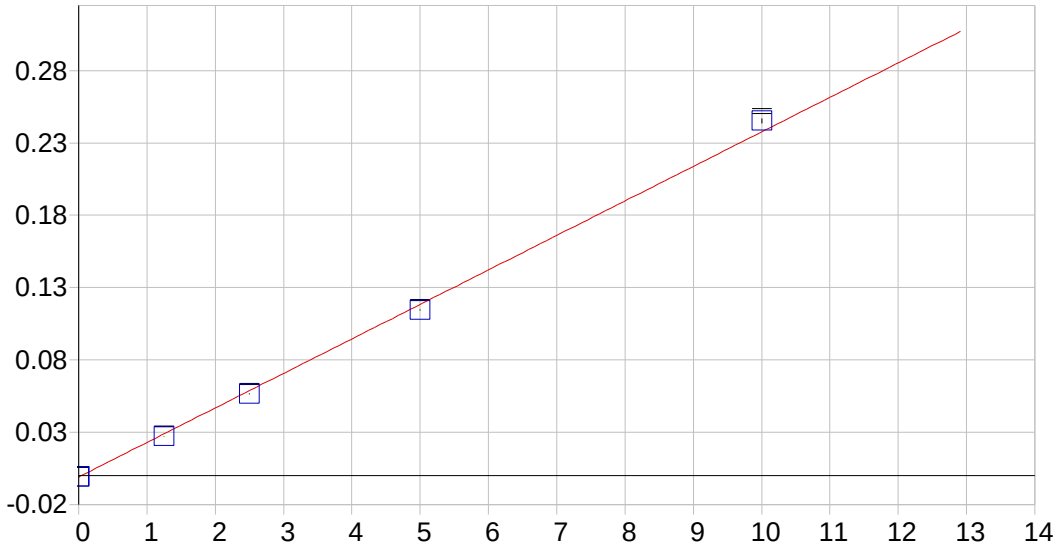
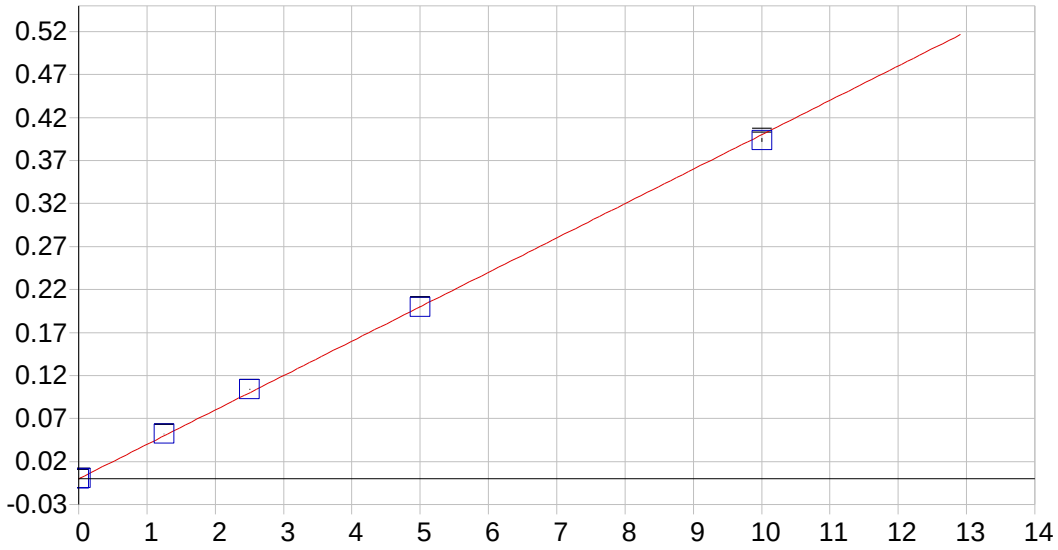



As 189.042 {479}

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 1/5/2017 14:14:57 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | -0.000847 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.023847 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999395 | Status: | OK. |
| Std Error of Est: | 0.000014 | | |
| Predicted MDL: | 0.011067 | | |
| Predicted MQL: | 0.036891 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | .00000 | .000 | .000 | -.00085 | .000 | 1 |
| S1 | .01000 | .00769 | -.002 | -23.1 | -.00066 | .000 | 1 |
| S2 | 1.2500 | 1.1772 | -.073 | -5.83 | .02723 | .000 | 1 |
| S3 | 2.5000 | 2.4124 | -.088 | -3.50 | .05668 | .000 | 1 |
| S4 | 5.0000 | 4.8451 | -.155 | -3.10 | .11470 | .000 | 1 |
| S5 | 10.000 | 10.318 | .318 | 3.18 | .24520 | .002 | 1 |

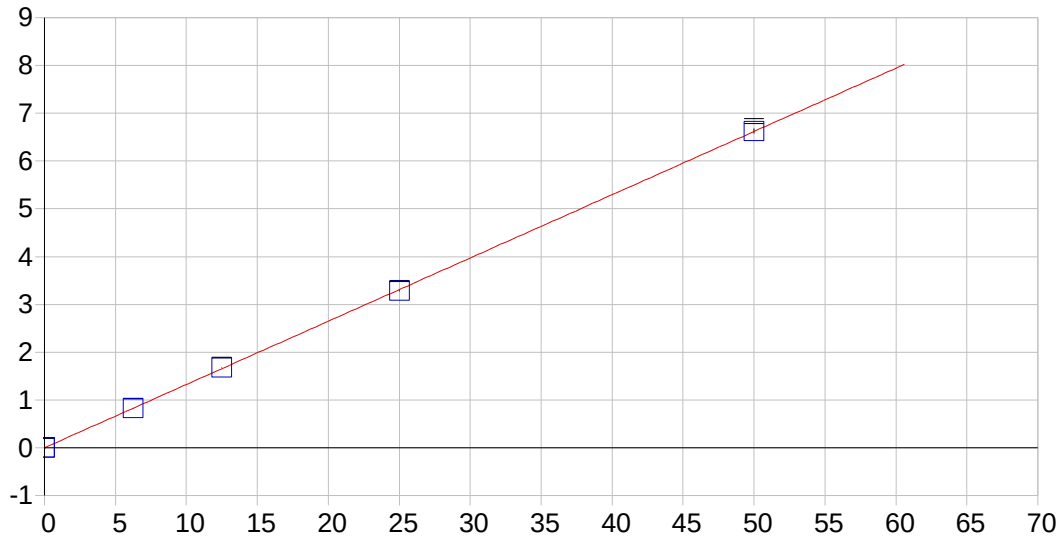



Tl 190.856 {477}

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 1/5/2017 14:14:57 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | -0.000131 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.040017 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999753 | Status: | OK. |
| Std Error of Est: | 0.000024 | | |
| Predicted MDL: | 0.006187 | | |
| Predicted MQL: | 0.020624 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | .00000 | .000 | .000 | -.00013 | .000 | 1 |
| S1 | .02500 | .02239 | -.003 | -10.5 | .00076 | .000 | 1 |
| S2 | 1.2500 | 1.3026 | .053 | 4.21 | .05199 | .000 | 1 |
| S3 | 2.5000 | 2.6055 | .105 | 4.22 | .10413 | .000 | 1 |
| S4 | 5.0000 | 4.9975 | -.003 | -.051 | .19985 | .000 | 1 |
| S5 | 10.000 | 9.8471 | -.153 | -1.53 | .39392 | .002 | 1 |

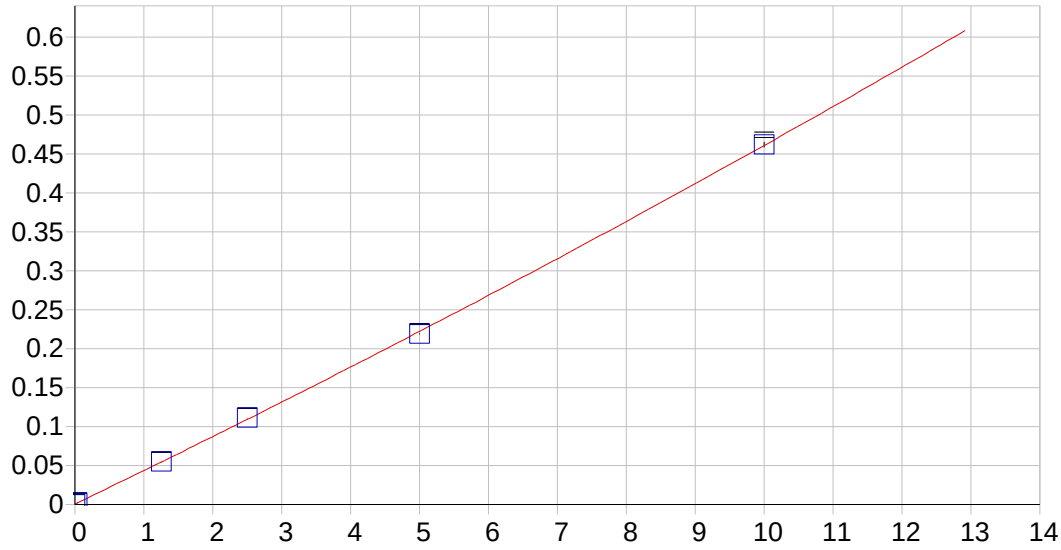



Pb 220.353 {453}

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 1/5/2017 14:14:57 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | -0.000168 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.132378 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999975 | Status: | OK. |
| Std Error of Est: | 0.000035 | | |
| Predicted MDL: | 0.002821 | | |
| Predicted MQL: | 0.009404 | | |

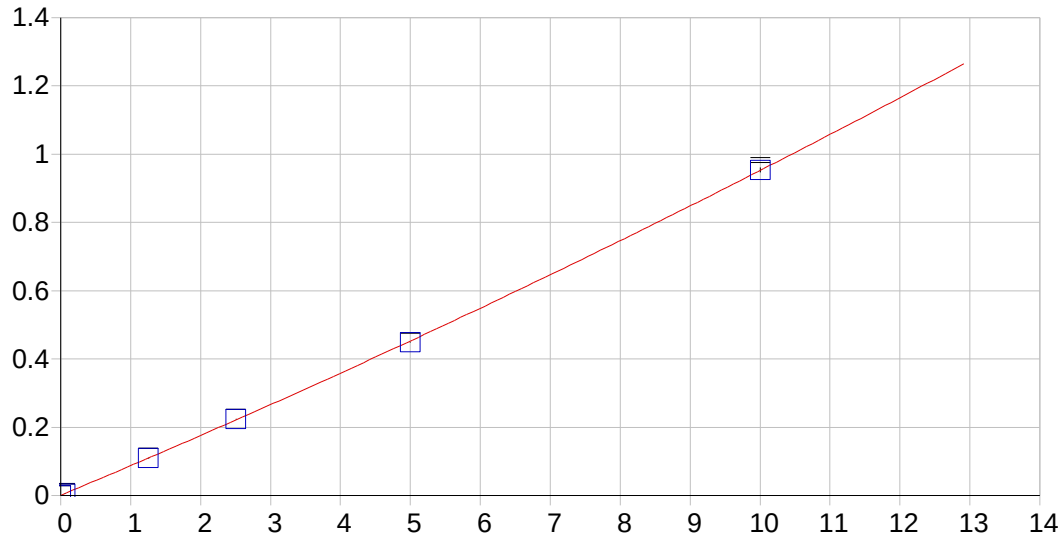
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | .00000 | .000 | .000 | -.00017 | .000 | 1 |
| S1 | .01000 | .01019 | .000 | 1.87 | .00118 | .000 | 1 |
| S2 | 6.2500 | 6.2163 | -.034 | -.540 | .82273 | .004 | 1 |
| S3 | 12.500 | 12.681 | .181 | 1.45 | 1.6785 | .004 | 1 |
| S4 | 25.000 | 24.791 | -.209 | -.835 | 3.2817 | .011 | 1 |
| S5 | 50.000 | 50.061 | .061 | .122 | 6.6268 | .054 | 1 |




