 1132.788 | 277.5966 | 117.9437 | 146.3602 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.002790 | .0015772 | -.004333 | -.001504 | .000641  | .0065991 | -.000607 |
| #2 | -.007711 | .0015157 | -.002367 | -.001038 | -.000288 | -.001357 | -.000274 |
| #3 | -.003597 | .0012179 | -.001884 | .002032  | -.001531 | .012759  | .000127  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000217 | .0000952 | .0104877 | .0003301 | .0000577 | .0009783 | .0059977 |
| Stddev | .0000329 | .0000308 | .0054889 | .0005459 | .0002343 | .0021861 | .0068555 |
| %RSD   | 151.3876 | 32.31704 | 52.33694 | 165.3574 | 405.9974 | 223.4485 | 114.3026 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000062 | .0001191 | .0056147 | .0008323 | .0001254 | .0028620 | .0053628 |
| #2 | -.000001 | .0001059 | .0094143 | -.000251 | -.000203 | .0014918 | -.000518 |
| #3 | .000060  | .0000605 | .0164340 | .000409  | .000251  | -.001419 | .013148  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0003168 | .0078017 | -.000222 | -.000405 | .1894959 | .0003423 | .0041417 |
| Stddev | .0009144 | .0024505 | .000413  | .000272  | .0122022 | .0034230 | .0054824 |
| %RSD   | 288.6240 | 31.41006 | 185.8271 | 67.03246 | 6.439269 | 1000.103 | 132.3714 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0012554 | .0077052 | -.000473 | -.000289 | .1772622 | .0040297 | -.001277 |
| #2 | .0002666 | .0102991 | .000254  | -.000211 | .1895591 | -.002734 | .004017  |
| #3 | -.000571 | .0054009 | -.000448 | -.000716 | .2016663 | -.000269 | .009686  |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0363880 | -.000114 | .0045067 | .0001141 | -.019784 | -.000426 | .0003421 |
| Stddev | .0236425 | .000031  | .0013125 | .0001319 | .002689  | .001021  | .0003571 |
| %RSD   | 64.97337 | 27.05979 | 29.12394 | 115.6033 | 13.59267 | 239.4454 | 104.3889 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0633249 | -.000137 | .0037570 | -.000038 | -.020240 | -.000357 | .0005637 |
| #2 | .0267630 | -.000079 | .0060222 | .000189  | -.016896 | .000558  | -.000070 |
| #3 | .0190762 | -.000125 | .0037408 | .000192  | -.022216 | -.001481 | .000533  |

Sample Name: CCB010      Acquired: 6/8/2018 14:43:34      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: CCB010      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0005133 | -.000168 | .0001197 |
| Stddev | .0006323 | .001146  | .0000388 |
| %RSD   | 123.1899 | 681.2729 | 32.40277 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0001770 | .000857  | .0001278 |
| #2 | .0001201 | .000043  | .0000776 |
| #3 | .0012427 | -.001405 | .0001539 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2236.239 | 2348.047 | 60083.63 | 7392.542 | 3956.541 |
| Stddev    | 14.502   | 2.514    | 58.47    | 27.912   | 4.244    |
| %RSD      | .6485001 | .1070523 | .0973118 | .3775741 | .1072761 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2222.367 | 2349.465 | 60027.63 | 7394.900 | 3960.324 |
| #2 | 2251.298 | 2349.532 | 60078.96 | 7363.525 | 3957.347 |
| #3 | 2235.052 | 2345.145 | 60144.29 | 7419.200 | 3951.951 |

Sample Name: PB110084BL      Acquired: 6/8/2018 14:55:06      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: PBS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000405 | .0012165 | -.002374 | -.000002 | .0003142 | .0071721 | -.000867 |
| Stddev | .002594  | .0028241 | .001205  | .002212  | .0014332 | .0023929 | .000642  |
| %RSD   | 640.1348 | 232.1518 | 50.75944 | 130677.8 | 456.1505 | 33.36311 | 74.07970 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .000839  | -.001152 | -.001272 | .002347  | .0017963 | .0070450 | -.000419 |
| #2 | -.003387 | .000459  | -.002189 | -.002045 | -.001065 | .0096260 | -.000579 |
| #3 | .001332  | .004342  | -.003661 | -.000307 | .000211  | .0048454 | -.001603 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000406 | .0000234 | -.002692 | .0002173 | .0001578 | .0008664 | .0037209 |
| Stddev | .0000470 | .0000674 | .005366  | .0001883 | .0001875 | .0024204 | .0124513 |
| %RSD   | 115.8692 | 288.3350 | 199.3453 | 86.68472 | 118.8371 | 279.3703 | 334.6341 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000883 | -.000043 | .003464  | .0000737 | .0002448 | .0026867 | .0073888 |
| #2 | -.000006 | .000020  | -.005158 | .0001476 | -.000057 | -.001880 | .0139262 |
| #3 | .000039  | .000092  | -.006383 | .0004305 | .000286  | .001793  | -.010152 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000437 | -.008384 | -.000032 | -.000109 | .0234908 | -.003980 | -.004495 |
| Stddev | .000610  | .015289  | .000652  | .000318  | .1134495 | .002363  | .005410  |
| %RSD   | 139.6553 | 182.3665 | 2065.112 | 290.9451 | 482.9521 | 59.37231 | 120.3445 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .000092  | -.007299 | -.000195 | -.000300 | -.023928 | -.006108 | .000156  |
| #2 | -.000298 | .006334  | -.000587 | .000258  | -.058556 | -.004394 | -.010432 |
| #3 | -.001104 | -.024187 | .000687  | -.000286 | .152956  | -.001437 | -.003209 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0036227 | .0002348 | .0002862 | -.000198 | -.019254 | -.000946 | .0003602 |
| Stddev | .0053958 | .0002507 | .0000654 | .000095  | .005032  | .000630  | .0006409 |
| %RSD   | 148.9438 | 106.7394 | 22.85196 | 47.87846 | 26.13373 | 66.52344 | 177.9313 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0063251 | -.000029 | .0003531 | -.000233 | -.024993 | -.001285 | .0010438 |
| #2 | .0071334 | .000469  | .0002224 | -.000270 | -.017165 | -.000220 | -.000227 |
| #3 | -.002590 | .000264  | .0002831 | -.000091 | -.015603 | -.001334 | .000264  |

Sample Name: PB110084BL      Acquired: 6/8/2018 14:55:06      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: PBS002      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | -.001202 | -.000781 | -.000028 |
| Stddev | .000106  | .001437  | .000022  |
| %RSD   | 8.792292 | 184.0403 | 76.71295 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | -.001238 | .000458  | -.000003 |
| #2 | -.001083 | -.000444 | -.000039 |
| #3 | -.001284 | -.002357 | -.000042 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2229.349 | 2350.319 | 60183.39 | 7520.708 | 3957.254 |
| Stddev    | 8.323    | 9.519    | 149.33   | 31.288   | 13.040   |
| %RSD      | .3733252 | .4049949 | .2481325 | .4160180 | .3295281 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2225.614 | 2361.172 | 60286.64 | 7553.550 | 3972.161 |
| #2 | 2238.886 | 2346.399 | 60012.16 | 7491.250 | 3951.635 |
| #3 | 2223.549 | 2343.387 | 60251.37 | 7517.325 | 3947.965 |

Sample Name: PB110084BS      Acquired: 6/8/2018 14:59:17      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: LCS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0182225 | .0512952 | .0183114 | .0654618 | .1125488 | .3763729 |
| Stddev | .0029805 | .0037394 | .0005168 | .0025025 | .0007611 | .0030363 |
| %RSD   | 16.35629 | 7.289938 | 2.822439 | 3.822887 | .6762459 | .8067363 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0214748 | .0472837 | .0177973 | .0625832 | .1116884 | .3777131 |
| #2 | .0175713 | .0519175 | .0188309 | .0666817 | .1128239 | .3785084 |
| #3 | .0156214 | .0546843 | .0183060 | .0671204 | .1131342 | .3728970 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3853152 | .0094556 | .0097475 | 9.593189 | .0211466 | .0944464 |
| Stddev | .0011511 | .0000267 | .0000833 | .051293  | .0000760 | .0003945 |
| %RSD   | .2987527 | .2826661 | .8547111 | .5346829 | .3595743 | .4176645 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3842757 | .0094299 | .0096568 | 9.548282 | .0211730 | .0945068 |
| #2 | .3865524 | .0094538 | .0098207 | 9.649087 | .0210609 | .0940252 |
| #3 | .3851176 | .0094832 | .0097649 | 9.582199 | .0212060 | .0948072 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0493095 | .2154398 | .0306824 | 8.891596 | .0788877 | .0183695 |
| Stddev | .0022524 | .0040624 | .0004838 | .036547  | .0009918 | .0002012 |
| %RSD   | 4.567809 | 1.885624 | 1.576865 | .4110238 | 1.257247 | 1.095364 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0484173 | .2152528 | .0308380 | 8.917049 | .0786587 | .0181714 |
| #2 | .0518713 | .2114742 | .0301399 | 8.849719 | .0780303 | .0183636 |
| #3 | .0476400 | .2195925 | .0310692 | 8.908020 | .0799739 | .0185737 |

|        |          |          |          |          |            |            |
|--------|----------|----------|----------|----------|------------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm        |
| Avg    | 9.222969 | .0955152 | .1147517 | 9.064485 | F .0044179 | F .0184107 |
| Stddev | .072267  | .0047885 | .0028286 | .034062  | .0000958   | .0007585   |
| %RSD   | .7835501 | 5.013388 | 2.464992 | .3757790 | 2.168779   | 4.119755   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.250819 | .0951702 | .1162713 | 9.025322 | .0043886 | .0192593 |
| #2 | 9.140921 | .0909086 | .1164956 | 9.087224 | .0045249 | .0181740 |
| #3 | 9.277167 | .1004670 | .1114880 | 9.080908 | .0043401 | .0177987 |

Sample Name: PB110084BS      Acquired: 6/8/2018 14:59:17      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: LCS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0193429 | .1463436 | .1819638 | F .0139654 | .1909366 | .0878812 |
| Stddev | .0001914 | .0033150 | .0005459 | .0004624   | .0013374 | .0008315 |
| %RSD   | .9897520 | 2.265194 | .3000213 | 3.310740   | .7004166 | .9461442 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0194555 | .1501689 | .1822990 | .0142739 | .1901622 | .0875444 |
| #2 | .0191218 | .1443104 | .1813338 | .0141884 | .1924808 | .0888282 |
| #3 | .0194513 | .1445515 | .1822584 | .0134338 | .1901667 | .0872709 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1914522 |
| Stddev | .0010719 |
| %RSD   | .5598666 |

|    |          |
|----|----------|
| #1 | .1905840 |
| #2 | .1926502 |
| #3 | .1911223 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2236.090 | 2341.466 | 59965.59 | 7450.965 | 3908.688 |
| Stddev    | 15.375   | 9.080    | 328.31   | 23.738   | 16.923   |
| %RSD      | .6875864 | .3877743 | .5475011 | .3185857 | .4329582 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2219.335 | 2343.914 | 59701.72 | 7477.877 | 3914.382 |
| #2 | 2239.384 | 2349.071 | 60333.26 | 7433.003 | 3922.030 |
| #3 | 2249.552 | 2331.413 | 59861.80 | 7442.016 | 3889.653 |

Sample Name: J3363-01      Acquired: 6/8/2018 15:19:26      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GH2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1617690 | .0021772 | 1.313954 | -.027731 | .0091778 | 86.78360 | 1.234720 |
| Stddev | .0028202 | .0020596 | .016702  | .001801  | .0022180 | .12745   | .002089  |
| %RSD   | 1.743346 | 94.59768 | 1.271147 | 6.495028 | 24.16699 | .1468591 | .1691691 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1637833 | .0039994 | 1.319895 | -.029604 | .0067716 | 86.88939 | 1.236292 |
| #2 | .1629778 | .0025894 | 1.326874 | -.026012 | .0111405 | 86.81929 | 1.235520 |
| #3 | .1585459 | -.000057 | 1.295093 | -.027577 | .0096213 | 86.64210 | 1.232350 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0068218 | .0429686 | 120.7924 | .1398656 | .0748304 | .3555956 | 180.1981 |
| Stddev | .0000585 | .0006802 | .2096    | .0074685 | .0011952 | .0013819 | .5586    |
| %RSD   | .8578107 | 1.582972 | .1735265 | 5.339777 | 1.597267 | .3886004 | .3100026 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0067802 | .0433481 | 120.5505 | .1482506 | .0751530 | .3558317 | 180.8413 |
| #2 | .0067966 | .0433743 | 120.9199 | .1374185 | .0758312 | .3541109 | 179.8347 |
| #3 | .0068887 | .0421833 | 120.9069 | .1339276 | .0735069 | .3568442 | 179.9182 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.961439 | 40.47671 | .1014278 | -.002241 | 1.625194 | .3906186 | .9282770 |
| Stddev | .015398  | .20457   | .0011134 | .001014  | .095251  | .0029759 | .0466783 |
| %RSD   | .3103520 | .5054044 | 1.097736 | 45.26001 | 5.860918 | .7618494 | 5.028484 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.949139 | 40.62100 | .1024005 | -.003219 | 1.519720 | .3893688 | .9773367 |
| #2 | 4.978707 | 40.56654 | .1016696 | -.002310 | 1.704935 | .3884715 | .9230791 |
| #3 | 4.956469 | 40.24260 | .1002134 | -.001194 | 1.650927 | .3940157 | .8844153 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 25.61106 | .8014196 | .1729828 | .0092336 | 1.976862 | 4.701472 | .0090309 |
| Stddev | .10488   | .0076294 | .0047858 | .0000893 | .017787  | .078703  | .0018522 |
| %RSD   | .4095097 | .9519855 | 2.766657 | .9675843 | .8997635 | 1.674014 | 20.50963 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 25.51772 | .8057190 | .1777676 | .0092799 | 1.981474 | 4.617759 | .0070708 |
| #2 | 25.59091 | .8059290 | .1729849 | .0091307 | 1.991889 | 4.712697 | .0092698 |
| #3 | 25.72456 | .7926108 | .1681959 | .0092904 | 1.957223 | 4.773961 | .0107520 |

Sample Name: J3363-01      Acquired: 6/8/2018 15:19:26      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GH2      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.944948 | .1008584 | .2969387 |
| Stddev | .010207  | .0008827 | .0004574 |
| %RSD   | .3465968 | .8751380 | .1540565 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.955855 | .1016961 | .2966268 |
| #2 | 2.943364 | .1009424 | .2974638 |
| #3 | 2.935626 | .0999368 | .2967255 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2354.088 | 2560.392 | 64052.52 | 8450.137 | 3627.659 |
| Stddev    | 93.849   | 30.928   | 2635.93  | 78.335   | 41.193   |
| %RSD      | 3.986636 | 1.207926 | 4.115266 | .9270299 | 1.135517 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2248.851 | 2543.620 | 61099.38 | 8511.078 | 3609.814 |
| #2 | 2384.312 | 2541.474 | 64890.83 | 8477.555 | 3598.398 |
| #3 | 2429.100 | 2596.083 | 66167.35 | 8361.778 | 3674.766 |

Sample Name: J3363-02      Acquired: 6/8/2018 15:23:28      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GH3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1633305 | -.000677 | 1.353374 | -.028339 | .0083262 | 81.31148 | 1.107822 |
| Stddev | .0010178 | .001289  | .005258  | .001758  | .0013804 | 5.98695  | .078158  |
| %RSD   | .6231711 | 190.4557 | .3885378 | 6.204344 | 16.57829 | 7.362987 | 7.055075 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1622250 | -.002024 | 1.359338 | -.029564 | .0087111 | 77.81471 | 1.062899 |
| #2 | .1642288 | -.000550 | 1.351379 | -.029130 | .0094733 | 77.89526 | 1.062496 |
| #3 | .1635378 | .000544  | 1.349406 | -.026325 | .0067943 | 88.22446 | 1.198070 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0062639 | .0429857 | 185.3841 | .1136588 | .0652943 | .3224432 | 157.5238 |
| Stddev | .0004658 | .0005988 | 13.1284  | .0021712 | .0005169 | .0287064 | 11.7391  |
| %RSD   | 7.436491 | 1.393017 | 7.081748 | 1.910277 | .7915658 | 8.902788 | 7.452268 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0059843 | .0434354 | 177.7380 | .1147312 | .0658830 | .3051562 | 150.5429 |
| #2 | .0060058 | .0432157 | 177.8711 | .1150852 | .0650848 | .3065932 | 150.9515 |
| #3 | .0068016 | .0423060 | 200.5433 | .1111601 | .0649151 | .3555801 | 171.0769 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.666441 | 50.96942 | .0877568 | -.000703 | 1.314260 | .3206818 | .8414926 |
| Stddev | .328153  | 4.04183  | .0004472 | .001257  | .082918  | .0263537 | .0247552 |
| %RSD   | 7.032200 | 7.929921 | .5096310 | 178.9156 | 6.309115 | 8.218013 | 2.941820 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.484930 | 48.49771 | .0882732 | -.001537 | 1.244363 | .3058791 | .8219975 |
| #2 | 4.469143 | 48.77681 | .0874984 | -.001314 | 1.292542 | .3050576 | .8693447 |
| #3 | 5.045250 | 55.63375 | .0874988 | .000743  | 1.405876 | .3511087 | .8331355 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 25.45794 | .6106528 | .1556475 | .0089943 | 1.434954 | 7.109553 | .0083267 |
| Stddev | 1.96945  | .0019834 | .0160875 | .0002283 | .007578  | .502885  | .0004288 |
| %RSD   | 7.736088 | .3248019 | 10.33584 | 2.538225 | .5281069 | 7.073365 | 5.149836 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 24.22629 | .6126612 | .1471146 | .0087578 | 1.443467 | 6.767603 | .0086449 |
| #2 | 24.41817 | .6106017 | .1456242 | .0090114 | 1.432447 | 6.874084 | .0078390 |
| #3 | 27.72937 | .6086954 | .1742038 | .0092134 | 1.428946 | 7.686971 | .0084962 |

Sample Name: J3363-02      Acquired: 6/8/2018 15:23:28      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GH3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.838315 | .0948244 | .2825675 |
| Stddev | .211082  | .0074135 | .0196445 |
| %RSD   | 7.436881 | 7.818090 | 6.952143 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.705376 | .0915332 | .2713927 |
| #2 | 2.727864 | .0896263 | .2710596 |
| #3 | 3.081706 | .1033136 | .3052502 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2350.954 | 2470.881 | 64053.16 | 7955.613 | 3527.573 |
| Stddev    | 6.784    | 3.558    | 334.75   | 478.077  | 6.816    |
| %RSD      | .2885530 | .1440115 | .5226156 | 6.009306 | .1932152 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2346.761 | 2466.823 | 63713.32 | 8252.798 | 3521.488 |
| #2 | 2347.319 | 2472.353 | 64063.60 | 8209.908 | 3526.292 |
| #3 | 2358.780 | 2473.467 | 64382.57 | 7404.133 | 3534.938 |