Se 196.090 {472}

| | | | | | | |
|---|---|---|---|---|---|---|
| Date of Fit: | 1/5/2017 14:14:57 | Type of Fit: | Curvilinear | Weighting: | 1/Conc | |
| A0 (Offset): | 0.000687 | | Re-Slope: | 1.000000 | | |
| A1 (Gain): | 0.042547 | | Y-int: | 0.000000 | | |
| A2 (Curvature): | 0.000347 | | | | | |
| n (Exponent): | 1.000000 | | | | | |
| Correlation: | 0.999955 | | Status: | Warning | Positive Curvature | |
| Std Error of Est: | 0.000016 | | | | | |
| Predicted MDL: | 0.007640 | | | | | |
| Predicted MQL: | 0.025466 | | | | | |

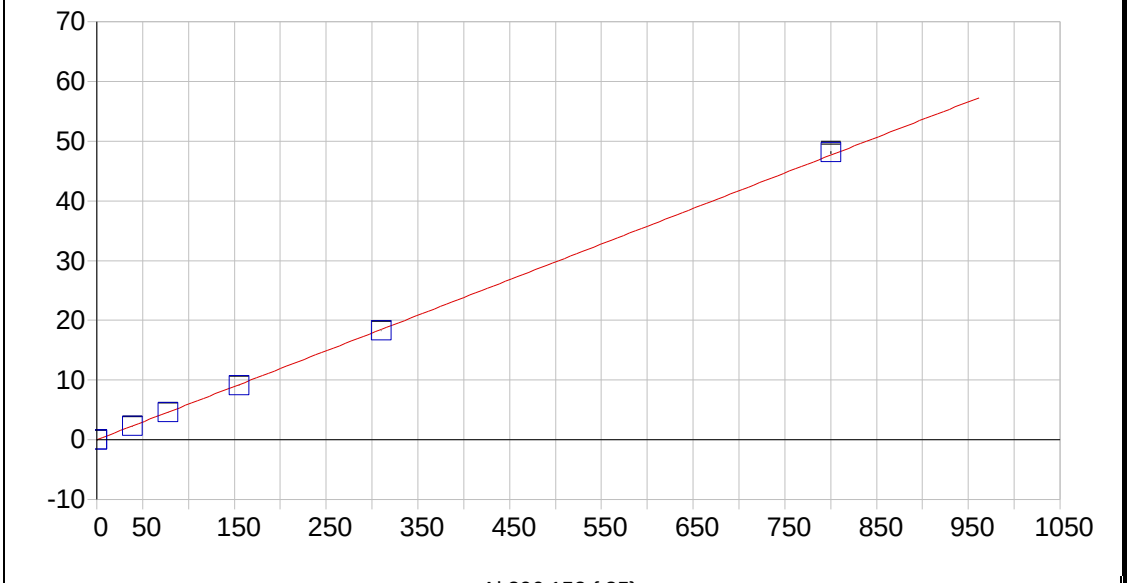
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | .00000 | .000 | .000 | .00069 | .000 | 1 |
| S1 | .03500 | .03529 | .000 | .818 | .00219 | .000 | 1 |
| S2 | 1.2500 | 1.2583 | .008 | .667 | .05478 | .000 | 1 |
| S3 | 2.5000 | 2.5384 | .038 | 1.54 | .11093 | .000 | 1 |
| S4 | 5.0000 | 4.9302 | -.070 | -1.40 | .21889 | .000 | 1 |
| S5 | 10.000 | 10.023 | .023 | .229 | .46201 | .004 | 1 |




Sb 206.833 {463}

| | | | | | | |
|---|---|---|---|---|---|---|
| Date of Fit: | 1/5/2017 14:14:57 | Type of Fit: | Curvilinear | Weighting: | 1/Conc | |
| A0 (Offset): | 0.000707 | | Re-Slope: | 1.000000 | | |
| A1 (Gain): | 0.085662 | | Y-int: | 0.000000 | | |
| A2 (Curvature): | 0.000949 | | | | | |
| n (Exponent): | 1.000000 | | | | | |
| Correlation: | 0.999964 | | Status: | Warning | Positive Curvature | |
| Std Error of Est: | 0.000037 | | | | | |
| Predicted MDL: | 0.003722 | | | | | |
| Predicted MQL: | 0.012407 | | | | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | .00000 | .000 | .000 | .00071 | .000 | 1 |
| S1 | .06000 | .05507 | -.005 | -8.21 | .00543 | .001 | 1 |
| S2 | 1.2500 | 1.2562 | .006 | .496 | .10981 | .000 | 1 |
| S3 | 2.5000 | 2.5334 | .033 | 1.34 | .22382 | .000 | 1 |
| S4 | 5.0000 | 4.9511 | -.049 | -.978 | .44808 | .001 | 1 |
| S5 | 10.000 | 10.014 | .014 | .144 | .95371 | .007 | 1 |

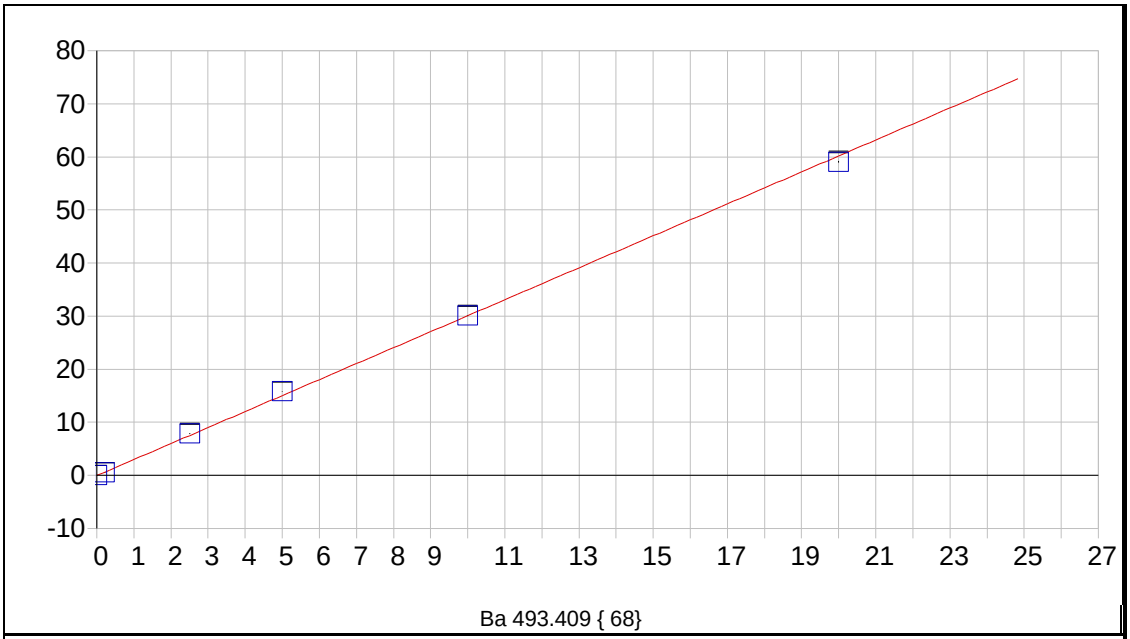



Al 396.152 { 85}

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 1/5/2017 14:14:57 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | -0.000181 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.059562 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999936 | Status: | OK. |
| Std Error of Est: | 0.000420 | | |
| Predicted MDL: | 0.008400 | | |
| Predicted MQL: | 0.028000 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | .00002 | .000 | .000 | -.00018 | .000 | 1 |
| S1 | .20000 | .18491 | -.015 | -7.55 | .01083 | .000 | 1 |
| S2 | 38.750 | 37.989 | -.761 | -1.96 | 2.2625 | .024 | 1 |
| S3 | 77.500 | 76.822 | -.678 | -.875 | 4.5755 | .018 | 1 |
| S4 | 155.00 | 152.29 | -2.71 | -1.75 | 9.0705 | .028 | 1 |
| S5 | 310.00 | 306.62 | -3.38 | -1.09 | 18.263 | .070 | 1 |
| S6 | 800.00 | 807.55 | 7.55 | .943 | 48.099 | .233 | 1 |

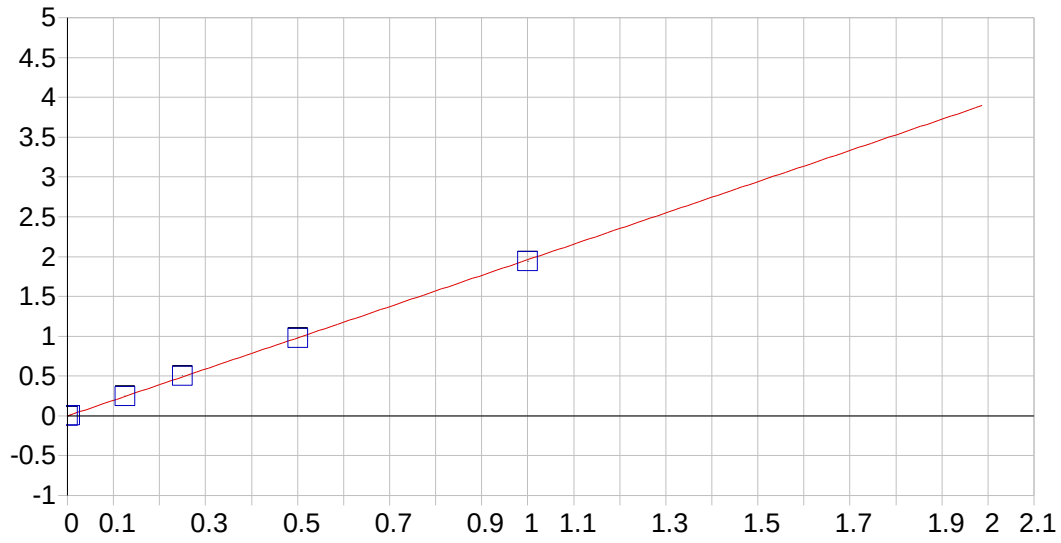



Ba 493.409 { 68}

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 1/5/2017 14:14:57 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | -0.015225 | Re-Slope: | 1.000000 |
| A1 (Gain): | 3.009492 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999665 | Status: | OK. |
| Std Error of Est: | 0.008279 | | |
| Predicted MDL: | 0.000463 | | |
| Predicted MQL: | 0.001543 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | -.00001 | .000 | .000 | -.01527 | .000 | 1 |
| S1 | .20000 | .19753 | -.002 | -1.23 | .57925 | .001 | 1 |
| S2 | 2.5000 | 2.6136 | .114 | 4.54 | 7.8504 | .086 | 1 |
| S3 | 5.0000 | 5.2532 | .253 | 5.06 | 15.794 | .049 | 1 |
| S4 | 10.000 | 10.016 | .016 | .157 | 30.127 | .117 | 1 |
| S5 | 20.000 | 19.620 | -.380 | -1.90 | 59.031 | .149 | 1 |

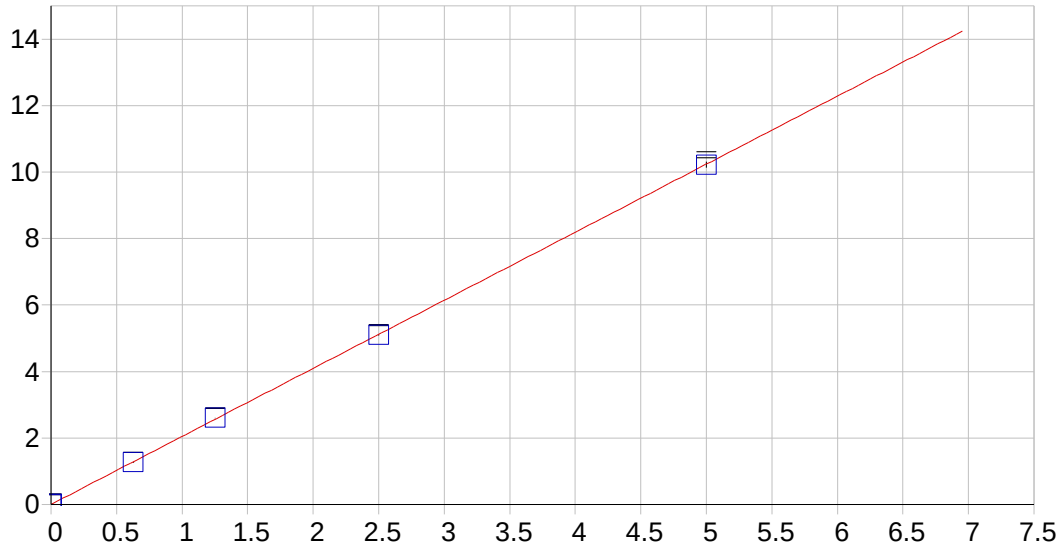



Be 234.861 {144}

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 1/5/2017 14:14:57 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | -0.000625 | Re-Slope: | 1.000000 |
| A1 (Gain): | 1.960733 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999909 | Status: | OK. |
| Std Error of Est: | 0.000099 | | |
| Predicted MDL: | 0.000125 | | |
| Predicted MQL: | 0.000415 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | .00000 | .000 | .000 | -.00063 | .000 | 1 |
| S1 | .00500 | .00490 | .000 | -1.99 | .00898 | .000 | 1 |
| S2 | .12500 | .12735 | .002 | 1.88 | .24908 | .003 | 1 |
| S3 | .25000 | .25722 | .007 | 2.89 | .50371 | .002 | 1 |
| S4 | .50000 | .49995 | .000 | -.009 | .97965 | .004 | 1 |
| S5 | 1.0000 | .99057 | -.009 | -.943 | 1.9416 | .003 | 1 |