Sample Name: J3363-03      Acquired: 6/8/2018 15:27:30      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GH4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2197183 | .0030974 | 2.234110 | -.031728 | .0135665 | 95.65767 | 1.303352 |
| Stddev | .0057613 | .0029065 | .076913  | .002429  | .0016981 | .10749   | .001281  |
| %RSD   | 2.622114 | 93.83567 | 3.442687 | 7.656437 | 12.51710 | .1123656 | .0983037 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2181859 | .0049132 | 2.196417 | -.029108 | .0135671 | 95.55176 | 1.304721 |
| #2 | .2148781 | .0046338 | 2.183314 | -.033906 | .0118681 | 95.76667 | 1.302182 |
| #3 | .2260908 | -.000255 | 2.322599 | -.032170 | .0152644 | 95.65458 | 1.303153 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0076270 | .0764286 | 47.53875 | .1464172 | .0914638 | .4491492 | 188.1977 |
| Stddev | .0001888 | .0027219 | .13873   | .0002781 | .0035023 | .0047218 | .7613    |
| %RSD   | 2.475247 | 3.561403 | .2918240 | .1899049 | 3.829203 | 1.051276 | .4045321 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0074936 | .0751868 | 47.42614 | .1466769 | .0898152 | .4528936 | 187.5183 |
| #2 | .0078431 | .0745490 | 47.69372 | .1461238 | .0890900 | .4507092 | 189.0205 |
| #3 | .0075445 | .0795499 | 47.49639 | .1464509 | .0954862 | .4438448 | 188.0542 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.152118 | 41.99255 | .1183628 | .0004267 | 1.496188 | .3689556 | 1.157489 |
| Stddev | .017617  | .18357   | .0033929 | .0000656 | .265552  | .0035545 | .021513  |
| %RSD   | .2863568 | .4371400 | 2.866553 | 15.37202 | 17.74854 | .9633999 | 1.858554 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.132210 | 41.78158 | .1171728 | .0004945 | 1.780876 | .3654777 | 1.182295 |
| #2 | 6.165693 | 42.08034 | .1157252 | .0003635 | 1.255192 | .3688071 | 1.146211 |
| #3 | 6.158451 | 42.11575 | .1221904 | .0004222 | 1.452497 | .3725820 | 1.143960 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 32.27577 | .8824720 | .1869397 | .0080775 | 2.132480 | 7.988445 | .0132187 |
| Stddev | .05052   | .0282517 | .0003484 | .0005347 | .074778  | .110494  | .0002511 |
| %RSD   | .1565111 | 3.201421 | .1863867 | 6.619486 | 3.506610 | 1.383169 | 1.899773 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 32.31635 | .8699533 | .1873403 | .0080016 | 2.111672 | 8.064024 | .0133566 |
| #2 | 32.29177 | .8626428 | .1867722 | .0075849 | 2.070310 | 8.039677 | .0129288 |
| #3 | 32.21919 | .9148200 | .1867067 | .0086462 | 2.215458 | 7.861635 | .0133706 |

Sample Name: J3363-03      Acquired: 6/8/2018 15:27:30      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GH4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.925933 | .1049677 | .1967815 |
| Stddev | .013859  | .0007215 | .0003042 |
| %RSD   | .4736569 | .6873050 | .1545860 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.916968 | .1053188 | .1971167 |
| #2 | 2.941896 | .1054465 | .1967048 |
| #3 | 2.918936 | .1041379 | .1965229 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2496.529 | 2585.434 | 67753.18 | 8612.446 | 3593.167 |
| Stddev    | 18.161   | 63.566   | 419.29   | 37.378   | 104.071  |
| %RSD      | .7274483 | 2.458614 | .6188525 | .4340007 | 2.896360 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2476.831 | 2613.707 | 67374.18 | 8620.095 | 3641.577 |
| #2 | 2512.607 | 2629.958 | 67681.78 | 8571.836 | 3664.214 |
| #3 | 2500.150 | 2512.636 | 68203.59 | 8645.409 | 3473.709 |

Sample Name: J3363-04      Acquired: 6/8/2018 15:31:29      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GH5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2297389 | .0030255 | 1.660019 | -.032402 | .0101725 | 93.02447 | 1.208900 |
| Stddev | .0034996 | .0001307 | .000865  | .002703  | .0019179 | 1.88314  | .021389  |
| %RSD   | 1.523279 | 4.318876 | .0521321 | 8.342780 | 18.85335 | 2.024352 | 1.769256 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2256985 | .0028860 | 1.660279 | -.030152 | .0085667 | 91.78522 | 1.195258 |
| #2 | .2317016 | .0030454 | 1.659053 | -.031653 | .0122961 | 92.09670 | 1.197891 |
| #3 | .2318167 | .0031451 | 1.660724 | -.035401 | .0096546 | 95.19149 | 1.233550 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0072606 | .0531267 | 39.85168 | .1435297 | .0820128 | .3635567 | 188.9405 |
| Stddev | .0001876 | .0000628 | .80253   | .0017051 | .0003366 | .0071598 | 4.5192   |
| %RSD   | 2.583227 | .1182273 | 2.013791 | 1.187994 | .4104010 | 1.969376 | 2.391869 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0071175 | .0531952 | 39.30235 | .1454986 | .0820034 | .3552980 | 185.8697 |
| #2 | .0071912 | .0531132 | 39.48003 | .1425560 | .0816810 | .3680155 | 186.8221 |
| #3 | .0074729 | .0530717 | 40.77267 | .1425345 | .0823540 | .3673565 | 194.1298 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.712695 | 36.88927 | .1068627 | -.001799 | 1.470621 | .3867864 | .9411820 |
| Stddev | .132720  | .99688   | .0006649 | .000455  | .099659  | .0075323 | .0102464 |
| %RSD   | 2.323240 | 2.702350 | .6221573 | 25.29501 | 6.776648 | 1.947414 | 1.088670 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.632655 | 36.33030 | .1065338 | -.001919 | 1.361275 | .3840938 | .9361529 |
| #2 | 5.639535 | 36.29731 | .1064265 | -.002182 | 1.556350 | .3809704 | .9344218 |
| #3 | 5.865895 | 38.04021 | .1076279 | -.001296 | 1.494238 | .3952950 | .9529712 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 31.37992 | .7560791 | .1840213 | .0097079 | 1.546934 | 6.068095 | .0119229 |
| Stddev | .71894   | .0035591 | .0039216 | .0004467 | .003966  | .138478  | .0010926 |
| %RSD   | 2.291087 | .4707342 | 2.131041 | 4.601395 | .2563507 | 2.282068 | 9.163485 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 30.87325 | .7576917 | .1841551 | .0091937 | 1.544049 | 6.036886 | .0109866 |
| #2 | 31.06374 | .7519992 | .1800346 | .0099999 | 1.551456 | 5.947885 | .0131233 |
| #3 | 32.20276 | .7585465 | .1878743 | .0099302 | 1.545297 | 6.219514 | .0116587 |

Sample Name: J3363-04      Acquired: 6/8/2018 15:31:29      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GH5      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 3.108793 | .0996993 | .1885007 |
| Stddev | .063366  | .0022980 | .0040923 |
| %RSD   | 2.038293 | 2.304928 | 2.170963 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 3.071068 | .0976541 | .1862555 |
| #2 | 3.073361 | .0992577 | .1860225 |
| #3 | 3.181950 | .1021860 | .1932242 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2471.932 | 2607.036 | 66831.07 | 8500.052 | 3687.005 |
| Stddev    | 14.134   | 6.154    | 370.69   | 163.188  | 5.690    |
| %RSD      | .5717983 | .2360391 | .5546631 | 1.919847 | .1543155 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2461.091 | 2600.823 | 66426.30 | 8605.533 | 3680.500 |
| #2 | 2487.919 | 2613.128 | 66912.91 | 8582.536 | 3691.057 |
| #3 | 2466.788 | 2607.157 | 67154.00 | 8312.088 | 3689.458 |

Sample Name: J3363-05      Acquired: 6/8/2018 15:35:27      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GH6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2206923 | .0002158 | 1.748328 | -.033531 | .0106976 | 98.91994 | 1.288281 |
| Stddev | .0064948 | .0014797 | .041773  | .003118  | .0020934 | .05249   | .001973  |
| %RSD   | 2.942943 | 685.7259 | 2.389326 | 9.297418 | 19.56915 | .0530592 | .1531657 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2156725 | .0002641 | 1.702803 | -.031410 | .0122484 | 98.88591 | 1.286224 |
| #2 | .2280276 | -.001288 | 1.757283 | -.037111 | .0115279 | 98.98038 | 1.288462 |
| #3 | .2183768 | .001671  | 1.784898 | -.032074 | .0083164 | 98.89352 | 1.290158 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0075288 | .0572454 | 38.05861 | .1514265 | .0901720 | .3714458 | 193.1557 |
| Stddev | .0001791 | .0015623 | .09912   | .0012992 | .0025351 | .0015646 | .7512    |
| %RSD   | 2.379394 | 2.729135 | .2604470 | .8579533 | 2.811373 | .4212140 | .3889156 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0073365 | .0555316 | 37.94449 | .1514104 | .0873359 | .3704014 | 193.7159 |
| #2 | .0075589 | .0576144 | 38.12326 | .1501354 | .0909627 | .3732447 | 192.3020 |
| #3 | .0076910 | .0585901 | 38.10808 | .1527336 | .0922175 | .3706915 | 193.4491 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.682376 | 38.26312 | .1164042 | -.001881 | 1.752521 | .3925594 | 1.097656 |
| Stddev | .032040  | .18975   | .0031373 | .000105  | .165027  | .0048945 | .022590  |
| %RSD   | .4794645 | .4958964 | 2.695167 | 5.593351 | 9.416567 | 1.246825 | 2.058061 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.658730 | 38.41800 | .1129293 | -.001836 | 1.725100 | .3911101 | 1.123563 |
| #2 | 6.718840 | 38.05147 | .1172550 | -.002001 | 1.929542 | .3885533 | 1.082068 |
| #3 | 6.669558 | 38.31987 | .1190284 | -.001806 | 1.602922 | .3980150 | 1.087336 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 32.58736 | .7960937 | .1926481 | .0080649 | 1.697891 | 6.326283 | .0115563 |
| Stddev | .04082   | .0193152 | .0005790 | .0001792 | .040734  | .027254  | .0006874 |
| %RSD   | .1252774 | 2.426250 | .3005321 | 2.222608 | 2.399071 | .4308005 | 5.947914 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 32.63372 | .7742949 | .1923511 | .0078622 | 1.653261 | 6.332340 | .0122520 |
| #2 | 32.57155 | .8029083 | .1933153 | .0081295 | 1.707346 | 6.296511 | .0115392 |
| #3 | 32.55679 | .8110779 | .1922779 | .0082028 | 1.733066 | 6.349999 | .0108777 |

Sample Name: J3363-05      Acquired: 6/8/2018 15:35:27      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GH6      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 3.061129 | .1044734 | .2083332 |
| Stddev | .003900  | .0003398 | .0004158 |
| %RSD   | .1273952 | .3252128 | .1995767 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 3.065570 | .1043464 | .2088114 |
| #2 | 3.059556 | .1048583 | .2080570 |
| #3 | 3.058262 | .1042154 | .2081312 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2561.343 | 2665.656 | 69300.61 | 8859.771 | 3671.819 |
| Stddev    | 4.147    | 45.101   | 374.50   | 51.862   | 71.876   |
| %RSD      | .1619057 | 1.691938 | .5403971 | .5853608 | 1.957514 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2563.385 | 2715.391 | 69148.71 | 8918.666 | 3750.793 |
| #2 | 2564.072 | 2654.165 | 69727.19 | 8820.934 | 3654.438 |
| #3 | 2556.571 | 2627.412 | 69025.91 | 8839.714 | 3610.228 |

Sample Name: J3363-06      Acquired: 6/8/2018 15:39:25      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GH7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2134661 | .0020020 | 1.695464 | -.029493 | .0097914 | 94.16824 | 1.218197 |
| Stddev | .0031307 | .0015733 | .005221  | .003359  | .0010340 | 1.82202  | .027081  |
| %RSD   | 1.466583 | 78.58465 | .3079599 | 11.38924 | 10.56075 | 1.934856 | 2.223066 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2164898 | .0027590 | 1.695513 | -.028708 | .0096084 | 93.31805 | 1.204448 |
| #2 | .2136702 | .0001933 | 1.690219 | -.033175 | .0109047 | 92.92672 | 1.200748 |
| #3 | .2102384 | .0030536 | 1.700661 | -.026596 | .0088610 | 96.25997 | 1.249395 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0074479 | .0547576 | 57.11868 | .1461217 | .0858570 | .3796285 | 184.3534 |
| Stddev | .0000774 | .0001059 | 1.25059  | .0004521 | .0003497 | .0081291 | 2.2947   |
| %RSD   | 1.039439 | .1933158 | 2.189456 | .3094083 | .4073039 | 2.141326 | 1.244734 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0073837 | .0546588 | 56.36823 | .1460113 | .0861580 | .3728956 | 183.3676 |
| #2 | .0074262 | .0547446 | 56.42546 | .1466188 | .0859397 | .3773307 | 182.7163 |
| #3 | .0075339 | .0548693 | 58.56236 | .1457351 | .0854734 | .3886592 | 186.9763 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.436658 | 40.49658 | .1103950 | -.000461 | 1.847946 | .3697538 | 1.049809 |
| Stddev | .114861  | .62388   | .0006735 | .000415  | .135750  | .0070375 | .013188  |
| %RSD   | 2.112714 | 1.540572 | .6100359 | 90.01307 | 7.345981 | 1.903298 | 1.256202 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.358601 | 40.36982 | .1110848 | -.000275 | 1.857359 | .3692789 | 1.035614 |
| #2 | 5.382823 | 39.94582 | .1103610 | -.000937 | 1.707735 | .3629657 | 1.061680 |
| #3 | 5.568548 | 41.17411 | .1097391 | -.000172 | 1.978744 | .3770167 | 1.052133 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 31.85959 | .7418563 | .1797965 | .0076783 | 1.748502 | 7.267498 | .0132083 |
| Stddev | .78990   | .0051574 | .0024212 | .0002749 | .011067  | .093871  | .0007643 |
| %RSD   | 2.479323 | .6952070 | 1.346663 | 3.580216 | .6329241 | 1.291651 | 5.786286 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 31.37214 | .7406357 | .1773799 | .0073664 | 1.750920 | 7.160027 | .0140892 |
| #2 | 31.43568 | .7374186 | .1797870 | .0078854 | 1.736426 | 7.309018 | .0128134 |
| #3 | 32.77095 | .7475145 | .1822224 | .0077831 | 1.758159 | 7.333449 | .0127223 |

Sample Name: J3363-06      Acquired: 6/8/2018 15:39:25      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GH7      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.899063 | .1047375 | .2133052 |
| Stddev | .046402  | .0021970 | .0040031 |
| %RSD   | 1.600600 | 2.097670 | 1.876692 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.877983 | .1045944 | .2110348 |
| #2 | 2.866942 | .1026155 | .2109534 |
| #3 | 2.952263 | .1070026 | .2179273 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2444.181 | 2562.820 | 66233.13 | 8486.033 | 3631.278 |
| Stddev    | 11.688   | 2.474    | 281.76   | 162.947  | 2.596    |
| %RSD      | .4782071 | .0965358 | .4254072 | 1.920176 | .0714830 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2453.362 | 2560.713 | 66488.98 | 8572.829 | 3629.123 |
| #2 | 2448.158 | 2565.544 | 66279.25 | 8587.208 | 3634.160 |
| #3 | 2431.023 | 2562.202 | 65931.15 | 8298.062 | 3630.551 |

Sample Name: J3363-07      Acquired: 6/8/2018 15:45:37      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GH8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2274160 | .0015613 | 1.528650 | -.031979 | .0109654 | 106.7459 | 1.359832 |
| Stddev | .0019535 | .0024888 | .014909  | .002273  | .0008157 | 1.9451   | .023374  |
| %RSD   | .8590066 | 159.4073 | .9753233 | 7.106279 | 7.438493 | 1.822215 | 1.718882 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2288051 | -.001288 | 1.512294 | -.034528 | .0101948 | 105.1653 | 1.340706 |
| #2 | .2282606 | .003309  | 1.532173 | -.031245 | .0118197 | 106.1541 | 1.352902 |
| #3 | .2251823 | .002663  | 1.541482 | -.030164 | .0108817 | 108.9181 | 1.385887 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0077567 | .0479678 | 74.25289 | .1495696 | .0870790 | .3748047 | 198.6671 |
| Stddev | .0001716 | .0003365 | 1.29114  | .0001869 | .0008420 | .0049884 | 3.6689   |
| %RSD   | 2.212711 | .7014791 | 1.738843 | .1249457 | .9669504 | 1.330937 | 1.846736 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0076914 | .0476368 | 73.19301 | .1497854 | .0861234 | .3696799 | 195.7427 |
| #2 | .0076273 | .0479571 | 73.87478 | .1494589 | .0877122 | .3750897 | 197.4748 |
| #3 | .0079514 | .0483095 | 75.69087 | .1494646 | .0874013 | .3796446 | 202.7838 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.386990 | 41.22178 | .1170750 | -.001937 | 1.763288 | .3971012 | .9076316 |
| Stddev | .094861  | .95497   | .0013999 | .000218  | .201368  | .0118343 | .0029009 |
| %RSD   | 1.485216 | 2.316657 | 1.195726 | 11.25467 | 11.42005 | 2.980181 | .3196150 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.308947 | 40.52026 | .1158160 | -.001914 | 1.963022 | .3873860 | .9062596 |
| #2 | 6.359449 | 40.83573 | .1168265 | -.002166 | 1.766516 | .3936365 | .9056712 |
| #3 | 6.492573 | 42.30933 | .1185825 | -.001732 | 1.560324 | .4102812 | .9109641 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 31.98915 | .7441877 | .1946119 | .0073329 | 1.641602 | 5.214816 | .0113423 |
| Stddev | .56944   | .0064036 | .0050181 | .0002798 | .010432  | .170567  | .0007926 |
| %RSD   | 1.780105 | .8604784 | 2.578514 | 3.815916 | .6354858 | 3.270822 | 6.987776 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 31.56792 | .7401949 | .1925139 | .0071320 | 1.638760 | 5.060660 | .0120655 |
| #2 | 31.76252 | .7407945 | .1909834 | .0076525 | 1.632884 | 5.185732 | .0114663 |
| #3 | 32.63701 | .7515738 | .2003386 | .0072141 | 1.653160 | 5.398055 | .0104950 |