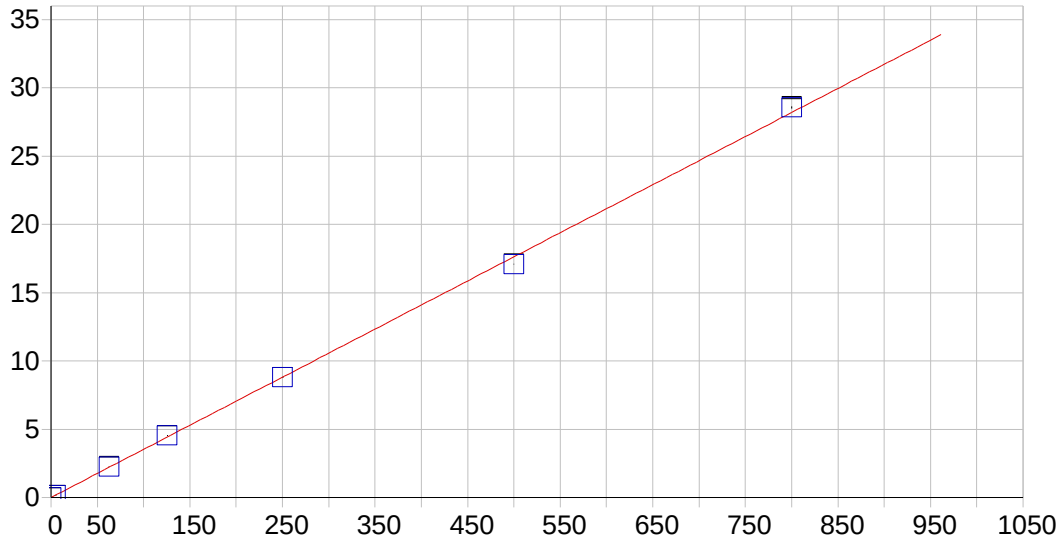



Cd 214.438 {457}

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 1/5/2017 14:14:57 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | 0.000539 | Re-Slope: | 1.000000 |
| A1 (Gain): | 2.047287 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999973 | Status: | OK. |
| Std Error of Est: | 0.000127 | | |
| Predicted MDL: | 0.000149 | | |
| Predicted MQL: | 0.000495 | | |

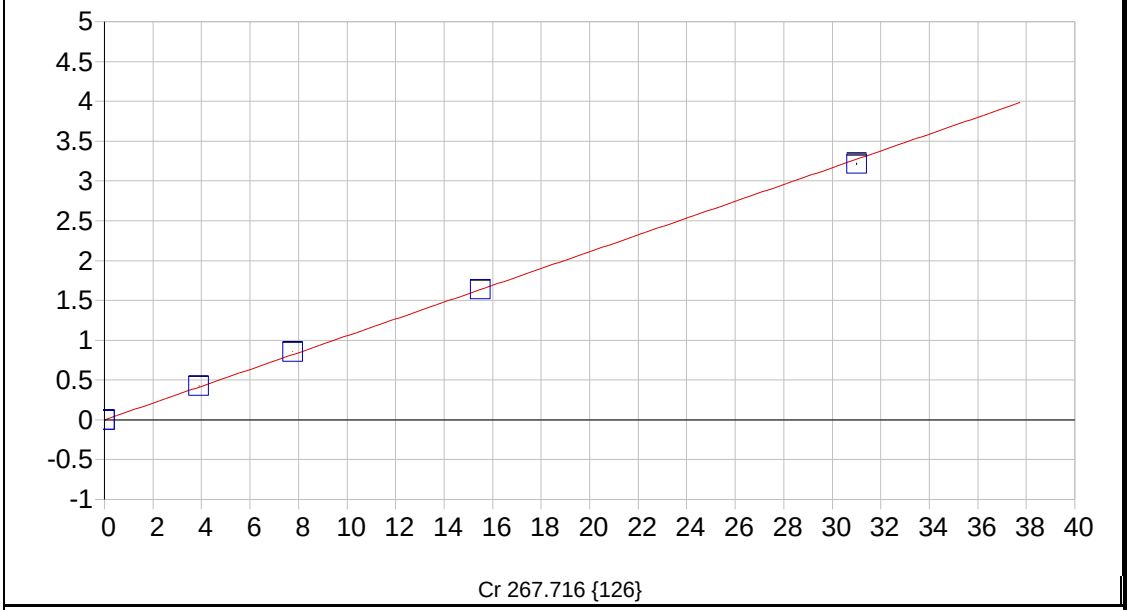
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | .00000 | .000 | .000 | .00054 | .000 | 1 |
| S1 | .00500 | .00443 | -.001 | -11.4 | .00961 | .000 | 1 |
| S2 | .62500 | .62177 | -.003 | -.517 | 1.2735 | .005 | 1 |
| S3 | 1.2500 | 1.2716 | .022 | 1.73 | 2.6039 | .006 | 1 |
| S4 | 2.5000 | 2.4892 | -.011 | -.433 | 5.0966 | .021 | 1 |
| S5 | 5.0000 | 4.9930 | -.007 | -.140 | 10.223 | .083 | 1 |




Ca 373.690 { 90}

| | | | | | | |
|---|---|---|---|---|---|---|
| Date of Fit: | 1/5/2017 14:14:57 | Type of Fit: | Linear | Weighting: | 1/Conc | |
| A0 (Offset): | 0.001490 | | Re-Slope: | 1.000000 | | |
| A1 (Gain): | 0.035245 | | Y-int: | 0.000000 | | |
| A2 (Curvature): | 0.000000 | | | | | |
| n (Exponent): | 1.000000 | | | | | |
| Correlation: | 0.999780 | | Status: | OK. | | |
| Std Error of Est: | 0.002583 | | | | | |
| Predicted MDL: | 0.012127 | | | | | |
| Predicted MQL: | 0.040424 | | | | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | -.00013 | .000 | .000 | .00149 | .000 | 1 |
| S1 | 5.0000 | 4.9312 | -.069 | -1.38 | .17529 | .001 | 1 |
| S2 | 62.500 | 64.349 | 1.85 | 2.96 | 2.2695 | .026 | 1 |
| S3 | 125.00 | 128.68 | 3.68 | 2.94 | 4.5367 | .011 | 1 |
| S4 | 250.00 | 249.63 | -.372 | -.149 | 8.7997 | .012 | 1 |
| S5 | 500.00 | 484.64 | -15.4 | -3.07 | 17.083 | .021 | 1 |
| S6 | 800.00 | 810.28 | 10.3 | 1.28 | 28.560 | .091 | 1 |

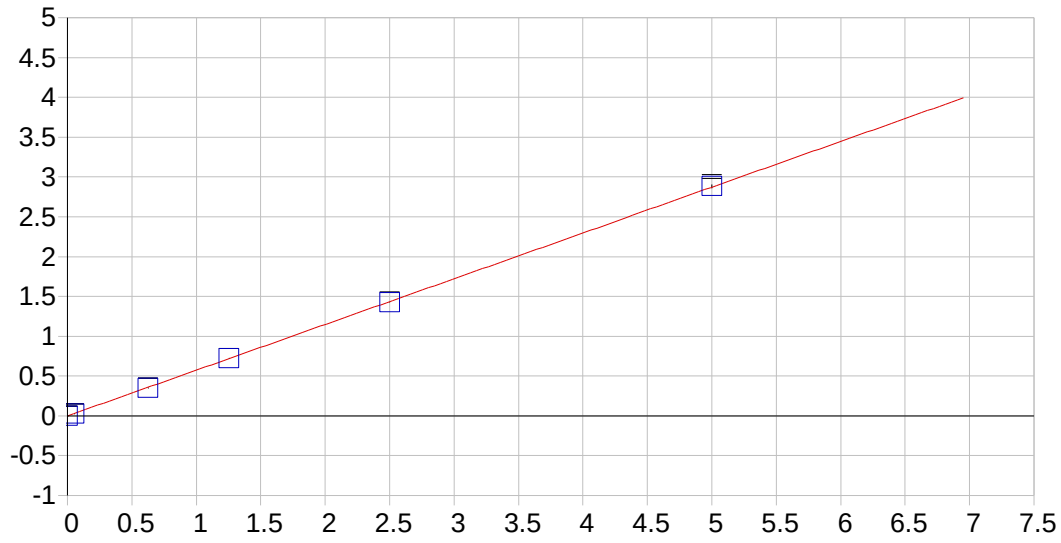



Cr 267.716 {126}

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 1/5/2017 14:14:57 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | -0.000003 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.105550 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999713 | Status: | OK. |
| Std Error of Est: | 0.000075 | | |
| Predicted MDL: | 0.000533 | | |
| Predicted MQL: | 0.001778 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | .00000 | .000 | .000 | .00000 | .000 | 1 |
| S1 | .01000 | .01097 | .001 | 9.70 | .00115 | .000 | 1 |
| S2 | 3.8750 | 4.0520 | .177 | 4.57 | .42769 | .000 | 1 |
| S3 | 7.7500 | 8.1046 | .355 | 4.58 | .85543 | .002 | 1 |
| S4 | 15.500 | 15.494 | -.006 | -.042 | 1.6353 | .002 | 1 |
| S5 | 31.000 | 30.474 | -.526 | -1.70 | 3.2165 | .012 | 1 |

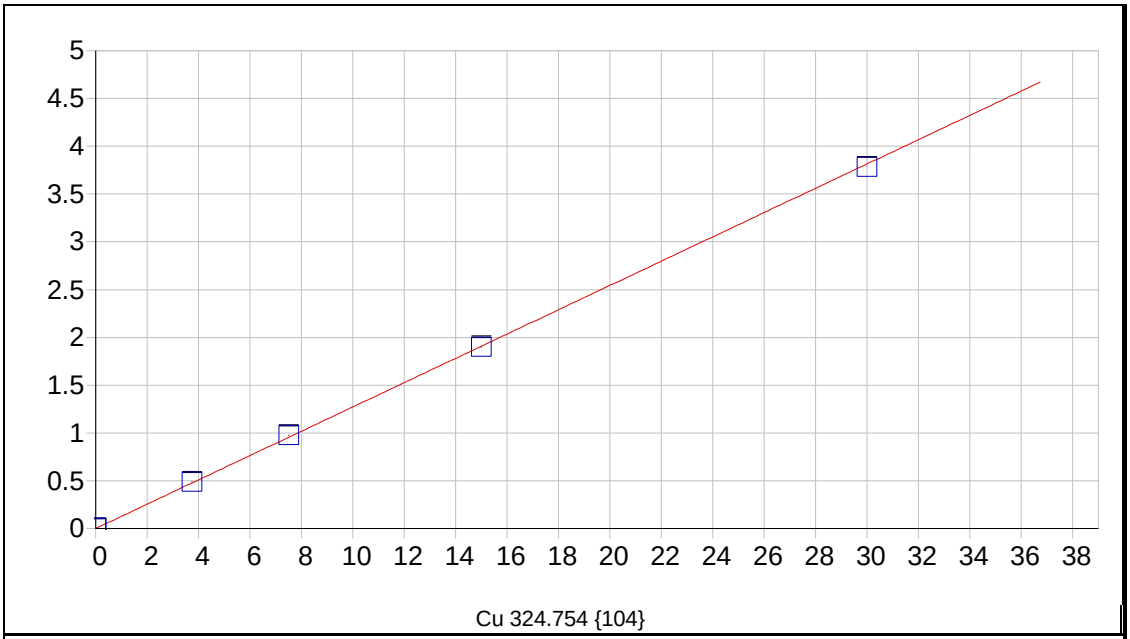



Co 228.616 {448}

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 1/5/2017 14:14:57 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | -0.000602 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.574374 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999939 | Status: | OK. |
| Std Error of Est: | 0.000168 | | |
| Predicted MDL: | 0.000469 | | |
| Predicted MQL: | 0.001564 | | |

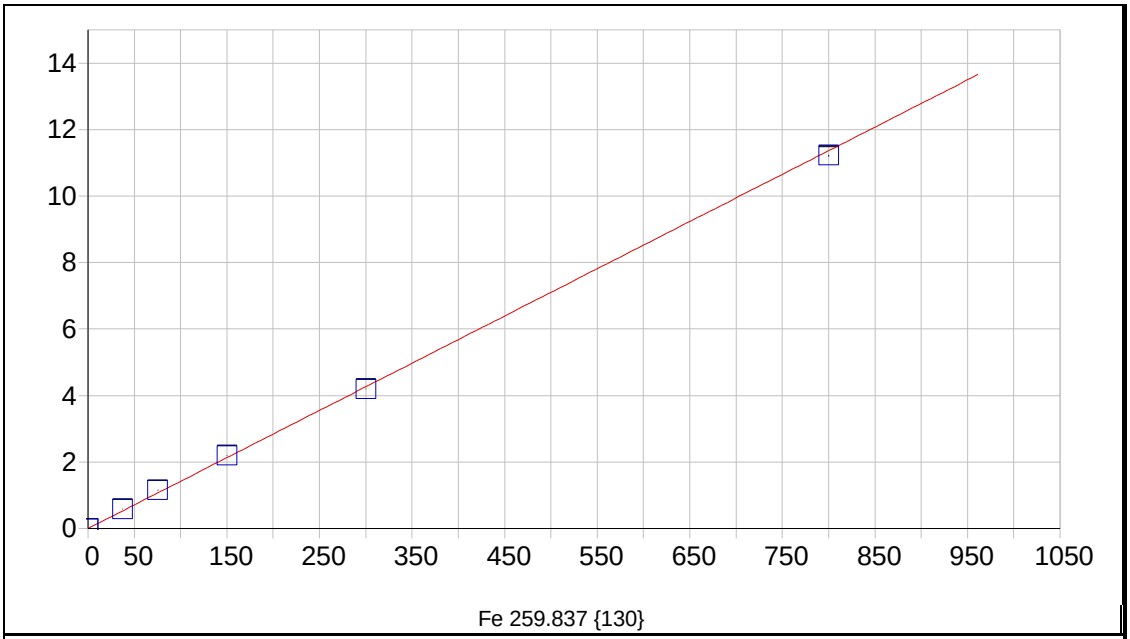
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | .00001 | .000 | .000 | -.00060 | .000 | 1 |
| S1 | .05000 | .04446 | -.006 | -11.1 | .02493 | .000 | 1 |
| S2 | .62500 | .61254 | -.012 | -1.99 | .35122 | .002 | 1 |
| S3 | 1.2500 | 1.2614 | .011 | .910 | .72390 | .000 | 1 |
| S4 | 2.5000 | 2.4853 | -.015 | -.589 | 1.4269 | .005 | 1 |
| S5 | 5.0000 | 5.0214 | .021 | .427 | 2.8835 | .023 | 1 |




Cu 324.754 {104}

| | | | | | | |
|---|---|---|---|---|---|---|
| Date of Fit: | 1/5/2017 14:14:57 | Type of Fit: | Linear | Weighting: | 1/Conc | |
| A0 (Offset): | 0.000334 | | Re-Slope: | 1.000000 | | |
| A1 (Gain): | 0.127138 | | Y-int: | 0.000000 | | |
| A2 (Curvature): | 0.000000 | | | | | |
| n (Exponent): | 1.000000 | | | | | |
| Correlation: | 0.999927 | | Status: | OK. | | |
| Std Error of Est: | 0.000070 | | | | | |
| Predicted MDL: | 0.002367 | | | | | |
| Predicted MQL: | 0.007891 | | | | | |

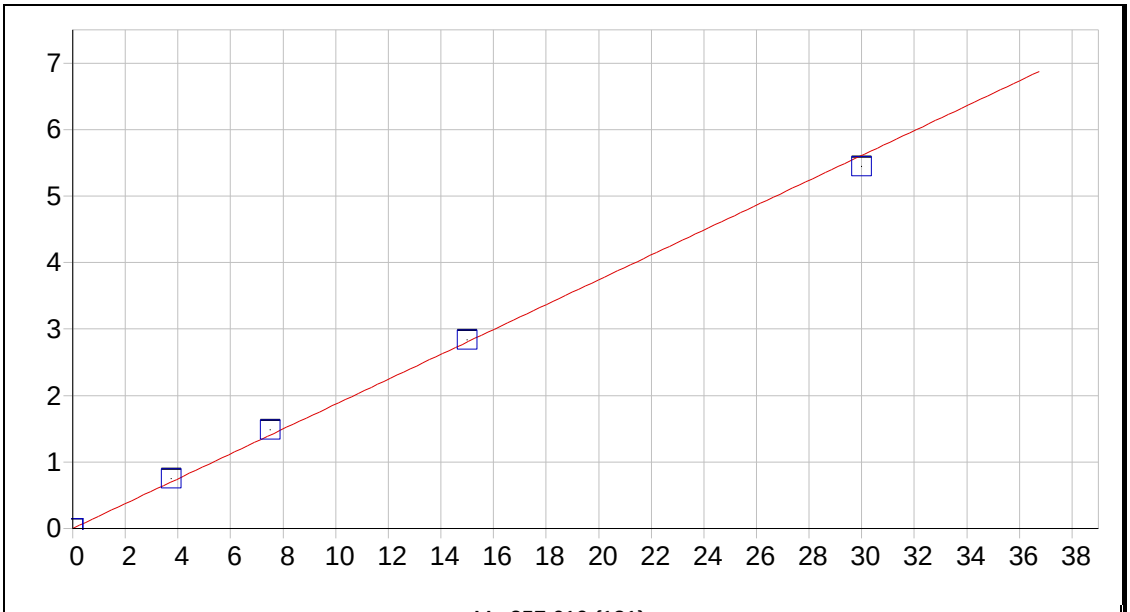
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | .00000 | .000 | .000 | .00033 | .000 | 1 |
| S1 | .02500 | .02482 | .000 | -.722 | .00349 | .000 | 1 |
| S2 | 3.7500 | 3.8377 | .088 | 2.34 | .48825 | .004 | 1 |
| S3 | 7.5000 | 7.6789 | .179 | 2.39 | .97662 | .004 | 1 |
| S4 | 15.000 | 14.964 | -.036 | -.242 | 1.9028 | .007 | 1 |
| S5 | 30.000 | 29.770 | -.230 | -.767 | 3.7852 | .004 | 1 |




Fe 259.837 {130}

| | | | | | | |
|---|---|---|---|---|---|---|
| Date of Fit: | 1/5/2017 14:14:57 | Type of Fit: | Linear | Weighting: | 1/Conc | |
| A0 (Offset): | 0.000232 | | Re-Slope: | 1.000000 | | |
| A1 (Gain): | 0.014205 | | Y-int: | 0.000000 | | |
| A2 (Curvature): | 0.000000 | | | | | |
| n (Exponent): | 1.000000 | | | | | |
| Correlation: | 0.999546 | | Status: | OK. | | |
| Std Error of Est: | 0.000187 | | | | | |
| Predicted MDL: | 0.013043 | | | | | |
| Predicted MQL: | 0.043476 | | | | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | -.00002 | .000 | .000 | .00023 | .000 | 1 |
| S1 | .10000 | .10395 | .004 | 3.95 | .00171 | .000 | 1 |
| S2 | 37.500 | 41.038 | 3.54 | 9.44 | .58316 | .006 | 1 |
| S3 | 75.000 | 81.298 | 6.30 | 8.40 | 1.1550 | .004 | 1 |
| S4 | 150.00 | 155.07 | 5.07 | 3.38 | 2.2029 | .006 | 1 |
| S5 | 300.00 | 295.44 | -4.56 | -1.52 | 4.1969 | .009 | 1 |
| S6 | 800.00 | 789.65 | -10.3 | -1.29 | 11.217 | .023 | 1 |

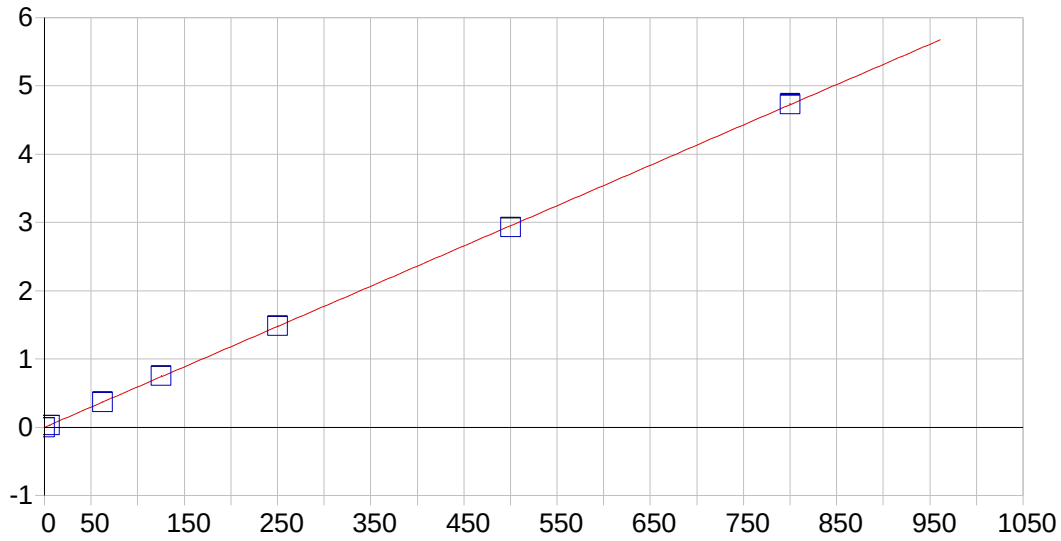



Mn 257.610 {131}

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 1/5/2017 14:14:57 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | 0.000229 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.187016 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999365 | Status: | OK. |
| Std Error of Est: | 0.000237 | | |
| Predicted MDL: | 0.000866 | | |
| Predicted MQL: | 0.002885 | | |

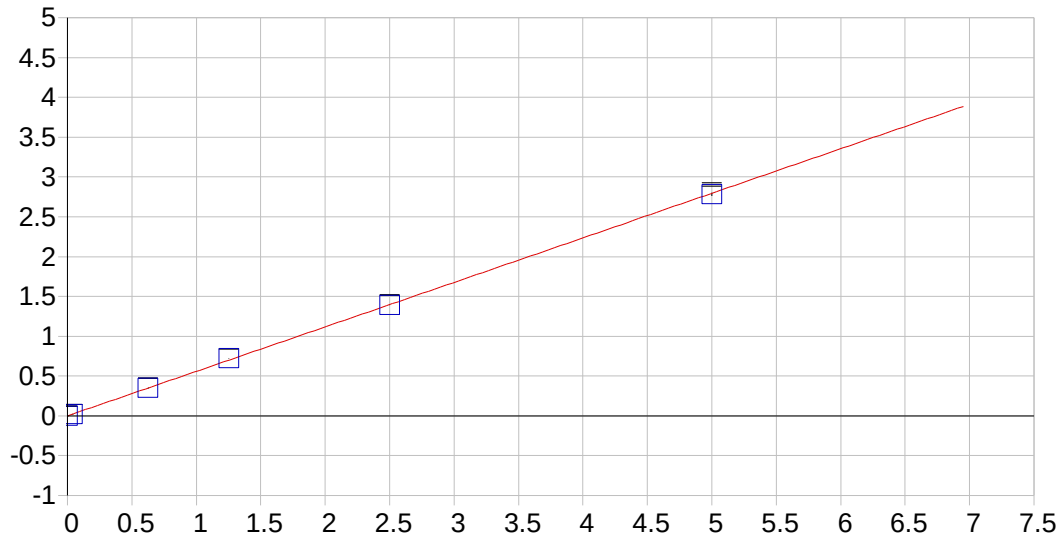
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | .00000 | .000 | .000 | .00023 | .000 | 1 |
| S1 | .01500 | .01441 | -.001 | -3.92 | .00292 | .000 | 1 |
| S2 | 3.7500 | 4.0035 | .253 | 6.76 | .74894 | .007 | 1 |
| S3 | 7.5000 | 7.9472 | .447 | 5.96 | 1.4865 | .006 | 1 |
| S4 | 15.000 | 15.176 | .176 | 1.17 | 2.8384 | .007 | 1 |
| S5 | 30.000 | 29.124 | -.876 | -2.92 | 5.4468 | .008 | 1 |