Sample Name: J3363-07      Acquired: 6/8/2018 15:45:37      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GH8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 3.370791 | .1133785 | .2870113 |
| Stddev | .057736  | .0002989 | .0047128 |
| %RSD   | 1.712844 | .2635923 | 1.642039 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 3.321137 | .1130342 | .2834817 |
| #2 | 3.357090 | .1135713 | .2851889 |
| #3 | 3.434145 | .1135299 | .2923632 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2445.076 | 2572.880 | 66540.72 | 8478.594 | 3608.197 |
| Stddev    | 1.694    | 2.985    | 229.24   | 124.123  | 16.875   |
| %RSD      | .0692693 | .1160137 | .3445065 | 1.463958 | .4676822 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2443.186 | 2574.242 | 66276.86 | 8571.731 | 3627.335 |
| #2 | 2446.457 | 2569.457 | 66690.90 | 8526.368 | 3601.799 |
| #3 | 2445.585 | 2574.940 | 66654.40 | 8337.682 | 3595.456 |

Sample Name: J3363-08      Acquired: 6/8/2018 15:49:37      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GH9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2579084 | .0017736 | 2.160076 | -.033151 | .0134695 | 100.7803 | 1.341961 |
| Stddev | .0017857 | .0016528 | .005369  | .004246  | .0017695 | .5525    | .007428  |
| %RSD   | .6923600 | 93.18924 | .2485774 | 12.80947 | 13.13724 | .5482164 | .5535051 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2598960 | .0021111 | 2.158875 | -.033905 | .0119319 | 101.0974 | 1.345934 |
| #2 | .2564396 | -.000022 | 2.155408 | -.028578 | .0130729 | 100.1424 | 1.333391 |
| #3 | .2573896 | .003232  | 2.165944 | -.036970 | .0154036 | 101.1012 | 1.346557 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0079354 | .0699664 | 52.61934 | .1601939 | .0908830 | .4225428 | 197.8013 |
| Stddev | .0001231 | .0000897 | .38664   | .0114032 | .0001773 | .0061108 | .9773    |
| %RSD   | 1.551649 | .1282176 | .7347914 | 7.118357 | .1951316 | 1.446195 | .4941049 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0080593 | .0700468 | 52.94376 | .1663726 | .0907805 | .4242465 | 197.8860 |
| #2 | .0078131 | .0698696 | 52.19151 | .1671743 | .0907807 | .4157609 | 196.7844 |
| #3 | .0079339 | .0699828 | 52.72277 | .1470348 | .0910878 | .4276209 | 198.7336 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.009849 | 40.92253 | .1173001 | -.000630 | 1.780705 | .3914841 | 1.188089 |
| Stddev | .040547  | .27519   | .0001789 | .001588  | .093218  | .0040010 | .064848  |
| %RSD   | .6746805 | .6724630 | .1524974 | 252.0600 | 5.234886 | 1.022000 | 5.458145 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.049526 | 41.00468 | .1173271 | -.001571 | 1.880928 | .3932538 | 1.235597 |
| #2 | 5.968484 | 40.61562 | .1174639 | -.001523 | 1.764595 | .3869035 | 1.214460 |
| #3 | 6.011535 | 41.14728 | .1171092 | .001204  | 1.696593 | .3942951 | 1.114211 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 34.44924 | .8458068 | .1882460 | .0081291 | 1.744439 | 10.67384 | .0114246 |
| Stddev | .14904   | .0043733 | .0009467 | .0001242 | .007544  | .05516   | .0006954 |
| %RSD   | .4326251 | .5170608 | .5028990 | 1.528168 | .4324812 | .5167668 | 6.086494 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 34.53820 | .8465605 | .1874516 | .0082021 | 1.737660 | 10.73032 | .0112332 |
| #2 | 34.27719 | .8411056 | .1879929 | .0079857 | 1.743090 | 10.67109 | .0108450 |
| #3 | 34.53235 | .8497543 | .1892935 | .0081996 | 1.752566 | 10.62011 | .0121956 |

Sample Name: J3363-08      Acquired: 6/8/2018 15:49:37      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GH9      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.991220 | .1090937 | .2338528 |
| Stddev | .010233  | .0002252 | .0010799 |
| %RSD   | .3421072 | .2064234 | .4617994 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 3.002074 | .1088352 | .2346708 |
| #2 | 2.981748 | .1092473 | .2326287 |
| #3 | 2.989839 | .1091985 | .2342589 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2408.309 | 2618.836 | 65445.91 | 8712.755 | 3661.918 |
| Stddev    | 128.620  | 3.622    | 3541.04  | 55.146   | 4.280    |
| %RSD      | 5.340688 | .1382958 | 5.410630 | .6329372 | .1168846 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2343.301 | 2621.141 | 63716.31 | 8694.985 | 3661.332 |
| #2 | 2325.169 | 2620.705 | 63102.08 | 8774.595 | 3666.461 |
| #3 | 2556.458 | 2614.661 | 69519.33 | 8668.684 | 3657.961 |

Sample Name: J3363-09      Acquired: 6/8/2018 15:53:36      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GJ0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2181002 | .0018147 | 1.867628 | -.030069 | .0124159 | 97.19992 | 1.272016 |
| Stddev | .0050317 | .0008651 | .039770  | .001775  | .0002377 | .20204   | .003878  |
| %RSD   | 2.307049 | 47.67339 | 2.129433 | 5.902987 | 1.914585 | .2078652 | .3048565 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2216620 | .0012624 | 1.913221 | -.029342 | .0126499 | 97.33272 | 1.275498 |
| #2 | .2123440 | .0013699 | 1.840075 | -.028772 | .0124232 | 96.96740 | 1.267837 |
| #3 | .2202946 | .0028117 | 1.849589 | -.032092 | .0121746 | 97.29964 | 1.272714 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0075060 | .0605167 | 72.17863 | .1411043 | .0841643 | .3951361 | 184.6925 |
| Stddev | .0001546 | .0014150 | .15496   | .0003914 | .0021460 | .0014100 | .5069    |
| %RSD   | 2.059963 | 2.338155 | .2146948 | .2773970 | 2.549818 | .3568324 | .2744401 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0075728 | .0621428 | 72.35672 | .1412278 | .0866384 | .3937600 | 184.7366 |
| #2 | .0073293 | .0595662 | 72.10473 | .1414191 | .0830467 | .3950707 | 185.1759 |
| #3 | .0076161 | .0598411 | 72.07446 | .1406660 | .0828076 | .3965777 | 184.1651 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.463667 | 42.08797 | .1174746 | -.000013 | 1.800558 | .3653444 | 1.068184 |
| Stddev | .011809  | .08398   | .0029384 | .000673  | .129431  | .0050168 | .020552  |
| %RSD   | .2161329 | .1995293 | 2.501296 | 5269.335 | 7.188397 | 1.373165 | 1.923992 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.474039 | 41.99317 | .1208594 | .000721  | 1.660993 | .3604770 | 1.088244 |
| #2 | 5.466149 | 42.11771 | .1155783 | -.000600 | 1.916640 | .3650578 | 1.069135 |
| #3 | 5.450815 | 42.15303 | .1159862 | -.000160 | 1.824040 | .3704983 | 1.047174 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 31.94909 | .8072849 | .1794720 | .0079816 | 1.956213 | 6.210210 | .0097728 |
| Stddev | .11480   | .0185609 | .0058898 | .0001732 | .034190  | .040719  | .0007250 |
| %RSD   | .3593115 | 2.299173 | 3.281714 | 2.170490 | 1.747756 | .6556811 | 7.418500 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 31.94764 | .8287171 | .1791963 | .0081618 | 1.995687 | 6.233965 | .0098406 |
| #2 | 31.83502 | .7966184 | .1854947 | .0079667 | 1.936969 | 6.163192 | .0104615 |
| #3 | 32.06460 | .7965193 | .1737249 | .0078163 | 1.935982 | 6.233472 | .0090163 |

Sample Name: J3363-09      Acquired: 6/8/2018 15:53:36      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GJ0      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.962547 | .1082391 | .2496383 |
| Stddev | .009454  | .0010554 | .0005296 |
| %RSD   | .3191247 | .9750348 | .2121484 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.952398 | .1090826 | .2490459 |
| #2 | 2.971105 | .1085791 | .2498029 |
| #3 | 2.964138 | .1070557 | .2500660 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2465.203 | 2552.193 | 66975.51 | 8571.301 | 3584.073 |
| Stddev    | 12.806   | 39.662   | 132.00   | 26.993   | 69.718   |
| %RSD      | .5194619 | 1.554030 | .1970874 | .3149288 | 1.945217 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2450.595 | 2506.533 | 66826.59 | 8545.770 | 3504.358 |
| #2 | 2470.522 | 2578.098 | 67078.13 | 8599.551 | 3633.663 |
| #3 | 2474.492 | 2571.947 | 67021.80 | 8568.583 | 3614.197 |

Sample Name: J3363-10      Acquired: 6/8/2018 15:57:35      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GJ1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2136160 | .0007058 | 1.839869 | -.028761 | .0087212 | 88.93135 | 1.199989 |
| Stddev | .0039338 | .0012861 | .003500  | .002840  | .0021793 | .15789   | .001735  |
| %RSD   | 1.841520 | 182.2138 | .1902306 | 9.873273 | 24.98788 | .1775436 | .1445724 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2090790 | .0021662 | 1.842703 | -.025492 | .0062067 | 88.76067 | 1.201246 |
| #2 | .2156950 | .0002095 | 1.835957 | -.030619 | .0098948 | 89.07220 | 1.200711 |
| #3 | .2160741 | -.000258 | 1.840948 | -.030172 | .0100622 | 88.96119 | 1.198010 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0068896 | .0557940 | 59.78768 | .1294859 | .0764802 | .3664274 | 174.6671 |
| Stddev | .0000955 | .0000412 | .06845   | .0017167 | .0004991 | .0022466 | .6712    |
| %RSD   | 1.386239 | .0738801 | .1144942 | 1.325752 | .6525307 | .6130970 | .3842859 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0067794 | .0557752 | 59.76475 | .1314677 | .0760354 | .3689971 | 173.8928 |
| #2 | .0069430 | .0557655 | 59.73363 | .1284593 | .0763854 | .3648353 | 175.0251 |
| #3 | .0069466 | .0558412 | 59.86465 | .1285307 | .0770199 | .3654499 | 175.0834 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.462066 | 36.99080 | .1011101 | -.001044 | 1.569278 | .3592111 | 1.054682 |
| Stddev | .022891  | .11830   | .0007725 | .000712  | .073476  | .0050439 | .019688  |
| %RSD   | .4190839 | .3198077 | .7639694 | 68.19583 | 4.682151 | 1.404156 | 1.866750 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.443425 | 36.87544 | .1007444 | -.001735 | 1.629667 | .3534787 | 1.061262 |
| #2 | 5.487615 | 36.98512 | .1005884 | -.001087 | 1.590694 | .3629693 | 1.032546 |
| #3 | 5.455157 | 37.11183 | .1019975 | -.000312 | 1.487474 | .3611854 | 1.070237 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 27.81902 | .7043354 | .1664391 | .0076237 | 1.653878 | 5.337712 | .0080742 |
| Stddev | .10725   | .0025963 | .0022375 | .0002227 | .003547  | .108842  | .0003448 |
| %RSD   | .3855259 | .3686153 | 1.344312 | 2.920640 | .2144446 | 2.039118 | 4.270283 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 27.74815 | .7052002 | .1689369 | .0075173 | 1.657864 | 5.429616 | .0084720 |
| #2 | 27.76649 | .7063890 | .1657619 | .0078796 | 1.652698 | 5.217518 | .0078601 |
| #3 | 27.94240 | .7014171 | .1646184 | .0074742 | 1.651072 | 5.366002 | .0078906 |

Sample Name: J3363-10      Acquired: 6/8/2018 15:57:35      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GJ1      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.895058 | .0969973 | .2327626 |
| Stddev | .009485  | .0006481 | .0007066 |
| %RSD   | .3276184 | .6681897 | .3035844 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.884141 | .0972165 | .2320249 |
| #2 | 2.899754 | .0962680 | .2328294 |
| #3 | 2.901279 | .0975075 | .2334334 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2441.083 | 2568.379 | 66589.63 | 8500.812 | 3652.642 |
| Stddev    | 20.868   | 3.791    | 522.82   | 69.377   | 7.112    |
| %RSD      | .8548486 | .1476007 | .7851405 | .8161210 | .1947158 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2417.033 | 2564.503 | 66006.12 | 8580.788 | 3645.745 |
| #2 | 2454.398 | 2572.079 | 67015.48 | 8464.817 | 3659.951 |
| #3 | 2451.818 | 2568.555 | 66747.30 | 8456.829 | 3652.231 |

Sample Name: J3363-11      Acquired: 6/8/2018 16:01:36      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GJ2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2175550 | .0022278 | 1.868374 | -.028666 | .0081698 | 82.51681 | 1.086882 |
| Stddev | .0024239 | .0032472 | .010184  | .004897  | .0012883 | .27415   | .003078  |
| %RSD   | 1.114153 | 145.7555 | .5450789 | 17.08327 | 15.76934 | .3322298 | .2832046 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2159532 | -.001481 | 1.859809 | -.033063 | .0066880 | 82.42637 | 1.084463 |
| #2 | .2203436 | .004558  | 1.865678 | -.023389 | .0087968 | 82.82474 | 1.090347 |
| #3 | .2163683 | .003607  | 1.879635 | -.029546 | .0090247 | 82.29931 | 1.085837 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0065947 | .0542395 | 27.15365 | .1294078 | .0756967 | .3787311 | 172.4493 |
| Stddev | .0000635 | .0003750 | .02945   | .0009481 | .0003787 | .0043736 | 1.5528   |
| %RSD   | .9629122 | .6913271 | .1084618 | .7326238 | .5002883 | 1.154797 | .9004497 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0065543 | .0540107 | 27.13192 | .1293981 | .0752633 | .3835087 | 172.3013 |
| #2 | .0066679 | .0540355 | 27.18717 | .1284647 | .0759636 | .3777596 | 174.0709 |
| #3 | .0065620 | .0546722 | 27.14186 | .1303607 | .0758632 | .3749249 | 170.9758 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.639688 | 30.84588 | .0981599 | .0014526 | 1.582923 | .3480531 | 1.259649 |
| Stddev | .003582  | .36394   | .0006195 | .0002044 | .122173  | .0053684 | .003710  |
| %RSD   | .0635197 | 1.179867 | .6310961 | 14.07269 | 7.718214 | 1.542394 | .2944899 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.643509 | 30.79062 | .0974593 | .0012776 | 1.633598 | .3448957 | 1.255413 |
| #2 | 5.639148 | 31.23429 | .0983853 | .0014030 | 1.443566 | .3542516 | 1.262315 |
| #3 | 5.636406 | 30.51273 | .0986352 | .0016772 | 1.671604 | .3450121 | 1.261219 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 28.64134 | .7819280 | .1682283 | .0079630 | 1.722432 | 3.936776 | .0118486 |
| Stddev | .04340   | .0012089 | .0040563 | .0002779 | .008489  | .039514  | .0011879 |
| %RSD   | .1515127 | .1546013 | 2.411209 | 3.489329 | .4928256 | 1.003703 | 10.02531 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 28.61708 | .7822136 | .1668814 | .0078209 | 1.717133 | 3.907439 | .0120185 |
| #2 | 28.69144 | .7829686 | .1727868 | .0082831 | 1.732223 | 3.921183 | .0105849 |
| #3 | 28.61550 | .7806020 | .1650168 | .0077849 | 1.717940 | 3.981707 | .0129424 |

Sample Name: J3363-11      Acquired: 6/8/2018 16:01:36      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GJ2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.742867 | .0850334 | .1952060 |
| Stddev | .009528  | .0014688 | .0001735 |
| %RSD   | .3473912 | 1.727353 | .0888682 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.736669 | .0850493 | .1953537 |
| #2 | 2.753839 | .0835567 | .1950150 |
| #3 | 2.738094 | .0864943 | .1952492 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2477.126 | 2589.090 | 66950.14 | 8638.239 | 3709.288 |
| Stddev    | 9.634    | 7.018    | 84.88    | 40.255   | 14.497   |
| %RSD      | .3889375 | .2710563 | .1267872 | .4660143 | .3908401 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2482.082 | 2596.850 | 66860.83 | 8625.672 | 3719.682 |
| #2 | 2483.273 | 2587.233 | 66959.83 | 8605.765 | 3715.455 |
| #3 | 2466.022 | 2583.187 | 67029.77 | 8683.278 | 3692.726 |

Sample Name: J3363-12      Acquired: 6/8/2018 16:05:37      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GJ3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2089623 | .0027163 | 1.705567 | -.028687 | .0117904 | 88.77350 | 1.166127 |
| Stddev | .0073860 | .0033230 | .010014  | .005054  | .0004690 | .30035   | .001593  |
| %RSD   | 3.534617 | 122.3327 | .5871147 | 17.61926 | 3.977864 | .3383316 | .1365741 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2119602 | .0036070 | 1.698318 | -.030514 | .0112999 | 88.52351 | 1.165604 |
| #2 | .2005487 | .0055032 | 1.701389 | -.032574 | .0122344 | 89.10667 | 1.164861 |
| #3 | .2143781 | -.000961 | 1.716992 | -.022973 | .0118371 | 88.69032 | 1.167915 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0076079 | .0597451 | 27.24962 | .1425251 | .0869401 | .4260309 | 194.3322 |
| Stddev | .0000757 | .0003421 | .10695   | .0003366 | .0006059 | .0026253 | 1.0593   |
| %RSD   | .9944940 | .5726731 | .3924849 | .2361331 | .6969623 | .6162265 | .5451074 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0076709 | .0595196 | 27.13263 | .1428713 | .0864656 | .4234171 | 193.6066 |
| #2 | .0076288 | .0595770 | 27.27385 | .1421991 | .0867322 | .4260078 | 195.5478 |
| #3 | .0075240 | .0601388 | 27.34237 | .1425048 | .0876227 | .4286676 | 193.8422 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.517974 | 34.03990 | .1092283 | -.000680 | 1.282102 | .4017561 | .9093513 |
| Stddev | .005556  | .21257   | .0007573 | .000126  | .129156  | .0021405 | .0041405 |
| %RSD   | .1006829 | .6244726 | .6932851 | 18.48621 | 10.07377 | .5327758 | .4553270 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.522620 | 33.92555 | .1094693 | -.000714 | 1.182579 | .4038111 | .9103889 |
| #2 | 5.511820 | 34.28517 | .1083798 | -.000541 | 1.428054 | .3995394 | .9047906 |
| #3 | 5.519480 | 33.90898 | .1098356 | -.000785 | 1.235673 | .4019179 | .9128742 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 32.52327 | .8271088 | .1819747 | .0096387 | 1.903500 | 5.461762 | .0132205 |
| Stddev | .03882   | .0040486 | .0032798 | .0001463 | .010331  | .037709  | .0018573 |
| %RSD   | .1193667 | .4894856 | 1.802324 | 1.517903 | .5427344 | .6904218 | 14.04848 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 32.48257 | .8267612 | .1787877 | .0094908 | 1.898776 | 5.418408 | .0147416 |
| #2 | 32.55989 | .8232452 | .1853400 | .0097833 | 1.896376 | 5.486946 | .0111507 |
| #3 | 32.52734 | .8313199 | .1817963 | .0096420 | 1.915349 | 5.479932 | .0137693 |