Mg 279.079 {121}

| | | | | | | |
|---|---|---|---|---|---|---|
| Date of Fit: | 1/5/2017 14:14:57 | Type of Fit: | Linear | Weighting: | 1/Conc | |
| A0 (Offset): | -0.000006 | | Re-Slope: | 1.000000 | | |
| A1 (Gain): | 0.005905 | | Y-int: | 0.000000 | | |
| A2 (Curvature): | 0.000000 | | | | | |
| n (Exponent): | 1.000000 | | | | | |
| Correlation: | 0.999964 | | Status: | OK. | | |
| Std Error of Est: | 0.000175 | | | | | |
| Predicted MDL: | 0.035463 | | | | | |
| Predicted MQL: | 0.118209 | | | | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | .00039 | .000 | .000 | .00000 | .000 | 1 |
| S1 | 5.0000 | 4.5396 | -.460 | -9.21 | .02680 | .000 | 1 |
| S2 | 62.500 | 62.466 | -.034 | -.054 | .36883 | .003 | 1 |
| S3 | 125.00 | 127.08 | 2.08 | 1.67 | .75037 | .002 | 1 |
| S4 | 250.00 | 251.48 | 1.48 | .592 | 1.4849 | .002 | 1 |
| S5 | 500.00 | 495.65 | -4.35 | -.871 | 2.9266 | .002 | 1 |
| S6 | 800.00 | 801.28 | 1.28 | .160 | 4.7312 | .011 | 1 |

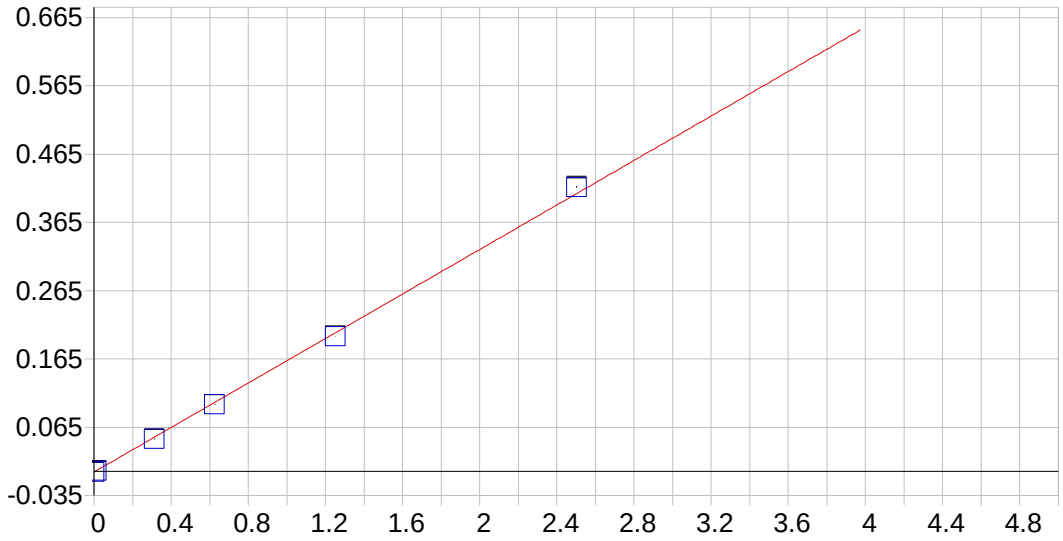



Ni 231.604 {446}

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 1/5/2017 14:14:57 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | -0.000123 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.558909 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999918 | Status: | OK. |
| Std Error of Est: | 0.000170 | | |
| Predicted MDL: | 0.000599 | | |
| Predicted MQL: | 0.001995 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | .00000 | .000 | .000 | -.00012 | .000 | 1 |
| S1 | .04000 | .03670 | -.003 | -8.24 | .02039 | .000 | 1 |
| S2 | .62500 | .62463 | .000 | -.059 | .34899 | .001 | 1 |
| S3 | 1.2500 | 1.2874 | .037 | 2.99 | .71943 | .001 | 1 |
| S4 | 2.5000 | 2.4915 | -.009 | -.342 | 1.3924 | .004 | 1 |
| S5 | 5.0000 | 4.9748 | -.025 | -.504 | 2.7803 | .021 | 1 |

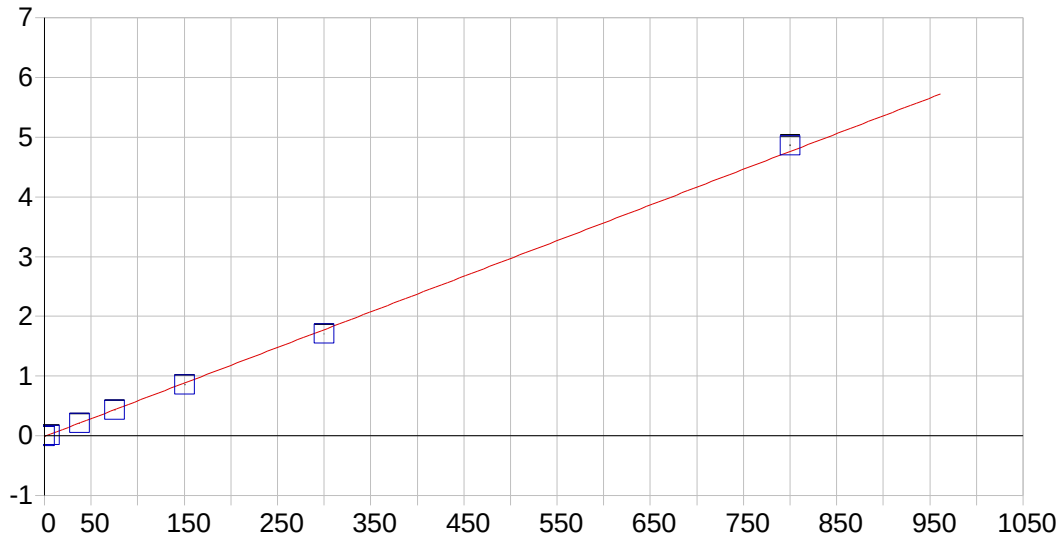



Ag 328.068 {103}

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 1/5/2017 14:14:57 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | -0.000631 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.162945 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999633 | Status: | OK. |
| Std Error of Est: | 0.000037 | | |
| Predicted MDL: | 0.000498 | | |
| Predicted MQL: | 0.001660 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | .00000 | .000 | .000 | -.00063 | .000 | 1 |
| S1 | .01000 | .00941 | -.001 | -5.89 | .00090 | .000 | 1 |
| S2 | .31250 | .29665 | -.016 | -5.07 | .04771 | .000 | 1 |
| S3 | .62500 | .60919 | -.016 | -2.53 | .09863 | .000 | 1 |
| S4 | 1.2500 | 1.2207 | -.029 | -2.35 | .19827 | .000 | 1 |
| S5 | 2.5000 | 2.5616 | .062 | 2.46 | .41677 | .001 | 1 |

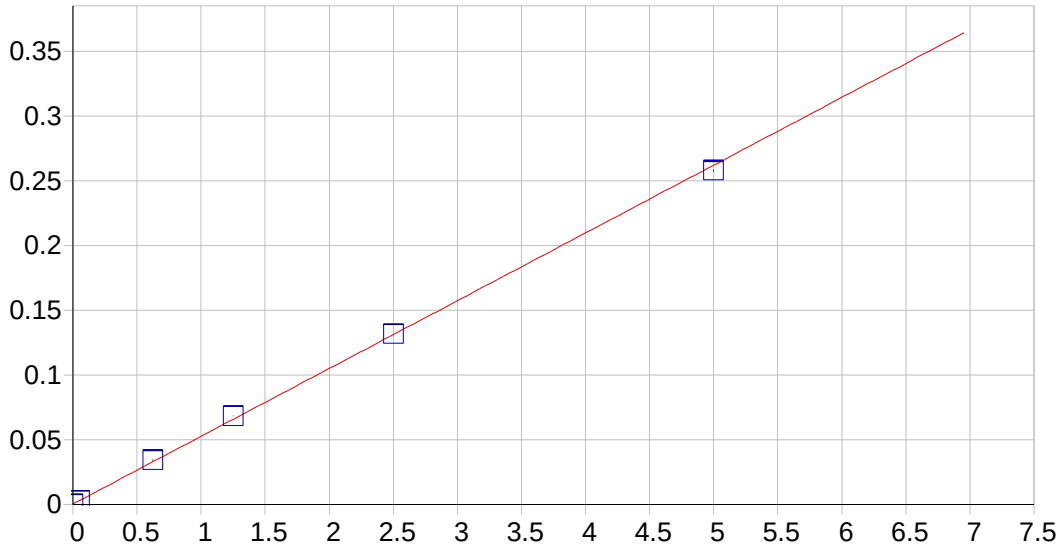



Na 818.326 { 41}

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 1/5/2017 14:14:57 | Type of Fit: | Linear | Weighting: | 1/Conc |

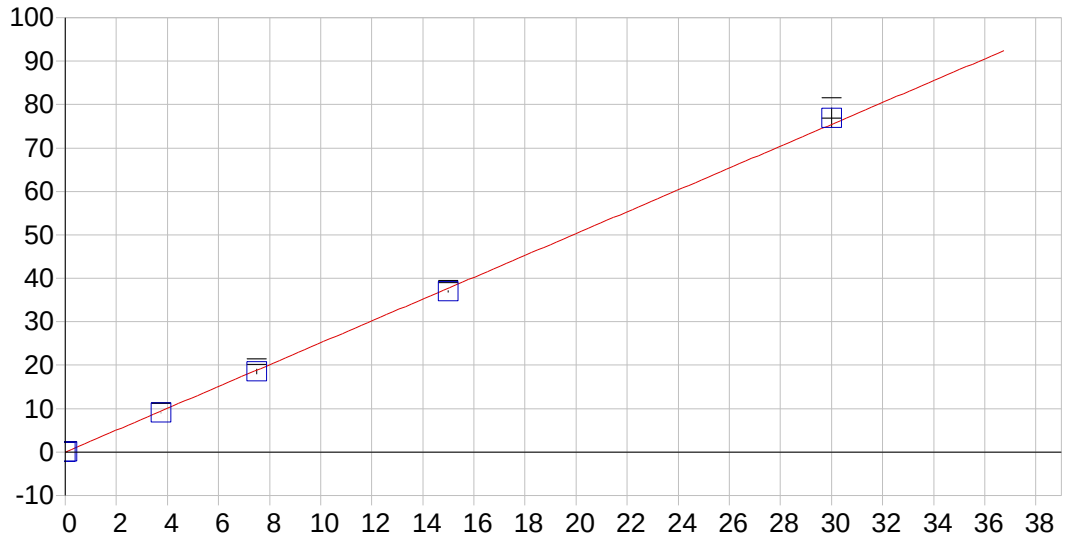
| | | | |
|---|---|---|---|
| A0 (Offset): | -0.012112 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.005963 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999629 | Status: | OK. |
| Std Error of Est: | 0.000503 | | |
| Predicted MDL: | 0.181006 | | |
| Predicted MQL: | 0.603354 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | .00084 | .001 | .000 | -.01211 | .000 | 1 |
| S1 | 5.0000 | 4.5067 | -.493 | -9.87 | .01476 | .002 | 1 |
| S2 | 37.500 | 37.024 | -.476 | -1.27 | .20867 | .002 | 1 |
| S3 | 75.000 | 74.228 | -.772 | -1.03 | .43052 | .002 | 1 |
| S4 | 150.00 | 145.48 | -4.52 | -3.01 | .85542 | .002 | 1 |
| S5 | 300.00 | 288.65 | -11.4 | -3.78 | 1.7091 | .004 | 1 |
| S6 | 800.00 | 817.61 | 17.6 | 2.20 | 4.8634 | .014 | 1 |




| | | | | | | |
|---|---|---|---|---|---|---|
| Date of Fit: | 1/5/2017 14:14:57 | Type of Fit: | Linear | Weighting: | 1/Conc | |
| A0 (Offset): | 0.000336 | | Re-Slope: | 1.000000 | | |
| A1 (Gain): | 0.052328 | | Y-int: | 0.000000 | | |
| A2 (Curvature): | 0.000000 | | | | | |
| n (Exponent): | 1.000000 | | | | | |
| Correlation: | 0.999791 | | Status: | OK. | | |
| Std Error of Est: | 0.000028 | | | | | |
| Predicted MDL: | 0.004697 | | | | | |
| Predicted MQL: | 0.015656 | | | | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | .00000 | .000 | .000 | .00034 | .000 | 1 |
| S1 | .05000 | .04890 | -.001 | -2.21 | .00289 | .000 | 1 |
| S2 | .62500 | .64601 | .021 | 3.36 | .03414 | .000 | 1 |
| S3 | 1.2500 | 1.2991 | .049 | 3.93 | .06832 | .000 | 1 |
| S4 | 2.5000 | 2.5096 | .010 | .383 | .13166 | .000 | 1 |
| S5 | 5.0000 | 4.9214 | -.079 | -1.57 | .25787 | .001 | 1 |