Sample Name: J3363-12      Acquired: 6/8/2018 16:05:37      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GJ3      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 3.132360 | .0910428 | .1909106 |
| Stddev | .003085  | .0012009 | .0007345 |
| %RSD   | .0985033 | 1.318997 | .3847210 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 3.129465 | .0912642 | .1909734 |
| #2 | 3.135606 | .0897466 | .1916116 |
| #3 | 3.132010 | .0921175 | .1901467 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2504.199 | 2607.799 | 67974.84 | 8651.283 | 3693.187 |
| Stddev    | 8.733    | 15.391   | 283.33   | 20.779   | 19.410   |
| %RSD      | .3487492 | .5901962 | .4168138 | .2401895 | .5255567 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2514.269 | 2619.470 | 68277.86 | 8662.158 | 3706.571 |
| #2 | 2498.702 | 2613.571 | 67930.14 | 8627.323 | 3702.064 |
| #3 | 2499.626 | 2590.356 | 67716.52 | 8664.369 | 3670.926 |

Sample Name: CCV011      Acquired: 6/8/2018 16:09:38      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: CCV011      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.037581 | 5.055627 | 24.40628 | 4.892393 | 5.031789 | 393.0701 | 10.10453 |
| Stddev | .047285  | .068127  | .29878   | .047053  | .044160  | 3.3409   | .07093   |
| %RSD   | .9386389 | 1.347556 | 1.224213 | .9617504 | .8776144 | .8499423 | .7019477 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.992673 | 5.004009 | 24.20180 | 4.888053 | 5.013010 | 389.3651 | 10.02266 |
| #2 | 5.086929 | 5.132846 | 24.74917 | 4.941465 | 5.082234 | 395.8531 | 10.14327 |
| #3 | 5.033142 | 5.030025 | 24.26787 | 4.847660 | 5.000123 | 393.9921 | 10.14764 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4870362 | 2.486809 | 397.1206 | 15.23607 | 2.536689 | 14.99092 | 390.4372 |
| Stddev | .0029877 | .031737  | 3.0079   | .04259   | .029726  | .08273   | 4.4027   |
| %RSD   | .6134542 | 1.276205 | .7574385 | .2795648 | 1.171856 | .5518794 | 1.127623 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4844639 | 2.467963 | 393.7233 | 15.25309 | 2.517240 | 14.89906 | 385.9455 |
| #2 | .4903134 | 2.523450 | 398.1937 | 15.26753 | 2.570908 | 15.05955 | 394.7451 |
| #3 | .4863314 | 2.469014 | 399.4449 | 15.18760 | 2.521920 | 15.01414 | 390.6212 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 14.66700 | 386.5109 | 2.530414 | 1.238486 | 388.4760 | 2.417032 | 14.75118 |
| Stddev | .12530   | 4.1862   | .032494  | .002744  | 3.3193   | .029605  | .07750   |
| %RSD   | .8542692 | 1.083063 | 1.284138 | .2215905 | .8544349 | 1.224842 | .5253695 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 14.52565 | 382.3223 | 2.510361 | 1.236067 | 384.8777 | 2.389417 | 14.66170 |
| #2 | 14.71095 | 390.6946 | 2.567904 | 1.237924 | 391.4184 | 2.448290 | 14.79508 |
| #3 | 14.76440 | 386.5157 | 2.512976 | 1.241468 | 389.1318 | 2.413391 | 14.79676 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 151.1364 | 5.351061 | 4.858655 | 4.874043 | 5.198445 | 4.785484 | 5.024593 |
| Stddev | 1.1409   | .063105  | .038322  | .045429  | .060951  | .032126  | .064986  |
| %RSD   | .7548740 | 1.179306 | .7887316 | .9320580 | 1.172486 | .6713192 | 1.293349 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 149.9351 | 5.303301 | 4.823436 | 4.852179 | 5.155440 | 4.756304 | 4.976772 |
| #2 | 152.2054 | 5.422601 | 4.899465 | 4.926270 | 5.268196 | 4.819910 | 5.098583 |
| #3 | 151.2686 | 5.327279 | 4.853063 | 4.843680 | 5.171699 | 4.780238 | 4.998424 |

Sample Name: CCV011      Acquired: 6/8/2018 16:09:38      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCV011      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 4.844607 | 4.969487 | 4.936411 |
| Stddev | .043657  | .034324  | .010885  |
| %RSD   | .9011477 | .6906859 | .2205084 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 4.794968 | 4.929966 | 4.923894 |
| #2 | 4.877036 | 4.991834 | 4.943660 |
| #3 | 4.861818 | 4.986660 | 4.941679 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1898.133 | 1933.618 | 53238.96 | 7163.168 | 2939.542 |
| Stddev    | 4.912    | 11.054   | 245.11   | 43.760   | 24.290   |
| %RSD      | .2587817 | .5716884 | .4603920 | .6108965 | .8263222 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1903.414 | 1936.105 | 53267.79 | 7205.847 | 2953.665 |
| #2 | 1897.285 | 1921.532 | 52980.71 | 7118.403 | 2911.494 |
| #3 | 1893.700 | 1943.217 | 53468.38 | 7165.253 | 2953.467 |

Sample Name: CCB011      Acquired: 6/8/2018 16:13:33      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCB011      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000554 | -.000128 | -.000629 | -.001026 | .0003524 | .0153215 | -.000568 |
| Stddev | .002360  | .001394  | .001264  | .001275  | .0007276 | .0039447 | .000565  |
| %RSD   | 426.0540 | 1092.818 | 200.9393 | 124.3345 | 206.4839 | 25.74647 | 99.33509 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .001754  | -.001652 | -.001188 | -.000071 | .0010025 | .0198240 | .000049  |
| #2 | -.002962 | .001081  | -.001517 | -.002474 | -.000434 | .0124729 | -.000695 |
| #3 | -.000453 | .000188  | .000818  | -.000532 | .000488  | .0136676 | -.001059 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000244 | .0000133 | .0113839 | .0003558 | .0000583 | -.002038 | .0120112 |
| Stddev | .0000344 | .0000802 | .0083801 | .0001932 | .0002318 | .002391  | .0111977 |
| %RSD   | 140.7353 | 602.6578 | 73.61353 | 54.28816 | 397.7457 | 117.3299 | 93.22676 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000637 | .0000728 | .0181851 | .0005398 | -.000148 | -.004070 | .0001463 |
| #2 | -.000000 | .0000451 | .0020223 | .0003731 | .000309  | .000596  | .0223940 |
| #3 | .000010  | -.000078 | .0139444 | .0001546 | .000014  | -.002639 | .0134933 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0008854 | .0330646 | -.000031 | -.000228 | .1241566 | -.001687 | .0068458 |
| Stddev | .0013937 | .0230547 | .000156  | .000369  | .0576193 | .002707  | .0028276 |
| %RSD   | 157.4205 | 69.72625 | 507.6277 | 162.1036 | 46.40857 | 160.4375 | 41.30406 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0016064 | .0465376 | -.000211 | -.000106 | .0864569 | .000964  | .0098858 |
| #2 | .0017709 | .0064440 | .000058  | -.000643 | .1904831 | -.004447 | .0042943 |
| #3 | -.000721 | .0462123 | .000061  | .000065  | .0955298 | -.001579 | .0063572 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0229207 | .0001064 | .0041054 | .0001204 | -.021052 | .0018602 | .0000611 |
| Stddev | .0206220 | .0000718 | .0002316 | .0003311 | .001886  | .0004911 | .0005428 |
| %RSD   | 89.97104 | 67.47609 | 5.641238 | 275.0717 | 8.956347 | 26.39849 | 889.0225 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0030494 | .0001687 | .0039239 | -.000195 | -.018892 | .0013339 | -.000080 |
| #2 | .0442192 | .0000279 | .0043662 | .000465  | -.021894 | .0023061 | .000661  |
| #3 | .0214934 | .0001225 | .0040261 | .000092  | -.022370 | .0019407 | -.000397 |

Sample Name: CCB011      Acquired: 6/8/2018 16:13:33      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: CCB011      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0016315 | -.000561 | .0000930 |
| Stddev | .0013033 | .000513  | .0000607 |
| %RSD   | 79.88626 | 91.51662 | 65.29198 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0018229 | -.000290 | .0000277 |
| #2 | .0028285 | -.000240 | .0001478 |
| #3 | .0002430 | -.001153 | .0001034 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2265.479 | 2373.950 | 60918.31 | 7611.175 | 4002.242 |
| Stddev    | 14.532   | 9.867    | 241.09   | 32.847   | 18.925   |
| %RSD      | .6414745 | .4156565 | .3957647 | .4315652 | .4728585 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2280.870 | 2378.210 | 61154.50 | 7605.675 | 4003.550 |
| #2 | 2263.576 | 2380.973 | 60927.83 | 7581.425 | 4020.478 |
| #3 | 2251.992 | 2362.669 | 60672.59 | 7646.425 | 3982.696 |

Sample Name: PB110092BL      Acquired: 6/8/2018 16:19:40      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: PBS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.003407 | -.000304 | -.002320 | .0017799 | -.000109 | .0050856 | -.000661 |
| Stddev | .002974  | .001190  | .001965  | .0037721 | .001350  | .0077866 | .000561  |
| %RSD   | 87.31154 | 391.6052 | 84.67356 | 211.9320 | 1233.521 | 153.1104 | 84.94509 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000820 | -.000327 | -.004567 | .0053850 | .000033  | .0017964 | -.000457 |
| #2 | -.006656 | -.001482 | -.000927 | .0020941 | -.001524 | -.000517 | -.000230 |
| #3 | -.002743 | .000897  | -.001467 | -.002140 | .001164  | .013977  | -.001296 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000306 | .0000056 | .0147979 | .0002967 | -.000046 | -.001280 | .0117816 |
| Stddev | .0000562 | .0000396 | .0039370 | .0002918 | .000381  | .002828  | .0040080 |
| %RSD   | 183.8899 | 702.3556 | 26.60503 | 98.35076 | 828.4040 | 220.8875 | 34.01935 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000008 | .0000066 | .0118519 | .0004098 | -.000342 | .001324  | .0128119 |
| #2 | .000095  | -.000034 | .0132725 | .0005151 | .000384  | -.004289 | .0073590 |
| #3 | .000004  | .000045  | .0192693 | -.000035 | -.000180 | -.000877 | .0151739 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0005929 | .0395136 | -.000490 | -.000282 | .1693452 | -.003908 | .0015426 |
| Stddev | .0003462 | .0276442 | .000244  | .000347  | .0365533 | .004912  | .0029823 |
| %RSD   | 58.40179 | 69.96135 | 49.85604 | 123.1081 | 21.58509 | 125.6811 | 193.3219 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0003091 | .0524878 | -.000572 | -.000125 | .2046025 | .001142  | .0048730 |
| #2 | .0009786 | .0077687 | -.000683 | -.000041 | .1316209 | -.004198 | .0006361 |
| #3 | .0004909 | .0582842 | -.000215 | -.000679 | .1718122 | -.008670 | -.000881 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0370335 | -.000159 | .0007347 | -.000133 | -.023910 | .0012562 | .0000665 |
| Stddev | .0222391 | .000229  | .0001841 | .000087  | .003713  | .0003323 | .0008039 |
| %RSD   | 60.05109 | 143.9173 | 25.06074 | 65.02474 | 15.52742 | 26.45505 | 1209.338 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0118518 | .000026  | .0008473 | -.000227 | -.028197 | .0012078 | .0009317 |
| #2 | .0452673 | -.000416 | .0005222 | -.000118 | -.021789 | .0009508 | -.000075 |
| #3 | .0539815 | -.000088 | .0008346 | -.000056 | -.021744 | .0016101 | -.000657 |

Sample Name: PB110092BL      Acquired: 6/8/2018 16:19:40      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: PBS002      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0004882 | -.000402 | .0000238 |
| Stddev | .0007140 | .000392  | .0000316 |
| %RSD   | 146.2584 | 97.61483 | 133.1303 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0010034 | -.000624 | .0000266 |
| #2 | -.000327 | -.000633 | .0000539 |
| #3 | .000788  | .000051  | -.000009 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2266.515 | 2359.115 | 61021.48 | 7596.158 | 3970.097 |
| Stddev    | 5.944    | 10.387   | 305.04   | 29.809   | 16.801   |
| %RSD      | .2622658 | .4402898 | .4998837 | .3924198 | .4231973 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2267.714 | 2357.408 | 61353.64 | 7561.800 | 3974.537 |
| #2 | 2271.767 | 2370.250 | 60753.91 | 7615.125 | 3984.232 |
| #3 | 2260.062 | 2349.688 | 60956.89 | 7611.550 | 3951.521 |

Sample Name: PB110092BS      Acquired: 6/8/2018 16:23:48      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: LCS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0149382 | .0515188 | .0185803 | .0672623 | .1128246 | .3677334 |
| Stddev | .0046522 | .0015177 | .0015331 | .0009455 | .0014419 | .0077433 |
| %RSD   | 31.14300 | 2.945963 | 8.251424 | 1.405703 | 1.278014 | 2.105687 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0137943 | .0501987 | .0192764 | .0661735 | .1132780 | .3760403 |
| #2 | .0200557 | .0531771 | .0196420 | .0677368 | .1139854 | .3664447 |
| #3 | .0109647 | .0511805 | .0168227 | .0678765 | .1112105 | .3607153 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3891295 | .0096247 | .0096209 | 9.665361 | .0217047 | .0937161 |
| Stddev | .0003794 | .0000866 | .0000773 | .017296  | .0004851 | .0001669 |
| %RSD   | .0975028 | .8993992 | .8038048 | .1789482 | 2.234798 | .1781396 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3891235 | .0095809 | .0095866 | 9.646325 | .0222648 | .0935705 |
| #2 | .3895119 | .0095688 | .0097094 | 9.680110 | .0214251 | .0938983 |
| #3 | .3887532 | .0097244 | .0095665 | 9.669649 | .0214242 | .0936794 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0507487 | .2161486 | .0324376 | 8.827962 | .0780263 | .0191375 |
| Stddev | .0012006 | .0079240 | .0004893 | .084812  | .0006349 | .0003451 |
| %RSD   | 2.365806 | 3.665989 | 1.508473 | .9607170 | .8137245 | 1.803102 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0511202 | .2076316 | .0328475 | 8.829251 | .0779897 | .0193060 |
| #2 | .0494063 | .2233028 | .0325696 | 8.912121 | .0774104 | .0193659 |
| #3 | .0517197 | .2175116 | .0318959 | 8.742512 | .0786787 | .0187406 |

|        |          |          |          |          |            |            |
|--------|----------|----------|----------|----------|------------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm        |
| Avg    | 9.162832 | .0969773 | .1200736 | 9.236874 | F .0045834 | F .0187103 |
| Stddev | .030453  | .0026256 | .0063732 | .023488  | .0000911   | .0003250   |
| %RSD   | .3323539 | 2.707478 | 5.307718 | .2542804 | 1.987317   | 1.736789   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.190037 | .0987899 | .1135661 | 9.263988 | .0046057 | .0186158 |
| #2 | 9.129934 | .0981758 | .1263033 | 9.223887 | .0044833 | .0184431 |
| #3 | 9.168523 | .0939663 | .1203514 | 9.222749 | .0046613 | .0190721 |

Sample Name: PB110092BS      Acquired: 6/8/2018 16:23:48      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: LCS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899     | Ti3361   | Li6707   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0194612 | .1428108 | .1834771 | F .0139554 | .1920613 | .0887293 |
| Stddev | .0003002 | .0056351 | .0008483 | .0009635   | .0010286 | .0009456 |
| %RSD   | 1.542483 | 3.945869 | .4623479 | 6.904335   | .5355426 | 1.065764 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0198046 | .1392285 | .1830786 | .0128598 | .1910808 | .0889354 |
| #2 | .0192487 | .1398977 | .1844513 | .0143354 | .1919711 | .0895549 |
| #3 | .0193304 | .1493062 | .1829015 | .0146709 | .1931320 | .0876976 |

|        |          |
|--------|----------|
| Elem   | Sr4077   |
| Units  | ppm      |
| Avg    | .1932428 |
| Stddev | .0000485 |
| %RSD   | .0251063 |

|    |          |
|----|----------|
| #1 | .1932087 |
| #2 | .1932984 |
| #3 | .1932214 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2222.396 | 2344.505 | 59778.91 | 7536.979 | 3931.586 |
| Stddev    | 19.959   | 2.632    | 632.69   | 20.723   | 10.416   |
| %RSD      | .8980911 | .1122535 | 1.058379 | .2749526 | .2649238 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2200.005 | 2341.518 | 59068.35 | 7539.531 | 3932.817 |
| #2 | 2238.319 | 2345.515 | 59987.17 | 7556.309 | 3941.332 |
| #3 | 2228.863 | 2346.482 | 60281.22 | 7515.099 | 3920.610 |

Sample Name: J3364-01      Acquired: 6/8/2018 16:27:55      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GK2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1326520 | -.000980 | 1.139347 | -.036100 | .0089962 | 81.90126 | 1.276741 |
| Stddev | .0022605 | .001403  | .005072  | .001559  | .0018386 | .48840   | .002407  |
| %RSD   | 1.704091 | 143.2635 | .4451616 | 4.318510 | 20.43727 | .5963274 | .1884984 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1349396 | -.000674 | 1.134196 | -.035908 | .0109725 | 81.44551 | 1.275962 |
| #2 | .1304196 | -.002511 | 1.144336 | -.037747 | .0086798 | 82.41680 | 1.279441 |
| #3 | .1325968 | .000246  | 1.139509 | -.034646 | .0073364 | 81.84147 | 1.274820 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0069819 | .0402132 | 69.03433 | .1790338 | .0846483 | .3652361 | 210.9118 |
| Stddev | .0000960 | .0003160 | .13311   | .0009923 | .0005899 | .0003929 | 2.9574   |
| %RSD   | 1.375212 | .7857331 | .1928109 | .5542337 | .6968478 | .1075838 | 1.402204 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0069045 | .0399764 | 68.89612 | .1799885 | .0843741 | .3655010 | 207.9726 |
| #2 | .0070894 | .0405720 | 69.16166 | .1780078 | .0853254 | .3654226 | 213.8871 |
| #3 | .0069520 | .0400913 | 69.04520 | .1791051 | .0842455 | .3647846 | 210.8756 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.494134 | 45.14097 | .1149933 | -.002743 | 1.690327 | .5246109 | .8952050 |
| Stddev | .009995  | .81267   | .0008794 | .000465  | .091837  | .0031564 | .0103373 |
| %RSD   | .1819305 | 1.800305 | .7647763 | 16.96134 | 5.433120 | .6016626 | 1.154744 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.483048 | 44.26561 | .1143728 | -.003251 | 1.789625 | .5222362 | .8853435 |
| #2 | 5.502457 | 45.87148 | .1159997 | -.002338 | 1.608443 | .5281927 | .8943113 |
| #3 | 5.496898 | 45.28582 | .1146073 | -.002641 | 1.672913 | .5234037 | .9059601 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 30.29756 | 1.137466 | .2044270 | .0084312 | 3.376644 | 3.808457 | .0105725 |
| Stddev | .13298   | .007548  | .0066573 | .0000859 | .033380  | .047730  | .0015009 |
| %RSD   | .4389055 | .6635525 | 3.256561 | 1.018441 | .9885573 | 1.253252 | 14.19585 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 30.14618 | 1.138993 | .1997001 | .0085039 | 3.385966 | 3.753455 | .0094196 |
| #2 | 30.39554 | 1.144133 | .2120404 | .0084532 | 3.404372 | 3.838989 | .0100284 |
| #3 | 30.35095 | 1.129272 | .2015406 | .0083364 | 3.339594 | 3.832928 | .0122695 |

Sample Name: J3364-01      Acquired: 6/8/2018 16:27:55      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GK2      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.861419 | .0923754 | .2931188 |
| Stddev | .030083  | .0008560 | .0010343 |
| %RSD   | 1.051330 | .9267009 | .3528650 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.830675 | .0920618 | .2919937 |
| #2 | 2.890795 | .0933440 | .2940283 |
| #3 | 2.862787 | .0917203 | .2933343 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2434.325 | 2536.831 | 66415.31 | 8578.439 | 3587.813 |
| Stddev    | 8.510    | 19.162   | 164.06   | 52.058   | 25.273   |
| %RSD      | .3495967 | .7553643 | .2470270 | .6068425 | .7044097 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2430.753 | 2549.208 | 66241.75 | 8630.837 | 3599.314 |
| #2 | 2428.184 | 2514.758 | 66567.86 | 8526.729 | 3558.835 |
| #3 | 2444.039 | 2546.527 | 66436.33 | 8577.750 | 3605.289 |

Sample Name: J3364-02      Acquired: 6/8/2018 16:31:55      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GK2D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1257881 | -.002224 | 1.121090 | -.035184 | .0088667 | 80.36201 | 1.252492 |
| Stddev | .0068629 | .004968  | .013970  | .005272  | .0012623 | 2.62954  | .041368  |
| %RSD   | 5.455951 | 223.3849 | 1.246080 | 14.98383 | 14.23599 | 3.272113 | 3.302862 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1194251 | -.001841 | 1.123680 | -.040108 | .0097387 | 77.35273 | 1.205209 |
| #2 | .1248788 | -.007373 | 1.106007 | -.035822 | .0074193 | 81.51650 | 1.270251 |
| #3 | .1330604 | .002541  | 1.133584 | -.029622 | .0094422 | 82.21681 | 1.282015 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0068000 | .0399176 | 68.13030 | .1791217 | .0841833 | .3573060 | 206.8266 |
| Stddev | .0002285 | .0005154 | 2.28986  | .0003302 | .0013224 | .0147665 | 6.5214   |
| %RSD   | 3.360335 | 1.291189 | 3.361006 | .1843277 | 1.570839 | 4.132745 | 3.153070 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0065430 | .0400974 | 65.49466 | .1792150 | .0835823 | .3404303 | 199.3560 |
| #2 | .0068769 | .0393364 | 69.26500 | .1787549 | .0832680 | .3636317 | 209.7427 |
| #3 | .0069802 | .0403190 | 69.63123 | .1793952 | .0856994 | .3678559 | 211.3810 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.403491 | 44.52012 | .1132109 | -.003506 | 1.741977 | .5081950 | .8851120 |
| Stddev | .191230  | 1.51840  | .0016501 | .000482  | .141340  | .0151270 | .0127526 |
| %RSD   | 3.539013 | 3.410597 | 1.457515 | 13.75541 | 8.113784 | 2.976622 | 1.440786 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.183826 | 42.78446 | .1134111 | -.004059 | 1.590365 | .4922051 | .8708234 |
| #2 | 5.493838 | 45.17313 | .1114698 | -.003175 | 1.870103 | .5101013 | .8891731 |
| #3 | 5.532807 | 45.60278 | .1147517 | -.003284 | 1.765462 | .5222785 | .8953394 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 29.72030 | 1.125909 | .2032007 | .0083666 | 3.340235 | 3.716141 | .0101880 |
| Stddev | 1.06496  | .011902  | .0068519 | .0004047 | .033580  | .164059  | .0016063 |
| %RSD   | 3.583290 | 1.057084 | 3.371984 | 4.837304 | 1.005319 | 4.414775 | 15.76618 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 28.51535 | 1.124003 | .1952889 | .0079030 | 3.335539 | 3.541413 | .0105124 |
| #2 | 30.11014 | 1.115076 | .2071417 | .0086496 | 3.309250 | 3.740117 | .0116073 |
| #3 | 30.53542 | 1.138649 | .2071716 | .0085471 | 3.375916 | 3.866893 | .0084443 |

Sample Name: J3364-02      Acquired: 6/8/2018 16:31:55      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GK2D      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.802188 | .0901300 | .2892361 |
| Stddev | .093212  | .0029914 | .0097724 |
| %RSD   | 3.326413 | 3.318967 | 3.378694 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.695294 | .0866810 | .2780059 |
| #2 | 2.844735 | .0916902 | .2938955 |
| #3 | 2.866535 | .0920187 | .2958067 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2443.329 | 2556.393 | 66299.68 | 8689.522 | 3617.747 |
| Stddev    | 11.969   | 13.961   | 81.36    | 245.645  | 31.940   |
| %RSD      | .4898596 | .5461066 | .1227219 | 2.826915 | .8828808 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2457.117 | 2552.210 | 66328.92 | 8972.009 | 3612.942 |
| #2 | 2437.250 | 2571.967 | 66207.74 | 8570.479 | 3651.818 |
| #3 | 2435.619 | 2545.002 | 66362.39 | 8526.079 | 3588.481 |

Sample Name: J3364-03      Acquired: 6/8/2018 16:35:56      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GK2S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2048968 | .1354111 | 1.126698 | .0848756 | .2435198 | 83.90183 | 6.385374 |
| Stddev | .0023702 | .0023126 | .004215  | .0032984 | .0005485 | .39562   | .024862  |
| %RSD   | 1.156756 | 1.707796 | .3741200 | 3.886178 | .2252557 | .4715320 | .3893559 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2070554 | .1348117 | 1.128176 | .0849221 | .2433111 | 84.17654 | 6.401266 |
| #2 | .2023605 | .1334573 | 1.121943 | .0815542 | .2431063 | 83.44838 | 6.356723 |
| #3 | .2052745 | .1379644 | 1.129976 | .0881505 | .2441421 | 84.08059 | 6.398132 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1246265 | .1739597 | 69.26402 | .6930576 | 1.487046 | .9806826 | 205.1570 |
| Stddev | .0009345 | .0012580 | .29077   | .0050761 | .009045  | .0104257 | 1.6113   |
| %RSD   | .7498357 | .7231680 | .4198064 | .7324192 | .6082265 | 1.063110 | .7853797 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1255530 | .1739812 | 69.20781 | .6987638 | 1.487772 | .9854977 | 206.5256 |
| #2 | .1236842 | .1726910 | 69.00545 | .6890443 | 1.477660 | .9687196 | 203.3812 |
| #3 | .1246424 | .1752068 | 69.57879 | .6913646 | 1.495705 | .9878306 | 205.5644 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.648958 | 44.24600 | 1.524920 | .1158698 | 1.764095 | 1.745369 | 2.054842 |
| Stddev | .029921  | .16711   | .008954  | .0007297 | .074227  | .012217  | .019274  |
| %RSD   | .4500122 | .3776867 | .5871980 | .6297254 | 4.207673 | .6999736 | .9379704 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.651332 | 44.40456 | 1.528189 | .1154773 | 1.712228 | 1.755359 | 2.075545 |
| #2 | 6.617920 | 44.07148 | 1.514790 | .1154204 | 1.849122 | 1.731748 | 2.051562 |
| #3 | 6.677621 | 44.26195 | 1.531780 | .1167117 | 1.730936 | 1.748999 | 2.037418 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 29.42169 | 1.118292 | .1972791 | .0083421 | 3.259441 | 3.741109 | .0108409 |
| Stddev | .18560   | .005891  | .0012978 | .0004121 | .017814  | .074937  | .0004946 |
| %RSD   | .6308122 | .5268126 | .6578709 | 4.940011 | .5465353 | 2.003082 | 4.562670 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 29.53420 | 1.112306 | .1983855 | .0080513 | 3.244508 | 3.785190 | .0109082 |
| #2 | 29.20747 | 1.118486 | .1958506 | .0088137 | 3.254656 | 3.654584 | .0112985 |
| #3 | 29.52340 | 1.124084 | .1976014 | .0081613 | 3.279159 | 3.783554 | .0103161 |

Sample Name: J3364-03      Acquired: 6/8/2018 16:35:56      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GK2S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.746200 | .0917764 | .2887382 |
| Stddev | .018846  | .0003570 | .0007616 |
| %RSD   | .6862570 | .3889917 | .2637554 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.757493 | .0920925 | .2890257 |
| #2 | 2.724443 | .0913892 | .2878748 |
| #3 | 2.756662 | .0918475 | .2893142 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2446.599 | 2544.448 | 66506.52 | 8557.219 | 3625.315 |
| Stddev    | 3.286    | 6.822    | 326.66   | 61.078   | 16.955   |
| %RSD      | .1343110 | .2681299 | .4911649 | .7137634 | .4676929 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2447.553 | 2543.102 | 66244.19 | 8500.100 | 3621.449 |
| #2 | 2442.941 | 2551.843 | 66872.40 | 8621.606 | 3643.870 |
| #3 | 2449.302 | 2538.399 | 66402.97 | 8549.950 | 3610.627 |

Sample Name: J3364-01LX5      Acquired: 6/8/2018 16:39:51      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GK2L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0292061 | .0005757 | .2237986 | -.006531 | .0012503 | 17.32857 | .2718755 |
| Stddev | .0028937 | .0006096 | .0024388 | .001711  | .0015998 | .03218   | .0010128 |
| %RSD   | 9.907922 | 105.8861 | 1.089753 | 26.20187 | 127.9515 | .1856944 | .3725064 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0323345 | .0001598 | .2264510 | -.006892 | .0019041 | 17.33355 | .2723167 |
| #2 | .0266254 | .0002919 | .2232919 | -.004668 | -.000573 | 17.35796 | .2725928 |
| #3 | .0286582 | .0012756 | .2216529 | -.008033 | .002420  | 17.29419 | .2707170 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0014988 | .0076167 | 15.30089 | .0389592 | .0157586 | .0772421 | 45.80843 |
| Stddev | .0000857 | .0002065 | .03561   | .0005671 | .0001642 | .0003902 | .16895   |
| %RSD   | 5.714885 | 2.710455 | .2327032 | 1.455689 | 1.041915 | .5051148 | .3688215 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0015892 | .0077959 | 15.34195 | .0393863 | .0159237 | .0773853 | 45.61724 |
| #2 | .0014884 | .0073909 | 15.27839 | .0383157 | .0155953 | .0768006 | 45.87040 |
| #3 | .0014189 | .0076631 | 15.28235 | .0391755 | .0157570 | .0775406 | 45.93764 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.197587 | 9.849411 | .0218874 | -.000556 | .5220786 | .1112040 | .1870570 |
| Stddev | .002323  | .097824  | .0004534 | .000334  | .1108668 | .0026929 | .0042056 |
| %RSD   | .1939841 | .9932011 | 2.071690 | 60.11102 | 21.23564 | 2.421552 | 2.248295 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.195594 | 9.736454 | .0223622 | -.000870 | .4907716 | .1085390 | .1911095 |
| #2 | 1.197030 | 9.906246 | .0218411 | -.000593 | .6452326 | .1139239 | .1827135 |
| #3 | 1.200138 | 9.905534 | .0214589 | -.000205 | .4302318 | .1111492 | .1873479 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.418362 | .2204786 | .0434452 | .0017593 | .6283491 | .8140743 | .0013431 |
| Stddev | .019877  | .0016608 | .0011604 | .0000403 | .0071559 | .0121724 | .0001719 |
| %RSD   | .3096860 | .7532763 | 2.670894 | 2.288426 | 1.138838 | 1.495246 | 12.80025 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.395702 | .2221916 | .0423507 | .0017318 | .6366103 | .8036304 | .0014091 |
| #2 | 6.432854 | .2203688 | .0433231 | .0017406 | .6243636 | .8274425 | .0011480 |
| #3 | 6.426530 | .2188754 | .0446618 | .0018055 | .6240734 | .8111501 | .0014724 |

Sample Name: J3364-01LX5      Acquired: 6/8/2018 16:39:51      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GK2L      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6055066 | .0185058 | .0632748 |
| Stddev | .0005277 | .0000351 | .0001747 |
| %RSD   | .0871536 | .1897486 | .2760456 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .6058591 | .0185169 | .0633964 |
| #2 | .6048999 | .0185340 | .0633533 |
| #3 | .6057609 | .0184665 | .0630746 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2300.966 | 2404.177 | 61980.21 | 7853.542 | 3871.613 |
| Stddev    | 24.609   | 16.977   | 753.25   | 21.624   | 26.303   |
| %RSD      | 1.069505 | .7061521 | 1.215305 | .2753366 | .6793720 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2282.079 | 2384.816 | 61301.17 | 7833.375 | 3841.246 |
| #2 | 2328.796 | 2416.523 | 62790.43 | 7850.875 | 3887.280 |
| #3 | 2292.024 | 2411.191 | 61849.02 | 7876.375 | 3886.311 |

Sample Name: PB110091BL      Acquired: 6/8/2018 16:43:57      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: PBS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000724 | .0001112 | -.002237 | .0011335 | -.000772 | .0069261 | -.000532 |
| Stddev | .004669  | .0016575 | .000816  | .0011636 | .001043  | .0074398 | .000449  |
| %RSD   | 644.8856 | 1489.806 | 36.50023 | 102.6540 | 135.0947 | 107.4177 | 84.37828 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .004650  | .0013921 | -.001342 | .0015879 | -.001089 | .0024408 | -.000576 |
| #2 | -.003040 | -.001761 | -.002426 | -.000189 | .000393  | .0028234 | -.000958 |
| #3 | -.003782 | .000702  | -.002942 | .002001  | -.001620 | .0155141 | -.000063 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000198 | .0000126 | -.001895 | -.000064 | .0000916 | .0008615 | .0069257 |
| Stddev | .0000083 | .0000358 | .006797  | .000393  | .0002779 | .0010912 | .0022043 |
| %RSD   | 41.98848 | 285.1098 | 358.7214 | 609.6825 | 303.4388 | 126.6611 | 31.82791 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000102 | .0000530 | .003457  | -.000324 | .0000377 | .0002561 | .0094591 |
| #2 | .0000244 | .0000002 | -.009543 | -.000256 | .0003925 | .0021213 | .0058727 |
| #3 | .0000248 | -.000015 | .000401  | .000387  | -.000155 | .0002072 | .0054455 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000649 | -.005149 | -.000184 | -.000451 | .1878039 | -.001005 | .0075335 |
| Stddev | .000822  | .044985  | .000430  | .000448  | .1606766 | .001796  | .0058711 |
| %RSD   | 126.5749 | 873.6017 | 234.4904 | 99.25768 | 85.55551 | 178.5821 | 77.93350 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.001519 | -.057011 | .000032  | -.000418 | .3217451 | -.002373 | .0109062 |
| #2 | .000114  | .023319  | .000097  | -.000021 | .0096498 | -.001671 | .0007541 |
| #3 | -.000542 | .018243  | -.000679 | -.000915 | .2320168 | .001028  | .0109401 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0133188 | -.000141 | -.000819 | .0001344 | -.023798 | .0019425 | .0005422 |
| Stddev | .0047979 | .000300  | .001007  | .0000729 | .001120  | .0006276 | .0005752 |
| %RSD   | 36.02351 | 213.0731 | 122.9613 | 54.21503 | 4.706232 | 32.31042 | 106.0913 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0084094 | -.000140 | -.000380 | .0000817 | -.024785 | .0016678 | .0011813 |
| #2 | .0135502 | .000159  | -.000106 | .0001040 | -.022581 | .0014990 | .0000661 |
| #3 | .0179968 | -.000442 | -.001970 | .0002176 | -.024029 | .0026606 | .0003791 |

Sample Name: PB110091BL      Acquired: 6/8/2018 16:43:57      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: PBS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0011001 | -.002173 | .0000182 |
| Stddev | .0013312 | .000374  | .0000187 |
| %RSD   | 121.0056 | 17.19624 | 102.5865 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0016763 | -.002499 | .0000394 |
| #2 | .0020461 | -.001765 | .0000116 |
| #3 | -.000422 | -.002255 | .0000038 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2250.234 | 2372.672 | 60510.70 | 7618.325 | 3980.697 |
| Stddev    | 8.810    | 3.776    | 138.24   | 108.858  | 11.357   |
| %RSD      | .3914996 | .1591628 | .2284516 | 1.428900 | .2853123 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2245.063 | 2373.263 | 60460.73 | 7532.350 | 3985.588 |
| #2 | 2245.234 | 2376.118 | 60404.40 | 7740.725 | 3988.790 |
| #3 | 2260.406 | 2368.635 | 60666.97 | 7581.900 | 3967.714 |