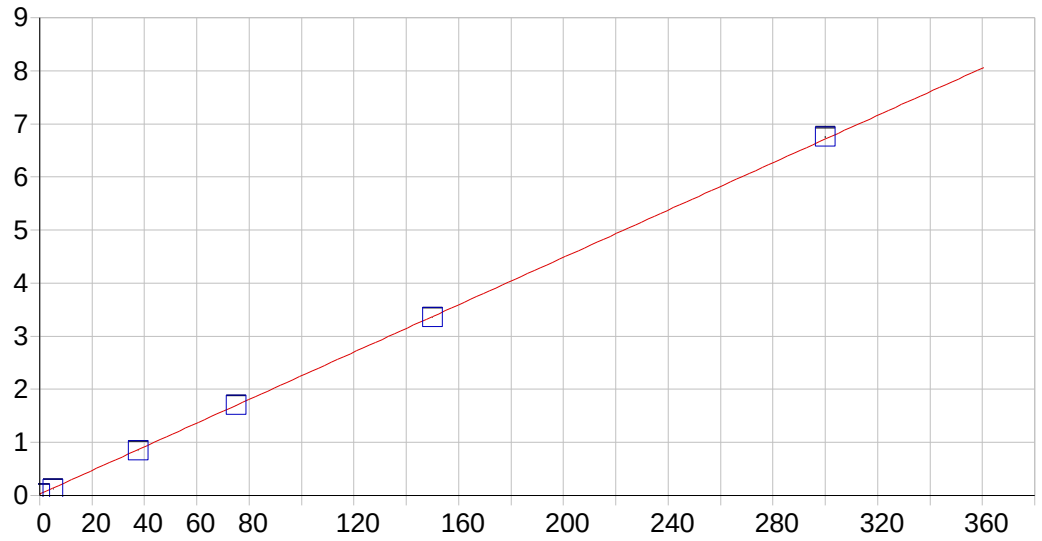



Zn 213.856 {158}

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 1/5/2017 14:14:57 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | 0.008433 | Re-Slope: | 1.000000 |
| A1 (Gain): | 2.514482 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999759 | Status: | OK. |
| Std Error of Est: | 0.003929 | | |
| Predicted MDL: | 0.006564 | | |
| Predicted MQL: | 0.021880 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | .00001 | .000 | .000 | .00847 | .012 | 1 |
| S1 | .06000 | .05018 | -.010 | -16.4 | .13460 | .024 | 1 |
| S2 | 3.7500 | 3.5925 | -.158 | -4.20 | 9.0417 | .070 | 1 |
| S3 | 7.5000 | 7.3767 | -.123 | -1.64 | 18.557 | .598 | 1 |
| S4 | 15.000 | 14.709 | -.291 | -1.94 | 36.994 | .272 | 1 |
| S5 | 30.000 | 30.581 | .581 | 1.94 | 76.905 | 2.34 | 1 |

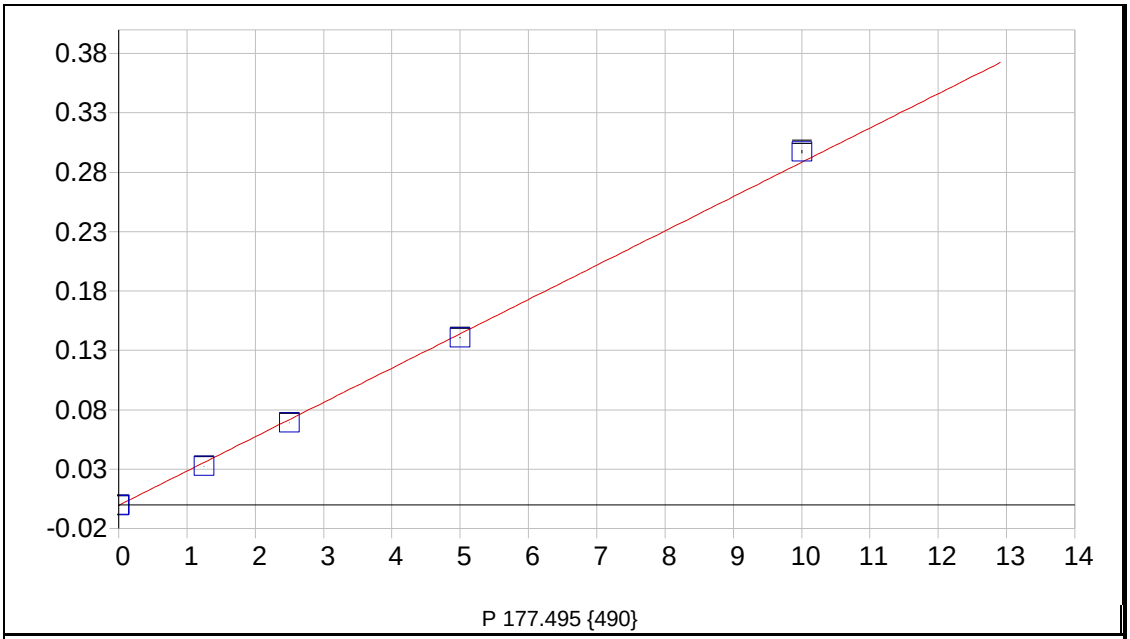



K 769.896 { 44}

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 1/5/2017 14:14:57 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | 0.026429 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.022289 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999916 | Status: | OK. |
| Std Error of Est: | 0.000595 | | |
| Predicted MDL: | 0.045457 | | |
| Predicted MQL: | 0.151524 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | .00064 | .001 | .000 | .02644 | .000 | 1 |
| S1 | 5.0000 | 4.4382 | -.562 | -11.2 | .12535 | .001 | 1 |
| S2 | 37.500 | 36.715 | -.785 | -2.09 | .84478 | .008 | 1 |
| S3 | 75.000 | 75.257 | .257 | .342 | 1.7039 | .004 | 1 |
| S4 | 150.00 | 149.27 | -.727 | -.485 | 3.3536 | .009 | 1 |
| S5 | 300.00 | 301.82 | 1.82 | .606 | 6.7538 | .019 | 1 |

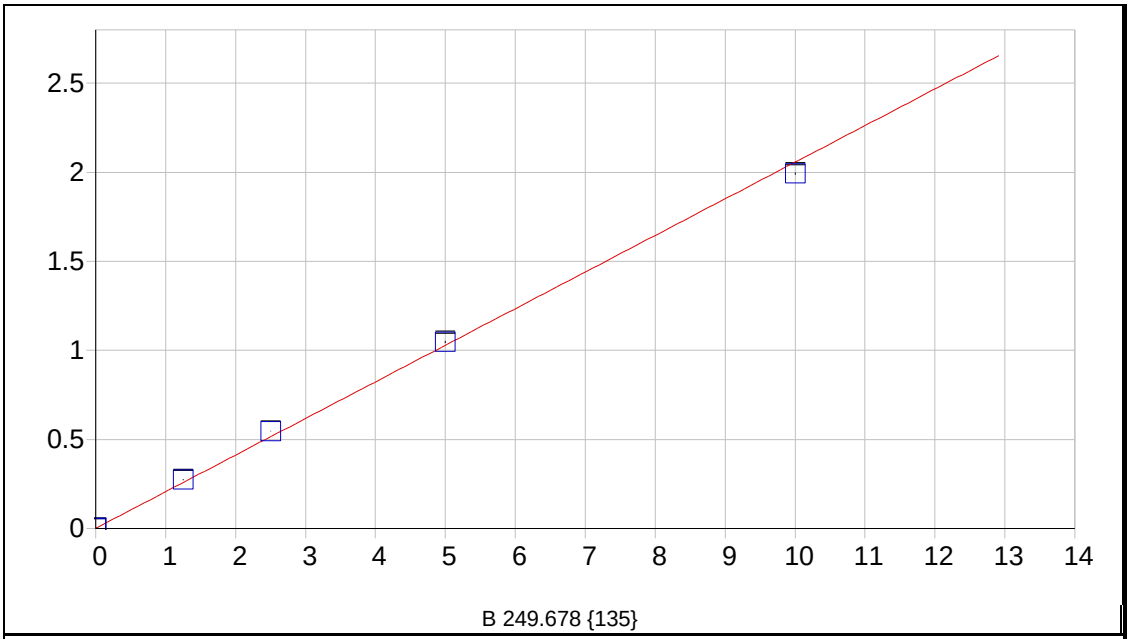



P 177.495 {490}

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 1/5/2017 14:14:57 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | -0.000507 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.028892 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999355 | Status: | OK. |
| Std Error of Est: | 0.000017 | | |
| Predicted MDL: | 0.006815 | | |
| Predicted MQL: | 0.022715 | | |

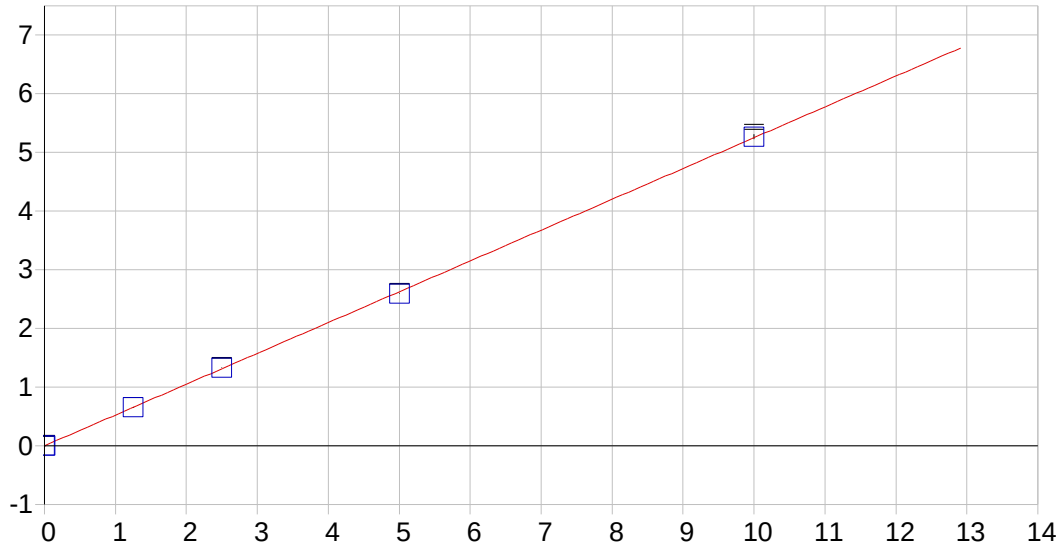
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | .00000 | .000 | .000 | -.00051 | .000 | 1 |
| S1 | .01000 | .00936 | -.001 | -6.40 | -.00024 | .000 | 1 |
| S2 | 1.2500 | 1.1464 | -.104 | -8.29 | .03262 | .000 | 1 |
| S3 | 2.5000 | 2.4067 | -.093 | -3.73 | .06903 | .000 | 1 |
| S4 | 5.0000 | 4.8878 | -.112 | -2.24 | .14071 | .000 | 1 |
| S5 | 10.000 | 10.310 | .310 | 3.10 | .29736 | .001 | 1 |




| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 1/5/2017 14:14:57 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | 0.001046 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.205579 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999327 | Status: | OK. |
| Std Error of Est: | 0.000126 | | |
| Predicted MDL: | 0.001870 | | |
| Predicted MQL: | 0.006232 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | .00000 | .000 | .000 | .00105 | .000 | 1 |
| S1 | .01000 | .01013 | .000 | 1.28 | .00313 | .000 | 1 |
| S2 | 1.2500 | 1.3249 | .075 | 5.99 | .27342 | .003 | 1 |
| S3 | 2.5000 | 2.6535 | .153 | 6.14 | .54654 | .002 | 1 |
| S4 | 5.0000 | 5.0858 | .086 | 1.72 | 1.0466 | .006 | 1 |
| S5 | 10.000 | 9.6857 | -.314 | -3.14 | 1.9922 | .007 | 1 |