Sample Name: PB110091BS      Acquired: 6/8/2018 16:48:08      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: LCS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0176208 | .0532050 | .0193073 | .0712502 | .1157892 | .3727077 | .3936813 |
| Stddev | .0031247 | .0006921 | .0011518 | .0025975 | .0023064 | .0047116 | .0009016 |
| %RSD   | 17.73283 | 1.300785 | 5.965525 | 3.645604 | 1.991862 | 1.264147 | .2290225 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0203653 | .0525456 | .0185020 | .0687474 | .1131294 | .3713972 | .3927250 |
| #2 | .0142202 | .0531438 | .0206266 | .0710702 | .1170049 | .3779358 | .3945158 |
| #3 | .0182771 | .0539257 | .0187933 | .0739331 | .1172334 | .3687901 | .3938032 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0095979 | .0099369 | 9.774399 | .0216467 | .0969141 | .0494833 | .2132575 |
| Stddev | .0000560 | .0001168 | .058589  | .0002954 | .0016449 | .0024798 | .0050621 |
| %RSD   | .5837895 | 1.175383 | .5994159 | 1.364732 | 1.697274 | 5.011431 | 2.373699 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0095344 | .0098024 | 9.707835 | .0213694 | .0953268 | .0481348 | .2161199 |
| #2 | .0096404 | .0099964 | 9.818151 | .0216133 | .0986111 | .0523451 | .2162400 |
| #3 | .0096190 | .0100121 | 9.797211 | .0219574 | .0968043 | .0479699 | .2074127 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0321704 | 8.861405 | .0805287 | .0194493 | 9.306490 | .0937104 | .1130232 |
| Stddev | .0006179 | .103576  | .0012339 | .0002757 | .013921  | .0024706 | .0060788 |
| %RSD   | 1.920578 | 1.168839 | 1.532238 | 1.417523 | .1495886 | 2.636436 | 5.378333 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0323475 | 8.952269 | .0791376 | .0196568 | 9.302047 | .0910330 | .1087722 |
| #2 | .0314834 | 8.748626 | .0814909 | .0191364 | 9.295333 | .0959021 | .1103115 |
| #3 | .0326804 | 8.883321 | .0809577 | .0195545 | 9.322091 | .0941960 | .1199858 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 9.296010 | .0042605 | .0175425 | .0198770 | .1476797 | .1830570 | .0140696 |
| Stddev | .006687  | .0003762 | .0005069 | .0005160 | .0033645 | .0020576 | .0002453 |
| %RSD   | .0719312 | 8.829470 | 2.889715 | 2.596146 | 2.278263 | 1.124042 | 1.743630 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 9.299701 | .0038262 | .0170944 | .0193198 | .1439686 | .1810376 | .0138450 |
| #2 | 9.288291 | .0044690 | .0180927 | .0199729 | .1485400 | .1829825 | .0143314 |
| #3 | 9.300037 | .0044863 | .0174403 | .0203384 | .1505306 | .1851509 | .0140323 |

Sample Name: PB110091BS      Acquired: 6/8/2018 16:48:08      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: LCS002      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1923872 | .0891576 | .1950771 |
| Stddev | .0010132 | .0004553 | .0002226 |
| %RSD   | .5266387 | .5106924 | .1141253 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .1931055 | .0887427 | .1952091 |
| #2 | .1912283 | .0896447 | .1948201 |
| #3 | .1928278 | .0890854 | .1952022 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2228.940 | 2323.221 | 59837.40 | 7590.063 | 3883.658 |
| Stddev    | 23.067   | 34.209   | 593.70   | 58.884   | 56.751   |
| %RSD      | 1.034906 | 1.472470 | .9921838 | .7757983 | 1.461272 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2233.668 | 2360.473 | 60247.03 | 7657.485 | 3944.565 |
| #2 | 2249.278 | 2293.217 | 60108.64 | 7548.740 | 3832.267 |
| #3 | 2203.875 | 2315.972 | 59156.53 | 7563.962 | 3874.143 |

Sample Name: J3380-09      Acquired: 6/8/2018 16:52:16      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0G61      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.221729 | .0194607 | 8.279202 | -.033127 | .0302610 | 98.48897 | 1.275505 |
| Stddev | .020557  | .0016813 | .151870  | .002881  | .0018830 | .40318   | .006775  |
| %RSD   | 1.682623 | 8.639352 | 1.834350 | 8.697272 | 6.222391 | .4093662 | .5311560 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.232943 | .0175441 | 8.350550 | -.036217 | .0294712 | 98.02438 | 1.273451 |
| #2 | 1.234242 | .0201515 | 8.382260 | -.032651 | .0289015 | 98.74728 | 1.283070 |
| #3 | 1.198004 | .0206866 | 8.104796 | -.030514 | .0324102 | 98.69524 | 1.269995 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0088199 | .2832509 | 41.79342 | .1405392 | .1186696 | 1.342443 | 208.4166 |
| Stddev | .0001144 | .0056871 | .11645   | .0053153 | .0020642 | .010572  | 1.4148   |
| %RSD   | 1.297195 | 2.007799 | .2786385 | 3.782062 | 1.739449 | .7875289 | .6788119 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0087986 | .2855572 | 41.77679 | .1466191 | .1194483 | 1.330555 | 207.1919 |
| #2 | .0087176 | .2874226 | 41.91729 | .1382255 | .1202311 | 1.350790 | 208.0927 |
| #3 | .0089435 | .2767729 | 41.68618 | .1367728 | .1163293 | 1.345984 | 209.9652 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 13.70393 | 50.56402 | .1283823 | .0503562 | 1.733708 | .4036019 | 8.116128 |
| Stddev | .00843   | .38584   | .0018126 | .0011692 | .068221  | .0015446 | .163106  |
| %RSD   | .0615051 | .7630703 | 1.411893 | 2.321818 | 3.934981 | .3826979 | 2.009655 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 13.70899 | 50.32628 | .1288470 | .0517062 | 1.808306 | .4051861 | 8.300709 |
| #2 | 13.69420 | 50.35658 | .1299174 | .0496817 | 1.718329 | .4021003 | 8.056254 |
| #3 | 13.70860 | 51.00920 | .1263826 | .0496805 | 1.674490 | .4035194 | 7.991419 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 40.04375 | 1.233330 | .1863386 | .0115838 | 3.023915 | 4.896358 | .0234241 |
| Stddev | .21947   | .022020  | .0035701 | .0005010 | .056476  | .073678  | .0007460 |
| %RSD   | .5480786 | 1.785378 | 1.915949 | 4.324970 | 1.867658 | 1.504751 | 3.184587 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 39.82125 | 1.238597 | .1835908 | .0116676 | 3.054086 | 4.905314 | .0227778 |
| #2 | 40.26006 | 1.252239 | .1850510 | .0120376 | 3.058898 | 4.818612 | .0242404 |
| #3 | 40.04996 | 1.209155 | .1903739 | .0110461 | 2.958761 | 4.965149 | .0232542 |

Sample Name: J3380-09      Acquired: 6/8/2018 16:52:16      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0G61      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 5.132105 | .1452292 | .2959158 |
| Stddev | .033393  | .0015575 | .0004515 |
| %RSD   | .6506717 | 1.072422 | .1525800 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 5.095595 | .1434327 | .2956239 |
| #2 | 5.139620 | .1460551 | .2964359 |
| #3 | 5.161101 | .1461998 | .2956878 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2540.431 | 2688.781 | 68859.96 | 8984.982 | 3637.311 |
| Stddev    | 63.038   | 30.744   | 1836.54  | 31.285   | 59.325   |
| %RSD      | 2.481408 | 1.143401 | 2.667069 | .3481942 | 1.631022 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2468.619 | 2671.877 | 66780.91 | 9009.360 | 3609.128 |
| #2 | 2566.037 | 2670.198 | 69537.49 | 8995.881 | 3597.329 |
| #3 | 2586.638 | 2724.267 | 70261.48 | 8949.705 | 3705.474 |

Sample Name: J3380-10      Acquired: 6/8/2018 16:56:15      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0G61D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.227335 | .0152538 | 8.277714 | -.033634 | .0319222 | 98.28282 | 1.275327 |
| Stddev | .008714  | .0017900 | .031093  | .004850  | .0012457 | .25042   | .000486  |
| %RSD   | .7100110 | 11.73469 | .3756195 | 14.42117 | 3.902247 | .2547959 | .0380947 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.223863 | .0154680 | 8.272230 | -.038841 | .0333394 | 98.04240 | 1.274822 |
| #2 | 1.237250 | .0133664 | 8.311184 | -.029245 | .0310003 | 98.54217 | 1.275370 |
| #3 | 1.220892 | .0169270 | 8.249728 | -.032815 | .0314270 | 98.26390 | 1.275791 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0088287 | .2840878 | 41.68944 | .1377890 | .1196181 | 1.334958 | 207.7901 |
| Stddev | .0000645 | .0013704 | .14564   | .0001251 | .0003797 | .003525  | .4394    |
| %RSD   | .7307902 | .4823685 | .3493439 | .0907780 | .3174412 | .2640811 | .2114453 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0088215 | .2841188 | 41.53861 | .1377810 | .1193706 | 1.333818 | 207.4782 |
| #2 | .0087680 | .2854424 | 41.70045 | .1376682 | .1200553 | 1.338913 | 208.2925 |
| #3 | .0088965 | .2827023 | 41.82926 | .1379179 | .1194283 | 1.332144 | 207.5994 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 13.70506 | 50.24104 | .1281960 | .0496352 | 1.807035 | .4020845 | 7.975456 |
| Stddev | .04445   | .17914   | .0010591 | .0003180 | .104036  | .0055262 | .009725  |
| %RSD   | .3243223 | .3565572 | .8261317 | .6405823 | 5.757292 | 1.374395 | .1219324 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 13.66185 | 50.03570 | .1280054 | .0494520 | 1.687336 | .4019984 | 7.964306 |
| #2 | 13.70267 | 50.36531 | .1293375 | .0500023 | 1.858081 | .3966019 | 7.979875 |
| #3 | 13.75065 | 50.32211 | .1272452 | .0494512 | 1.875690 | .4076533 | 7.982185 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 39.84949 | 1.231460 | .1882796 | .0113917 | 3.011538 | 4.807105 | .0220641 |
| Stddev | .05213   | .015290  | .0024776 | .0003460 | .035880  | .059910  | .0010335 |
| %RSD   | .1308103 | 1.241613 | 1.315901 | 3.037432 | 1.191407 | 1.246288 | 4.683868 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 39.79463 | 1.229402 | .1904187 | .0114501 | 3.013224 | 4.752689 | .0223771 |
| #2 | 39.89836 | 1.247675 | .1888551 | .0117048 | 3.046545 | 4.871305 | .0229049 |
| #3 | 39.85549 | 1.217304 | .1855649 | .0110202 | 2.974845 | 4.797320 | .0209104 |

Sample Name: J3380-10      Acquired: 6/8/2018 16:56:15      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0G61D      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 5.138715 | .1458008 | .2960294 |
| Stddev | .013657  | .0000832 | .0006124 |
| %RSD   | .2657709 | .0570764 | .2068614 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 5.132013 | .1458908 | .2961576 |
| #2 | 5.154428 | .1457849 | .2965675 |
| #3 | 5.129702 | .1457266 | .2953631 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2568.040 | 2684.361 | 69714.75 | 9023.246 | 3622.544 |
| Stddev    | 13.416   | 5.511    | 68.93    | 55.679   | 13.963   |
| %RSD      | .5224341 | .2053041 | .0988688 | .6170602 | .3854392 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2577.792 | 2681.749 | 69739.48 | 9080.398 | 3618.102 |
| #2 | 2573.588 | 2680.642 | 69636.87 | 9020.171 | 3611.343 |
| #3 | 2552.739 | 2690.693 | 69767.90 | 8969.168 | 3638.188 |

Sample Name: J3380-11      Acquired: 6/8/2018 17:00:14      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0G61S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.274866 | .1437381 | 8.046708 | .0758881 | .2348472 | 103.0545 | 5.928492 |
| Stddev | .010437  | .0030986 | .067625  | .0026297 | .0022680 | 4.5243   | .272220  |
| %RSD   | .8186403 | 2.155753 | .8404052 | 3.465256 | .9657501 | 4.390160 | 4.591718 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.279871 | .1423828 | 8.067065 | .0786946 | .2351079 | 108.2787 | 6.242656 |
| #2 | 1.262870 | .1415480 | 7.971242 | .0734808 | .2324601 | 100.4331 | 5.780324 |
| #3 | 1.281857 | .1472835 | 8.101815 | .0754888 | .2369736 | 100.4518 | 5.762496 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1149371 | .3978267 | 42.14487 | .5905822 | 1.392946 | 1.910563 | 209.9827 |
| Stddev | .0041215 | .0031760 | 2.01377  | .0009944 | .011606  | .087921  | 8.7369   |
| %RSD   | 3.585859 | .7983432 | 4.778201 | .1683825 | .8331722 | 4.601843 | 4.160759 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1195663 | .3986587 | 44.46267 | .5894600 | 1.396708 | 2.012085 | 220.0710 |
| #2 | .1135785 | .3943175 | 41.14754 | .5909328 | 1.379926 | 1.859851 | 204.9834 |
| #3 | .1116664 | .4005039 | 40.82440 | .5913539 | 1.402204 | 1.859752 | 204.8936 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 14.99571 | 50.39328 | 1.411161 | .1538781 | 1.847186 | 1.515705 | 8.784366 |
| Stddev | .72936   | 2.07101  | .010778  | .0011059 | .064381  | .067125  | .080276  |
| %RSD   | 4.863794 | 4.109700 | .7637965 | .7186851 | 3.485334 | 4.428639 | .9138542 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 15.83508 | 52.78353 | 1.414885 | .1550286 | 1.812317 | 1.593187 | 8.850841 |
| #2 | 14.63569 | 49.13395 | 1.399014 | .1528230 | 1.921480 | 1.478734 | 8.695181 |
| #3 | 14.51636 | 49.26236 | 1.419583 | .1537826 | 1.807762 | 1.475193 | 8.807075 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 40.27134 | 1.206312 | .1869530 | .0113854 | 2.907100 | 4.839540 | .0216921 |
| Stddev | 1.75246  | .013566  | .0138538 | .0002813 | .017432  | .183148  | .0005686 |
| %RSD   | 4.351641 | 1.124572 | 7.410338 | 2.470868 | .5996484 | 3.784409 | 2.621255 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 42.29489 | 1.217834 | .2024714 | .0113272 | 2.904705 | 5.038287 | .0210356 |
| #2 | 39.25290 | 1.191361 | .1758302 | .0116912 | 2.890989 | 4.802760 | .0220136 |
| #3 | 39.26622 | 1.209742 | .1825574 | .0111377 | 2.925606 | 4.677573 | .0220271 |

Sample Name: J3380-11      Acquired: 6/8/2018 17:00:14      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0G61S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 5.169067 | .1493031 | .2975320 |
| Stddev | .214294  | .0061120 | .0137860 |
| %RSD   | 4.145707 | 4.093671 | 4.633437 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 5.416180 | .1563420 | .3133969 |
| #2 | 5.056616 | .1462264 | .2907313 |
| #3 | 5.034404 | .1453408 | .2884678 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2569.270 | 2690.621 | 69520.83 | 8761.632 | 3657.502 |
| Stddev    | 23.100   | 14.452   | 267.12   | 310.536  | 24.940   |
| %RSD      | .8990728 | .5371322 | .3842311 | 3.544277 | .6818915 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2557.070 | 2686.844 | 69530.36 | 8403.125 | 3647.458 |
| #2 | 2595.912 | 2706.587 | 69783.06 | 8934.764 | 3685.898 |
| #3 | 2554.828 | 2678.433 | 69249.08 | 8947.007 | 3639.150 |

Sample Name: J3380-09LX5      Acquired: 6/8/2018 17:04:08      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0G61L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2673711 | .0024317 | 1.698603 | -.009526 | .0070163 | 20.95433 | .2758538 |
| Stddev | .0163720 | .0008368 | .087575  | .000872  | .0019741 | .03135   | .0011218 |
| %RSD   | 6.123342 | 34.41024 | 5.155716 | 9.158599 | 28.13532 | .1496135 | .4066781 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2862758 | .0031146 | 1.799344 | -.008838 | .0092244 | 20.97538 | .2756802 |
| #2 | .2579534 | .0014983 | 1.640627 | -.009232 | .0054223 | 20.91830 | .2748288 |
| #3 | .2578839 | .0026823 | 1.655839 | -.010507 | .0064021 | 20.96932 | .2770523 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0019991 | .0565363 | 9.040107 | .0302729 | .0235125 | .2896978 | 45.40946 |
| Stddev | .0000588 | .0032904 | .019896  | .0004991 | .0012744 | .0031281 | .24088   |
| %RSD   | 2.939450 | 5.819997 | .2200842 | 1.648762 | 5.419903 | 1.079782 | .5304727 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0020246 | .0603263 | 9.021745 | .0297721 | .0249833 | .2885840 | 45.68042 |
| #2 | .0020408 | .0544092 | 9.037332 | .0307704 | .0228158 | .2932304 | 45.32839 |
| #3 | .0019319 | .0548735 | 9.061245 | .0302762 | .0227383 | .2872790 | 45.21957 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.030221 | 10.68740 | .0250256 | .0106322 | .5712890 | .0847060 | 1.687994 |
| Stddev | .023641  | .05611   | .0014442 | .0002133 | .0269825 | .0008708 | .010954  |
| %RSD   | .7801584 | .5249845 | 5.770858 | 2.006101 | 4.723092 | 1.027984 | .6489141 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 3.021835 | 10.75217 | .0266641 | .0108690 | .5971367 | .0843540 | 1.675376 |
| #2 | 3.011917 | 10.65363 | .0239375 | .0105725 | .5734311 | .0840663 | 1.695059 |
| #3 | 3.056912 | 10.65641 | .0244753 | .0104551 | .5432994 | .0856977 | 1.693548 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 8.481359 | .2421462 | .0381729 | .0027095 | .5561815 | 1.051631 | .0055439 |
| Stddev | .021540  | .0126516 | .0003787 | .0002284 | .0298728 | .048468  | .0010071 |
| %RSD   | .2539658 | 5.224792 | .9920743 | 8.431118 | 5.371053 | 4.608798 | 18.16523 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 8.470189 | .2566919 | .0384858 | .0029008 | .5899154 | 1.107595 | .0061392 |
| #2 | 8.467699 | .2336983 | .0382810 | .0027712 | .5330773 | 1.024105 | .0043812 |
| #3 | 8.506189 | .2360483 | .0377519 | .0024565 | .5455519 | 1.023195 | .0061114 |

Sample Name: J3380-09LX5      Acquired: 6/8/2018 17:04:08      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0G61L      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 1.099197 | .0297853 | .0634257 |
| Stddev | .001876  | .0004611 | .0002795 |
| %RSD   | .1706793 | 1.547911 | .4406050 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 1.101324 | .0295177 | .0635423 |
| #2 | 1.097777 | .0295206 | .0631069 |
| #3 | 1.098489 | .0303177 | .0636280 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2327.425 | 2377.730 | 62752.00 | 7906.183 | 3768.464 |
| Stddev    | 11.080   | 108.052  | 138.22   | 74.642   | 183.052  |
| %RSD      | .4760642 | 4.544314 | .2202673 | .9440939 | 4.857466 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2315.451 | 2253.008 | 62733.06 | 7820.825 | 3557.262 |
| #2 | 2337.315 | 2442.983 | 62898.72 | 7938.525 | 3881.367 |
| #3 | 2329.509 | 2437.199 | 62624.23 | 7959.200 | 3866.762 |

Sample Name: J3363-11      Acquired: 6/8/2018 17:08:09      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GJ2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2307876 | .0029354 | 1.870006 | -.029051 | .0110766 | 95.17151 | 1.238382 |
| Stddev | .0025287 | .0011051 | .005127  | .001407  | .0018670 | .22517   | .003127  |
| %RSD   | 1.095667 | 37.64910 | .2741955 | 4.844960 | 16.85532 | .2365909 | .2525466 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2285011 | .0020659 | 1.875423 | -.030580 | .0116369 | 95.41800 | 1.241977 |
| #2 | .2335034 | .0041790 | 1.865228 | -.027809 | .0089936 | 95.11991 | 1.236288 |
| #3 | .2303583 | .0025611 | 1.869366 | -.028763 | .0125993 | 94.97662 | 1.236881 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0072263 | .0607496 | 55.94583 | .1449539 | .0845079 | .4060746 | 185.1955 |
| Stddev | .0000758 | .0001881 | .16991   | .0059773 | .0003806 | .0018099 | .6773    |
| %RSD   | 1.048648 | .3096246 | .3037095 | 4.123590 | .4503952 | .4457118 | .3657204 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0072573 | .0609477 | 56.11304 | .1417983 | .0845976 | .4053932 | 185.9647 |
| #2 | .0071400 | .0605734 | 55.77334 | .1412157 | .0840904 | .4081263 | 184.6885 |
| #3 | .0072817 | .0607275 | 55.95109 | .1518477 | .0848357 | .4047042 | 184.9334 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.569461 | 40.50580 | .1113654 | -.001261 | 1.630340 | .3781693 | 1.062376 |
| Stddev | .012041  | .08415   | .0011232 | .001167  | .069667  | .0032081 | .031006  |
| %RSD   | .2161954 | .2077558 | 1.008564 | 92.56915 | 4.273153 | .8483298 | 2.918551 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.581452 | 40.55648 | .1125527 | -.000503 | 1.672194 | .3790836 | 1.047496 |
| #2 | 5.557371 | 40.40866 | .1103197 | -.000675 | 1.668908 | .3746033 | 1.041615 |
| #3 | 5.569558 | 40.55226 | .1112239 | -.002604 | 1.549918 | .3808210 | 1.098017 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 32.50127 | .8652572 | .1733017 | .0118276 | 1.774902 | 6.257325 | .0126706 |
| Stddev | .08420   | .0023972 | .0022206 | .0002123 | .008358  | .089986  | .0022024 |
| %RSD   | .2590539 | .2770470 | 1.281319 | 1.795281 | .4709196 | 1.438097 | 17.38235 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 32.58883 | .8670021 | .1756253 | .0120681 | 1.780184 | 6.288133 | .0142706 |
| #2 | 32.42090 | .8662455 | .1730788 | .0117486 | 1.765265 | 6.155981 | .0135827 |
| #3 | 32.49408 | .8625238 | .1712010 | .0116661 | 1.779257 | 6.327861 | .0101587 |

Sample Name: J3363-11      Acquired: 6/8/2018 17:08:09      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GJ2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 3.085960 | .1045004 | .2102152 |
| Stddev | .012514  | .0000721 | .0006126 |
| %RSD   | .4055061 | .0690311 | .2914278 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 3.093661 | .1044609 | .2109224 |
| #2 | 3.092698 | .1044567 | .2098750 |
| #3 | 3.071521 | .1045837 | .2098482 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2422.516 | 2574.011 | 65927.85 | 8677.674 | 3623.281 |
| Stddev    | 68.351   | 10.324   | 1839.24  | 40.511   | 13.573   |
| %RSD      | 2.821486 | .4010911 | 2.789781 | .4668386 | .3745989 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2461.343 | 2562.100 | 67042.02 | 8639.691 | 3607.741 |
| #2 | 2462.610 | 2579.535 | 66936.58 | 8720.311 | 3632.811 |
| #3 | 2343.594 | 2580.398 | 63804.95 | 8673.019 | 3629.291 |

Sample Name: J3363-12      Acquired: 6/8/2018 17:12:10      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GJ3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2698421 | .0044199 | 2.364959 | -.029552 | .0113542 | 97.85397 | 1.293964 |
| Stddev | .0051305 | .0012913 | .013414  | .002413  | .0007314 | 1.12430  | .011360  |
| %RSD   | 1.901309 | 29.21583 | .5671936 | 8.166764 | 6.442089 | 1.148956 | .8779543 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .2756399 | .0044771 | 2.366345 | -.029939 | .0115026 | 97.10655 | 1.287014 |
| #2 | .2679974 | .0031010 | 2.350906 | -.031748 | .0105599 | 97.30841 | 1.287803 |
| #3 | .2658890 | .0056817 | 2.377627 | -.026968 | .0120000 | 99.14696 | 1.307074 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0075714 | .0690840 | 25.48811 | .1466290 | .0881382 | .4232428 | 187.6625 |
| Stddev | .0001149 | .0002655 | .32314   | .0001718 | .0001779 | .0067640 | 3.1975   |
| %RSD   | 1.517137 | .3843305 | 1.267822 | .1171941 | .2018185 | 1.598130 | 1.703850 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0075040 | .0689372 | 25.34142 | .1468142 | .0880564 | .4179086 | 185.0847 |
| #2 | .0075061 | .0689243 | 25.26432 | .1465980 | .0880159 | .4209692 | 186.6621 |
| #3 | .0077040 | .0693905 | 25.85857 | .1464747 | .0883422 | .4308507 | 191.2405 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.784784 | 33.30993 | .1115421 | -.000234 | 1.369598 | .3803724 | 1.423824 |
| Stddev | .063315  | .53589   | .0004535 | .000474  | .199438  | .0077226 | .019702  |
| %RSD   | .9331863 | 1.608800 | .4066016 | 202.4111 | 14.56182 | 2.030272 | 1.383743 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.758332 | 32.89483 | .1118584 | -.000670 | 1.300709 | .3767553 | 1.401639 |
| #2 | 6.738985 | 33.12005 | .1117455 | -.000304 | 1.594349 | .3751221 | 1.439281 |
| #3 | 6.857035 | 33.91490 | .1110225 | .000271  | 1.213737 | .3892396 | 1.430550 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 33.90148 | .8226319 | .1780498 | .0100939 | 1.819618 | 5.760940 | .0139400 |
| Stddev | .39193   | .0024109 | .0019529 | .0000514 | .003708  | .043189  | .0000874 |
| %RSD   | 1.156087 | .2930691 | 1.096853 | .5090748 | .2037741 | .7496928 | .6267286 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 33.57359 | .8209156 | .1769915 | .0101522 | 1.822773 | 5.728853 | .0139586 |
| #2 | 33.79527 | .8253882 | .1768545 | .0100553 | 1.815534 | 5.810046 | .0140165 |
| #3 | 34.33557 | .8215918 | .1803035 | .0100742 | 1.820548 | 5.743921 | .0138448 |

Sample Name: J3363-12      Acquired: 6/8/2018 17:12:10      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GJ3      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 3.106166 | .0948305 | .1852573 |
| Stddev | .047017  | .0014304 | .0016267 |
| %RSD   | 1.513667 | 1.508329 | .8781018 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 3.065555 | .0951052 | .1840516 |
| #2 | 3.095268 | .0932827 | .1846128 |
| #3 | 3.157675 | .0961035 | .1871076 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2514.706 | 2631.597 | 68336.31 | 8827.714 | 3671.831 |
| Stddev    | 3.985    | 15.446   | 99.35    | 102.815  | 24.168   |
| %RSD      | .1584737 | .5869299 | .1453912 | 1.164683 | .6581933 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2518.705 | 2631.672 | 68420.82 | 8891.484 | 3676.432 |
| #2 | 2514.677 | 2647.006 | 68361.25 | 8882.552 | 3693.367 |
| #3 | 2510.735 | 2616.115 | 68226.86 | 8709.105 | 3645.693 |

Sample Name: J3363-15      Acquired: 6/8/2018 17:16:11      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GJ6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1538132 | -.000082 | 1.379284 | -.029260 | .0106718 | 73.91124 | .9100842 |
| Stddev | .0066407 | .002472  | .030936  | .003885  | .0010773 | .29240   | .0017692 |
| %RSD   | 4.317378 | 3007.385 | 2.242905 | 13.27621 | 10.09453 | .3956069 | .1943977 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1464367 | .001703  | 1.361837 | -.026909 | .0095811 | 74.22470 | .9119753 |
| #2 | .1593150 | .000953  | 1.361013 | -.027126 | .0117351 | 73.64586 | .9084695 |
| #3 | .1556880 | -.002903 | 1.415003 | -.033743 | .0106994 | 73.86318 | .9098078 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0063210 | .0488515 | 31.78215 | .1367541 | .0767318 | .4232185 | 192.3081 |
| Stddev | .0002010 | .0012792 | .06440   | .0001340 | .0018419 | .0019848 | 1.0904   |
| %RSD   | 3.179372 | 2.618597 | .2026233 | .0979574 | 2.400451 | .4689695 | .5670203 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0065310 | .0479856 | 31.79384 | .1367739 | .0756887 | .4226491 | 193.3639 |
| #2 | .0061304 | .0482480 | 31.71270 | .1368771 | .0756482 | .4215807 | 191.1860 |
| #3 | .0063016 | .0503208 | 31.83990 | .1366114 | .0788585 | .4254258 | 192.3745 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.522974 | 28.83887 | .0888556 | -.002333 | 1.447393 | .4334148 | .8359422 |
| Stddev | .001602  | .08810   | .0019768 | .000565  | .039319  | .0047372 | .0178279 |
| %RSD   | .0354157 | .3054782 | 2.224693 | 24.19986 | 2.716550 | 1.093005 | 2.132673 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.522844 | 28.93403 | .0881460 | -.002477 | 1.488852 | .4354577 | .8232146 |
| #2 | 4.521441 | 28.76016 | .0873315 | -.002811 | 1.442690 | .4367877 | .8282939 |
| #3 | 4.524637 | 28.82243 | .0910892 | -.001710 | 1.410637 | .4279988 | .8563182 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 25.02769 | .8812136 | .1775596 | .0171711 | 2.490363 | 3.985303 | .0109034 |
| Stddev | .09028   | .0224589 | .0032225 | .0003017 | .068915  | .115383  | .0009491 |
| %RSD   | .3607375 | 2.548631 | 1.814883 | 1.757089 | 2.767274 | 2.895213 | 8.705014 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 25.09376 | .8671620 | .1788570 | .0171675 | 2.447876 | 4.095496 | .0117442 |
| #2 | 24.92482 | .8693631 | .1738906 | .0168712 | 2.453337 | 3.865350 | .0110918 |
| #3 | 25.06451 | .9071157 | .1799311 | .0174746 | 2.569877 | 3.995064 | .0098741 |

Sample Name: J3363-15      Acquired: 6/8/2018 17:16:11      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GJ6      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.826515 | .0803589 | .1767405 |
| Stddev | .015553  | .0006247 | .0001841 |
| %RSD   | .5502363 | .7774312 | .1041430 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.844415 | .0797428 | .1768533 |
| #2 | 2.816308 | .0809919 | .1765281 |
| #3 | 2.818822 | .0803419 | .1768400 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2451.107 | 2541.989 | 66439.36 | 8563.995 | 3700.175 |
| Stddev    | 11.344   | 42.083   | 100.90   | 58.935   | 71.589   |
| %RSD      | .4628063 | 1.655526 | .1518708 | .6881671 | 1.934756 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2450.295 | 2559.587 | 66468.66 | 8496.407 | 3736.401 |
| #2 | 2462.834 | 2572.417 | 66522.36 | 8590.916 | 3746.410 |
| #3 | 2440.190 | 2493.963 | 66327.05 | 8604.661 | 3617.713 |

Sample Name: J3363-16      Acquired: 6/8/2018 17:24:12      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GJ7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1360645 | -.003163 | .8232906 | -.036104 | .0083154 | 77.68049 | 1.038294 |
| Stddev | .0008871 | .002057  | .0010263 | .001426  | .0003502 | .19828   | .001277  |
| %RSD   | .6519640 | 65.03651 | .1246584 | 3.949299 | 4.211596 | .2552476 | .1229615 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1365817 | -.001094 | .8226711 | -.036938 | .0079871 | 77.46499 | 1.039083 |
| #2 | .1350402 | -.005207 | .8227255 | -.034458 | .0086840 | 77.85520 | 1.036821 |
| #3 | .1365716 | -.003188 | .8244753 | -.036916 | .0082752 | 77.72128 | 1.038978 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0066671 | .0280996 | 41.96220 | .1563365 | .0748044 | .3648338 | 229.1566 |
| Stddev | .0000497 | .0001501 | .10018   | .0007759 | .0005002 | .0016503 | 1.5419   |
| %RSD   | .7459648 | .5341017 | .2387405 | .4963354 | .6686750 | .4523475 | .6728447 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0067119 | .0281932 | 41.94752 | .1561102 | .0745796 | .3640075 | 227.9395 |
| #2 | .0066757 | .0281791 | 41.87017 | .1572005 | .0753776 | .3637599 | 230.8905 |
| #3 | .0066136 | .0279265 | 42.06891 | .1556989 | .0744561 | .3667341 | 228.6398 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.737166 | 32.86808 | .0887871 | -.005113 | 1.892740 | .5760333 | .6613056 |
| Stddev | .022430  | .36472   | .0002555 | .000361  | .029475  | .0035809 | .0199308 |
| %RSD   | .4734889 | 1.109662 | .2878150 | 7.068503 | 1.557255 | .6216521 | 3.013852 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 4.730169 | 32.51329 | .0885825 | -.005531 | 1.895574 | .5724481 | .6749937 |
| #2 | 4.719068 | 33.24198 | .0887052 | -.004907 | 1.861950 | .5760418 | .6704838 |
| #3 | 4.762260 | 32.84896 | .0890736 | -.004902 | 1.920695 | .5796100 | .6384393 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 21.01435 | .8698927 | .2040785 | .0315909 | 1.539113 | 3.053509 | .0082570 |
| Stddev | .09213   | .0011461 | .0038635 | .0005235 | .001614  | .036716  | .0004371 |
| %RSD   | .4384106 | .1317518 | 1.893127 | 1.657157 | .1048383 | 1.202432 | 5.293140 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 21.10488 | .8703843 | .2006661 | .0321201 | 1.540970 | 3.085274 | .0087432 |
| #2 | 21.01748 | .8685828 | .2082733 | .0310733 | 1.538051 | 3.013309 | .0078967 |
| #3 | 20.92070 | .8707109 | .2032962 | .0315792 | 1.538318 | 3.061943 | .0081312 |

Sample Name: J3363-16      Acquired: 6/8/2018 17:24:12      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GJ7      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.914142 | .0906568 | .2188596 |
| Stddev | .015695  | .0002810 | .0004043 |
| %RSD   | .5385860 | .3099365 | .1847469 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.896042 | .0903359 | .2189253 |
| #2 | 2.922401 | .0908588 | .2184264 |
| #3 | 2.923984 | .0907756 | .2192270 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2412.200 | 2541.247 | 65898.47 | 8525.400 | 3685.021 |
| Stddev    | 3.746    | 9.264    | 108.55   | 33.433   | 12.938   |
| %RSD      | .1552811 | .3645538 | .1647218 | .3921564 | .3510845 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2407.977 | 2532.598 | 65809.49 | 8553.440 | 3675.354 |
| #2 | 2415.122 | 2540.118 | 65866.50 | 8534.361 | 3679.991 |
| #3 | 2413.502 | 2551.023 | 66019.41 | 8488.400 | 3699.718 |