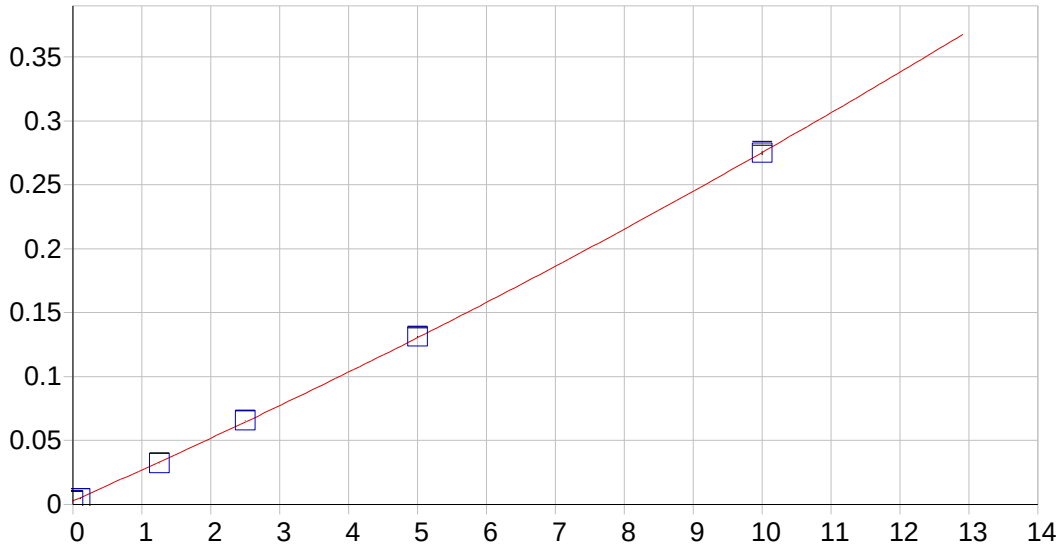



Mo 202.030 {467}

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 1/5/2017 14:14:57 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | 0.000086 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.525229 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999963 | Status: | OK. |
| Std Error of Est: | 0.000076 | | |
| Predicted MDL: | 0.000646 | | |
| Predicted MQL: | 0.002152 | | |

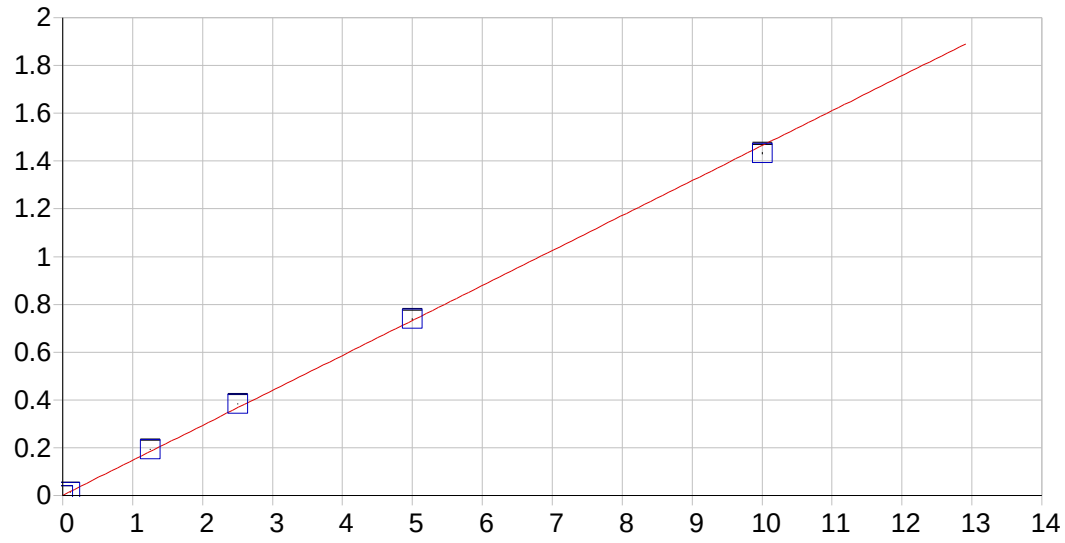
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | .00000 | .000 | .000 | .00009 | .000 | 1 |
| S1 | .01000 | .00964 | .000 | -3.61 | .00515 | .000 | 1 |
| S2 | 1.2500 | 1.2522 | .002 | .172 | .65775 | .001 | 1 |
| S3 | 2.5000 | 2.5325 | .033 | 1.30 | 1.3302 | .003 | 1 |
| S4 | 5.0000 | 4.9345 | -.066 | -1.31 | 2.5918 | .005 | 1 |
| S5 | 10.000 | 10.031 | .031 | .312 | 5.2688 | .045 | 1 |




S 182.034 {485}

| | | | | | | |
|---|---|---|---|---|---|---|
| Date of Fit: | 1/5/2017 14:14:57 | Type of Fit: | Curvilinear | Weighting: | 1/Conc | |
| A0 (Offset): | 0.002859 | | Re-Slope: | 1.000000 | | |
| A1 (Gain): | 0.023794 | | Y-int: | 0.000000 | | |
| A2 (Curvature): | 0.000345 | | | | | |
| n (Exponent): | 1.000000 | | | | | |
| Correlation: | 0.999809 | | Status: | Warning | Positive Curvature | |
| Std Error of Est: | 0.000031 | | | | | |
| Predicted MDL: | 0.009568 | | | | | |
| Predicted MQL: | 0.031895 | | | | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | .00003 | .000 | .000 | .00286 | .000 | 1 |
| S1 | .10000 | .07441 | -.026 | -25.6 | .00463 | .000 | 1 |
| S2 | 1.2500 | 1.2190 | -.031 | -2.48 | .03238 | .000 | 1 |
| S3 | 2.5000 | 2.5498 | .050 | 1.99 | .06577 | .000 | 1 |
| S4 | 5.0000 | 5.0234 | .023 | .468 | .13110 | .000 | 1 |
| S5 | 10.000 | 9.9826 | -.017 | -.174 | .27481 | .001 | 1 |

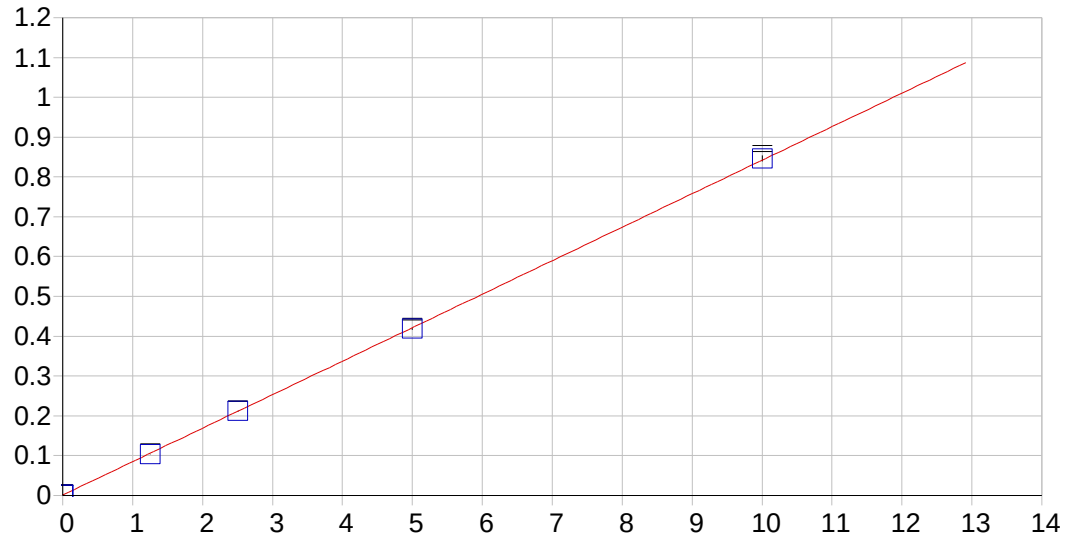



Si 251.611 {134}

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 1/5/2017 14:14:57 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | 0.000863 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.146348 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999626 | Status: | OK. |
| Std Error of Est: | 0.000213 | | |
| Predicted MDL: | 0.001680 | | |
| Predicted MQL: | 0.005601 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | .00000 | .000 | .000 | .00086 | .000 | 1 |
| S1 | .10000 | .09126 | -.009 | -8.74 | .01422 | .000 | 1 |
| S2 | 1.2500 | 1.3134 | .063 | 5.07 | .19307 | .002 | 1 |
| S3 | 2.5000 | 2.6152 | .115 | 4.61 | .38359 | .002 | 1 |
| S4 | 5.0000 | 5.0418 | .042 | .836 | .73872 | .003 | 1 |
| S5 | 10.000 | 9.7884 | -.212 | -2.12 | 1.4334 | .004 | 1 |

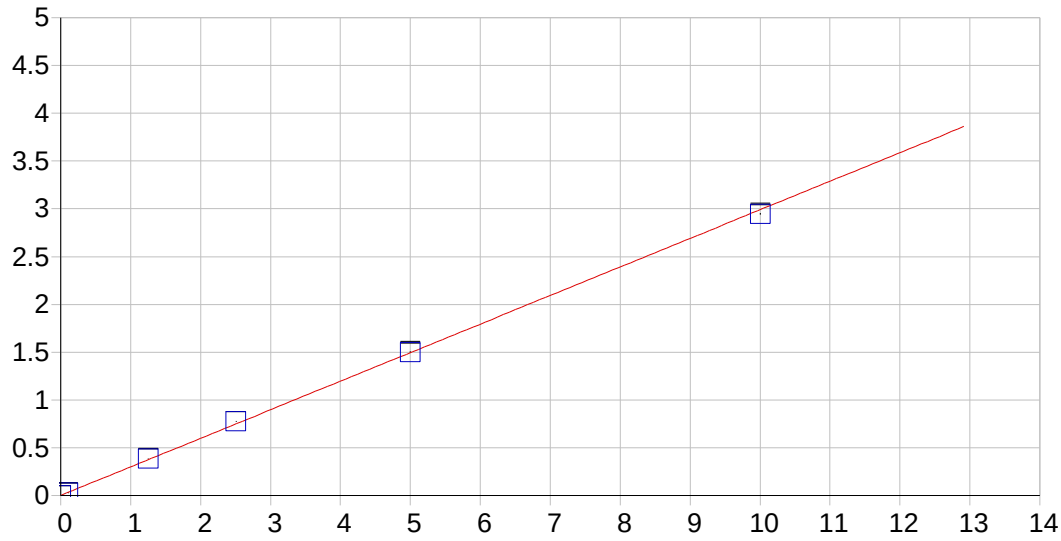



Sn 189.989 {478}

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 1/5/2017 14:14:57 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | 0.000876 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.084121 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999956 | Status: | OK. |
| Std Error of Est: | 0.000011 | | |
| Predicted MDL: | 0.002696 | | |
| Predicted MQL: | 0.008986 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | .00000 | .000 | .000 | .00088 | .000 | 1 |
| S1 | .00700 | .00531 | -.002 | -24.1 | .00132 | .000 | 1 |
| S2 | 1.2500 | 1.2213 | -.029 | -2.30 | .10361 | .001 | 1 |
| S3 | 2.5000 | 2.5140 | .014 | .561 | .21236 | .000 | 1 |
| S4 | 5.0000 | 4.9651 | -.035 | -.698 | .41855 | .002 | 1 |
| S5 | 10.000 | 10.051 | .051 | .512 | .84640 | .007 | 1 |