Sample Name: J3363-17      Acquired: 6/8/2018 17:28:13      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GJ8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1436326 | -.002118 | 1.029941 | -.034392 | .0083573 | 80.42682 | 1.157447 |
| Stddev | .0027087 | .002155  | .014515  | .002038  | .0030600 | .15966   | .003207  |
| %RSD   | 1.885868 | 101.7472 | 1.409320 | 5.925485 | 36.61474 | .1985169 | .2770670 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1408248 | -.000243 | 1.013347 | -.035428 | .0050732 | 80.41479 | 1.158521 |
| #2 | .1462300 | -.001639 | 1.036194 | -.035704 | .0111283 | 80.27351 | 1.153841 |
| #3 | .1438431 | -.004472 | 1.040281 | -.032044 | .0088705 | 80.59216 | 1.159979 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0063903 | .0333758 | 47.53794 | .1500081 | .0767864 | .3212296 | 193.8652 |
| Stddev | .0000592 | .0005419 | .03882   | .0020317 | .0014059 | .0023270 | .6797    |
| %RSD   | .9258905 | 1.623514 | .0816685 | 1.354418 | 1.830882 | .7244117 | .3506275 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0063242 | .0327826 | 47.49417 | .1483529 | .0752056 | .3197456 | 194.2979 |
| #2 | .0064383 | .0335002 | 47.56820 | .1522755 | .0772573 | .3200316 | 193.0817 |
| #3 | .0064085 | .0338446 | 47.55146 | .1493957 | .0778964 | .3239115 | 194.2159 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.195842 | 32.35891 | .0966028 | -.003118 | 1.659152 | .4431441 | .7531637 |
| Stddev | .007901  | .04963   | .0013023 | .000705  | .179507  | .0026900 | .0085909 |
| %RSD   | .1520578 | .1533869 | 1.348054 | 22.60507 | 10.81918 | .6070154 | 1.140643 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.190715 | 32.39503 | .0952401 | -.003569 | 1.841434 | .4447223 | .7629924 |
| #2 | 5.191870 | 32.37939 | .0967335 | -.003481 | 1.482557 | .4446718 | .7470869 |
| #3 | 5.204940 | 32.30232 | .0978347 | -.002306 | 1.653463 | .4400381 | .7494118 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 26.39816 | .8166141 | .1738052 | .0105363 | 1.794336 | 4.529972 | .0104016 |
| Stddev | .12865   | .0039495 | .0022830 | .0002615 | .011655  | .067317  | .0000181 |
| %RSD   | .4873406 | .4836440 | 1.313515 | 2.481761 | .6495460 | 1.486043 | .1735932 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 26.31049 | .8139991 | .1755578 | .0102704 | 1.780944 | 4.602360 | .0103933 |
| #2 | 26.33813 | .8211573 | .1712235 | .0107931 | 1.802187 | 4.518306 | .0104224 |
| #3 | 26.54585 | .8146859 | .1746342 | .0105454 | 1.799877 | 4.469251 | .0103892 |

Sample Name: J3363-17      Acquired: 6/8/2018 17:28:13      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GJ8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.902015 | .0901753 | .2397427 |
| Stddev | .007008  | .0012700 | .0001921 |
| %RSD   | .2414709 | 1.408398 | .0801264 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.897644 | .0894890 | .2399344 |
| #2 | 2.910098 | .0893960 | .2395502 |
| #3 | 2.898304 | .0916408 | .2397436 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2424.091 | 2557.464 | 65950.08 | 8589.723 | 3679.050 |
| Stddev    | 18.887   | 17.911   | 612.37   | 29.740   | 32.601   |
| %RSD      | .7791175 | .7003536 | .9285336 | .3462333 | .8861145 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2438.825 | 2577.733 | 66330.39 | 8571.756 | 3716.101 |
| #2 | 2402.800 | 2550.889 | 65243.67 | 8573.360 | 3666.283 |
| #3 | 2430.650 | 2543.769 | 66276.18 | 8624.052 | 3654.764 |

Sample Name: J3363-18      Acquired: 6/8/2018 17:32:15      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GJ9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1669158 | .0032581 | 1.563054 | -.032566 | .0095216 | 96.54747 | 1.390246 |
| Stddev | .0063349 | .0026374 | .005544  | .003241  | .0019054 | .20453   | .001333  |
| %RSD   | 3.795271 | 80.94870 | .3546648 | 9.952074 | 20.01179 | .2118389 | .0958516 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1646382 | .0019668 | 1.565004 | -.029091 | .0100160 | 96.33547 | 1.391222 |
| #2 | .1740746 | .0015152 | 1.556799 | -.033101 | .0111311 | 96.74359 | 1.388728 |
| #3 | .1620346 | .0062923 | 1.567359 | -.035506 | .0074177 | 96.56336 | 1.390789 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0072794 | .0501668 | 55.30493 | .1564237 | .0897659 | .4036375 | 200.5891 |
| Stddev | .0000509 | .0000957 | .11288   | .0003391 | .0004732 | .0038742 | .9940    |
| %RSD   | .6987032 | .1906838 | .2040962 | .2167639 | .5271762 | .9598212 | .4955361 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0072358 | .0502529 | 55.41367 | .1562318 | .0893082 | .3998838 | 199.4929 |
| #2 | .0073353 | .0501837 | 55.31280 | .1562241 | .0897363 | .4076219 | 201.4318 |
| #3 | .0072671 | .0500638 | 55.18833 | .1568152 | .0902533 | .4034067 | 200.8426 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.351834 | 40.67704 | .1178866 | -.000997 | 1.590843 | .4356646 | 1.092321 |
| Stddev | .023608  | .29847   | .0003194 | .000360  | .048990  | .0035796 | .023157  |
| %RSD   | .3716716 | .7337626 | .2709370 | 36.09876 | 3.079531 | .8216476 | 2.119940 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 6.374969 | 40.58000 | .1178382 | -.000919 | 1.620953 | .4394971 | 1.069997 |
| #2 | 6.352752 | 41.01196 | .1182274 | -.000682 | 1.617261 | .4324076 | 1.116228 |
| #3 | 6.327780 | 40.43916 | .1175941 | -.001389 | 1.534313 | .4350891 | 1.090737 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 32.79019 | 1.138144 | .1973003 | .0094070 | 2.972881 | 4.293556 | .0130219 |
| Stddev | .08676   | .003021  | .0017917 | .0002431 | .009146  | .030033  | .0007889 |
| %RSD   | .2646011 | .2654639 | .9081142 | 2.584658 | .3076561 | .6995006 | 6.058061 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 32.69630 | 1.134897 | .1971544 | .0096321 | 2.962382 | 4.311844 | .0135675 |
| #2 | 32.86741 | 1.138662 | .1991605 | .0091491 | 2.979123 | 4.309930 | .0121174 |
| #3 | 32.80686 | 1.140873 | .1955860 | .0094398 | 2.977137 | 4.258894 | .0133808 |

Sample Name: J3363-18      Acquired: 6/8/2018 17:32:15      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GJ9      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 3.191838 | .1027644 | .2688579 |
| Stddev | .006147  | .0003961 | .0004685 |
| %RSD   | .1925706 | .3854607 | .1742637 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 3.187355 | .1031255 | .2693727 |
| #2 | 3.198845 | .1023407 | .2687446 |
| #3 | 3.189315 | .1028269 | .2684564 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2486.537 | 2608.673 | 67729.83 | 8775.967 | 3654.323 |
| Stddev    | 5.747    | 7.772    | 73.91    | 14.699   | 8.542    |
| %RSD      | .2311411 | .2979227 | .1091195 | .1674919 | .2337505 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2486.605 | 2605.448 | 67809.13 | 8784.845 | 3649.398 |
| #2 | 2480.756 | 2617.538 | 67662.86 | 8759.000 | 3664.186 |
| #3 | 2492.250 | 2603.032 | 67717.50 | 8784.055 | 3649.385 |

Sample Name: J3363-19      Acquired: 6/8/2018 17:36:15      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: MH0GK0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1650682 | -.001881 | 1.401711 | -.035428 | .0102015 | 99.92146 | 1.405964 |
| Stddev | .0020904 | .002850  | .004512  | .001626  | .0010027 | .12797   | .002097  |
| %RSD   | 1.266370 | 151.5317 | .3218590 | 4.590599 | 9.828924 | .1280663 | .1491291 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .1664295 | -.004702 | 1.403211 | -.036238 | .0112740 | 99.89627 | 1.403617 |
| #2 | .1661138 | .000998  | 1.396641 | -.033555 | .0092875 | 100.0602 | 1.407654 |
| #3 | .1626613 | -.001940 | 1.405282 | -.036489 | .0100430 | 99.8080  | 1.406620 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0079523 | .0469687 | 53.90735 | .1750263 | .0925544 | .3703516 | 213.8693 |
| Stddev | .0000884 | .0003335 | .14778   | .0006517 | .0007553 | .0032757 | .8460    |
| %RSD   | 1.111009 | .7100323 | .2741383 | .3723511 | .8160753 | .8844816 | .3955682 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0080114 | .0473500 | 53.77125 | .1747411 | .0929240 | .3698881 | 214.4002 |
| #2 | .0078508 | .0468245 | 53.88625 | .1745658 | .0916855 | .3738344 | 214.3140 |
| #3 | .0079948 | .0467315 | 54.06454 | .1757720 | .0930538 | .3673324 | 212.8937 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.000795 | 42.21068 | .1321079 | -.002142 | 1.677664 | .4789450 | .9628016 |
| Stddev | .010057  | .13634   | .0007991 | .000172  | .086478  | .0019896 | .0150225 |
| %RSD   | .1675962 | .3230003 | .6049061 | 8.029750 | 5.154656 | .4154155 | 1.560288 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.989341 | 42.36705 | .1327697 | -.002016 | 1.720905 | .4802838 | .9764950 |
| #2 | 6.008177 | 42.14832 | .1312201 | -.002073 | 1.578095 | .4766588 | .9467330 |
| #3 | 6.004868 | 42.11667 | .1323338 | -.002338 | 1.733993 | .4798925 | .9651768 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 32.95479 | .9480836 | .1991984 | .0073976 | 2.022645 | 4.016700 | .0127248 |
| Stddev | .05874   | .0036138 | .0017507 | .0001089 | .004830  | .017686  | .0013688 |
| %RSD   | .1782491 | .3811656 | .8788910 | 1.472486 | .2388187 | .4403233 | 10.75691 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 32.88699 | .9518539 | .2008471 | .0072797 | 2.020705 | 3.996311 | .0128390 |
| #2 | 32.99046 | .9446499 | .1993871 | .0074945 | 2.019085 | 4.027908 | .0140329 |
| #3 | 32.98693 | .9477472 | .1973609 | .0074186 | 2.028143 | 4.025880 | .0113025 |

Sample Name: J3363-19      Acquired: 6/8/2018 17:36:15      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: MH0GK0      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 2.934728 | .1019864 | .2797200 |
| Stddev | .008287  | .0005229 | .0006435 |
| %RSD   | .2823692 | .5127325 | .2300561 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 2.943352 | .1018432 | .2798846 |
| #2 | 2.926825 | .1025659 | .2802653 |
| #3 | 2.934008 | .1015499 | .2790102 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2482.778 | 2612.066 | 67526.85 | 8789.689 | 3618.145 |
| Stddev    | 5.890    | 10.670   | 124.80   | 21.362   | 16.071   |
| %RSD      | .2372159 | .4085048 | .1848221 | .2430372 | .4441786 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2480.008 | 2602.540 | 67385.12 | 8803.985 | 3599.772 |
| #2 | 2489.542 | 2623.596 | 67620.31 | 8799.950 | 3629.591 |
| #3 | 2478.784 | 2610.061 | 67575.13 | 8765.133 | 3625.072 |

Sample Name: CCV012      Acquired: 6/8/2018 17:40:15      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCV012      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.989682 | 5.045524 | 24.28685 | 4.863417 | 5.018301 | 388.6716 | 10.06494 |
| Stddev | .029681  | .030587  | .21120   | .022667  | .034500  | 1.1973   | .00873   |
| %RSD   | .5948398 | .6062178 | .8696025 | .4660621 | .6874750 | .3080427 | .0867401 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 5.016956 | 5.051082 | 24.41211 | 4.885861 | 5.049643 | 390.0522 | 10.07482 |
| #2 | 4.958072 | 5.012539 | 24.04301 | 4.840534 | 4.981335 | 387.9184 | 10.05825 |
| #3 | 4.994018 | 5.072951 | 24.40542 | 4.863856 | 5.023924 | 388.0442 | 10.06176 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4781883 | 2.481408 | 394.1998 | 15.15190 | 2.530572 | 14.88167 | 381.7835 |
| Stddev | .0023712 | .020231  | 1.2173   | .28237   | .021704  | .03221   | 2.2710   |
| %RSD   | .4958713 | .8153046 | .3088016 | 1.863603 | .8576533 | .2164409 | .5948290 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .4763835 | 2.497417 | 393.1434 | 15.01359 | 2.538759 | 14.86796 | 384.2413 |
| #2 | .4773074 | 2.458670 | 393.9251 | 15.47676 | 2.505965 | 14.91846 | 381.3461 |
| #3 | .4808738 | 2.488136 | 395.5310 | 14.96534 | 2.546991 | 14.85858 | 379.7630 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 14.54766 | 378.2958 | 2.526216 | 1.243128 | 384.7326 | 2.370595 | 14.58680 |
| Stddev | .01331   | 1.6044   | .019494  | .021297  | .7968    | .023264  | .31993   |
| %RSD   | .0915234 | .4241246 | .7716753 | 1.713197 | .2071056 | .9813692 | 2.193294 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 14.53253 | 380.1337 | 2.537928 | 1.234588 | 385.3033 | 2.391599 | 14.65525 |
| #2 | 14.55760 | 377.1747 | 2.503712 | 1.267370 | 383.8223 | 2.374597 | 14.86697 |
| #3 | 14.55285 | 377.5791 | 2.537007 | 1.227426 | 385.0724 | 2.345590 | 14.23819 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 150.4280 | 5.350885 | 4.776431 | 4.834774 | 5.185356 | 4.688300 | 5.010948 |
| Stddev | .2898    | .040950  | .013118  | .033824  | .042265  | .013188  | .047501  |
| %RSD   | .1926533 | .7652935 | .2746327 | .6996054 | .8150900 | .2812894 | .9479451 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 150.5254 | 5.379061 | 4.774852 | 4.868398 | 5.234118 | 4.689474 | 5.047076 |
| #2 | 150.1020 | 5.303911 | 4.764174 | 4.800752 | 5.162732 | 4.674565 | 4.957143 |
| #3 | 150.6566 | 5.369684 | 4.790266 | 4.835173 | 5.159218 | 4.700862 | 5.028624 |

Sample Name: CCV012      Acquired: 6/8/2018 17:40:15      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: CCV012      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | 4.779548 | 4.937677 | 4.863321 |
| Stddev | .022802  | .010644  | .065262  |
| %RSD   | .4770835 | .2155708 | 1.341925 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | 4.805126 | 4.947801 | 4.822666 |
| #2 | 4.772170 | 4.938651 | 4.938599 |
| #3 | 4.761348 | 4.926580 | 4.828699 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_2243   | Y_3600   | Y_3710   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 1895.398 | 1946.330 | 53485.55 | 7231.607 | 2946.347 |
| Stddev    | 29.044   | 13.425   | 973.68   | 29.006   | 23.508   |
| %RSD      | 1.532360 | .6897619 | 1.820461 | .4010969 | .7978558 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 1905.476 | 1932.638 | 53840.93 | 7245.477 | 2928.694 |
| #2 | 1862.657 | 1959.471 | 52384.09 | 7251.075 | 2973.031 |
| #3 | 1918.061 | 1946.879 | 54231.62 | 7198.271 | 2937.317 |

Sample Name: CCB012      Acquired: 6/8/2018 17:44:12      Type: Unk  
Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
User: BIN      Custom ID1: CCB012      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0039060 | -.000826 | -.002615 | .0009361 | -.000112 | .0070124 | -.000573 |
| Stddev | .0035467 | .002170  | .001353  | .0017026 | .001143  | .0060815 | .000447  |
| %RSD   | 90.80306 | 262.8734 | 51.73788 | 181.8920 | 1024.973 | 86.72453 | 77.91833 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0046601 | -.001517 | -.003240 | -.000703 | -.000431 | .0090150 | -.000874 |
| #2 | .0000428 | .001606  | -.003542 | .000815  | .001157  | .0118400 | -.000060 |
| #3 | .0070150 | -.002565 | -.001063 | .002696  | -.001061 | .0001822 | -.000786 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0000678 | .0000434 | .0182095 | .0004736 | .0000916 | .0009313 | .0092003 |
| Stddev | .0000517 | .0000372 | .0084602 | .0000585 | .0002454 | .0002275 | .0018356 |
| %RSD   | 76.33307 | 85.73442 | 46.46045 | 12.35882 | 267.7734 | 24.42664 | 19.95112 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0000802 | .0000085 | .0149655 | .0005289 | .0000532 | .0006768 | .0086571 |
| #2 | .0000110 | .0000825 | .0278116 | .0004795 | .0003539 | .0010021 | .0112462 |
| #3 | .0001122 | .0000391 | .0118513 | .0004123 | -.000132 | .0011149 | .0076977 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0003182 | .0002961 | -.000334 | .0001375 | .2154127 | -.003235 | .0079685 |
| Stddev | .0004231 | .0038357 | .000349  | .0004440 | .0677353 | .002997  | .0043736 |
| %RSD   | 132.9560 | 1295.596 | 104.7454 | 323.0258 | 31.44442 | 92.65435 | 54.88710 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0003976 | .0020369 | -.000324 | .0006273 | .2690113 | -.002211 | .0054615 |
| #2 | -.000139 | .0029526 | .000011  | .0000239 | .2379437 | -.000884 | .0054252 |
| #3 | .000696  | -.004101 | -.000688 | -.000239 | .1392833 | -.006610 | .0130187 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0536121 | .0000193 | .0035791 | .0001319 | -.023152 | .0015194 | .0007191 |
| Stddev | .0165208 | .0000701 | .0013842 | .0004002 | .000341  | .0009073 | .0006663 |
| %RSD   | 30.81533 | 363.8619 | 38.67444 | 303.3966 | 1.471058 | 59.71524 | 92.66551 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0470111 | -.000060 | .0042475 | .0004850 | -.022914 | .0007053 | .0014884 |
| #2 | .0724128 | .000073  | .0045021 | .0002135 | -.023542 | .0013553 | .0003296 |
| #3 | .0414125 | .000045  | .0019875 | -.000303 | -.023001 | .0024975 | .0003391 |

Sample Name: CCB012      Acquired: 6/8/2018 17:44:12      Type: Unk  
 Method: ISM02.4 INSTRUMENT P5 WITH 6 POINT ICAL(v554)      Mode: CONC      Corr. Factor: 1.000000  
 User: BIN      Custom ID1: CCB012      Custom ID2:      Custom ID3:  
 Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Li6707   | Sr4077   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0010184 | -.000757 | .0000295 |
| Stddev | .0001277 | .000252  | .0000593 |
| %RSD   | 12.54092 | 33.29180 | 200.8813 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .0011604 | -.000834 | .0000506 |
| #2 | .0009131 | -.000962 | .0000753 |
| #3 | .0009816 | -.000476 | -.000037 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_ 2243  | Y_ 2243  | Y_ 3600  | Y_ 3710  | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2257.199 | 2373.669 | 60803.98 | 7646.083 | 3974.259 |
| Stddev    | 16.885   | 24.577   | 643.43   | 4.221    | 44.512   |
| %RSD      | .7480430 | 1.035408 | 1.058212 | .0552080 | 1.119998 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2239.182 | 2389.117 | 60264.77 | 7643.175 | 3997.920 |
| #2 | 2259.757 | 2386.562 | 60630.94 | 7650.925 | 4001.942 |
| #3 | 2272.659 | 2345.328 | 61516.25 | 7644.150 | 3922.913 |