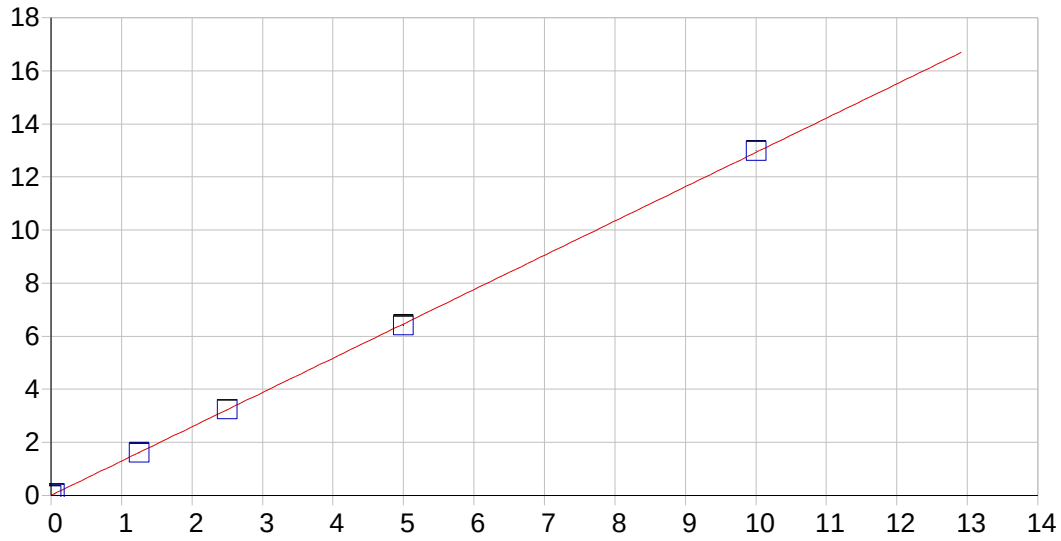



Ti 336.121 {100}

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 1/5/2017 14:14:57 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | 0.000263 | Re-Slope: | 1.000000 |
| A1 (Gain): | 0.298955 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999815 | Status: | OK. |
| Std Error of Est: | 0.000306 | | |
| Predicted MDL: | 0.001105 | | |
| Predicted MQL: | 0.003684 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | .00000 | .000 | .000 | .00026 | .000 | 1 |
| S1 | .10000 | .09720 | -.003 | -2.80 | .02932 | .000 | 1 |
| S2 | 1.2500 | 1.2924 | .042 | 3.40 | .38665 | .004 | 1 |
| S3 | 2.5000 | 2.5897 | .090 | 3.59 | .77447 | .002 | 1 |
| S4 | 5.0000 | 5.0180 | .018 | .361 | 1.5004 | .007 | 1 |
| S5 | 10.000 | 9.8526 | -.147 | -1.47 | 2.9457 | .009 | 1 |

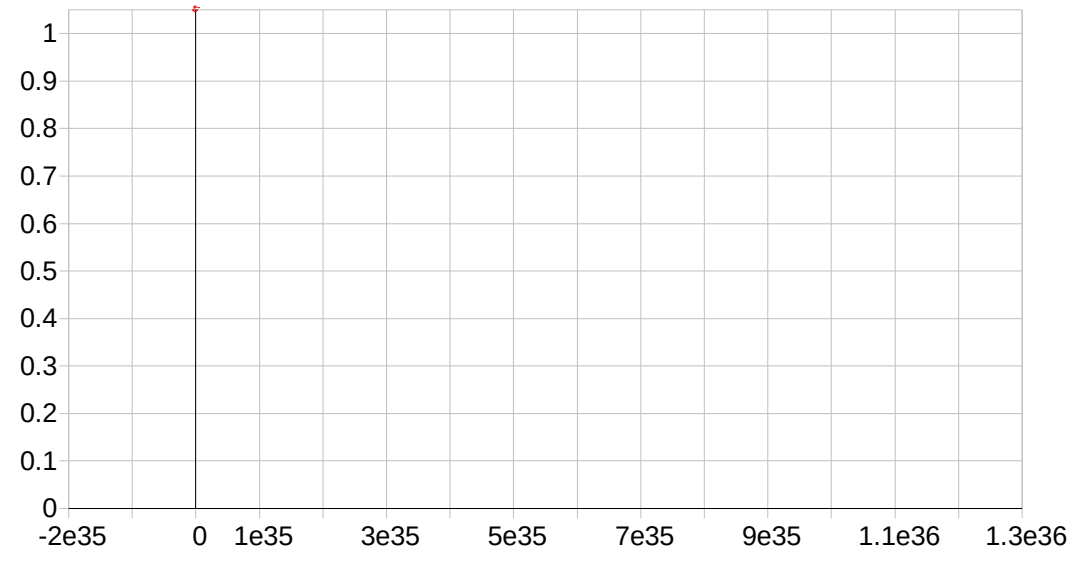



Li 670.784 { 50}

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 1/5/2017 14:14:57 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | 0.005527 | Re-Slope: | 1.000000 |
| A1 (Gain): | 1.291868 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999980 | Status: | OK. |
| Std Error of Est: | 0.000303 | | |
| Predicted MDL: | 0.000902 | | |
| Predicted MQL: | 0.003006 | | |

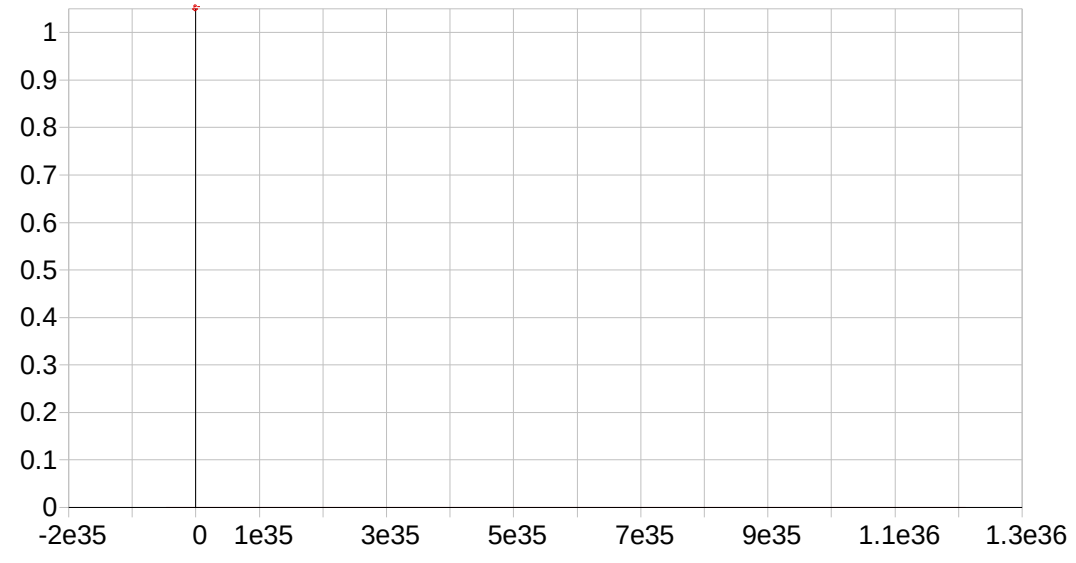
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | .00000 | .000 | .000 | .00553 | .001 | 1 |
| S5 | 10.000 | 10.048 | .048 | .477 | 12.986 | .015 | 1 |
| S4 | 5.0000 | 4.9627 | -.037 | -.747 | 6.4166 | .022 | 1 |
| S3 | 2.5000 | 2.5046 | .005 | .183 | 3.2411 | .011 | 1 |
| S2 | 1.2500 | 1.2371 | -.013 | -1.03 | 1.6037 | .020 | 1 |
| S1 | .05000 | .04793 | -.002 | -4.15 | .06744 | .001 | 1 |




Y 224.306 {150}*

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

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

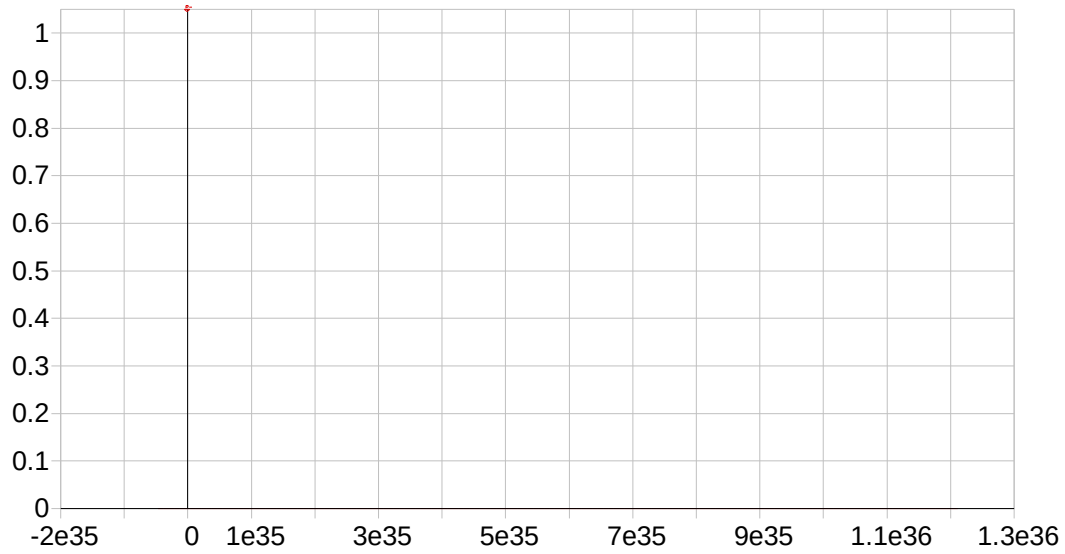



Y 224.306 {450}*

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

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| A2 (Curvature): | | 0.000000 | | | | | |
| n (Exponent): | | 1.000000 | | | | | |
| Correlation: | | 0.000000 | | Status: | Warning | Zero Gain | |
| Std Error of Est: | | 0.000000 | | | | | |
| Predicted MDL: | | n/a | | | | | |
| Predicted MQL: | | n/a | | | | | |

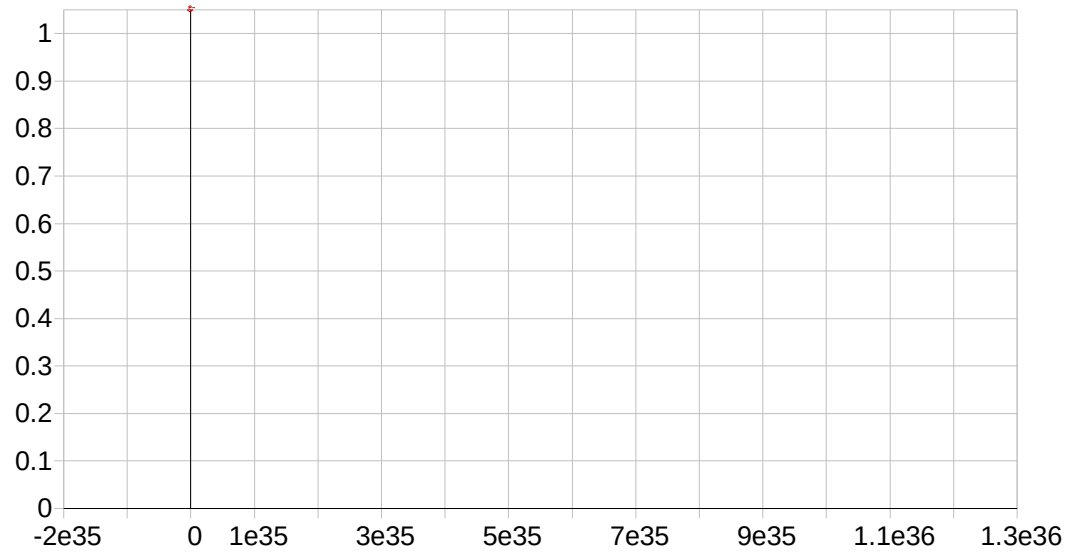
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|




Y 360.073 { 94}*

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

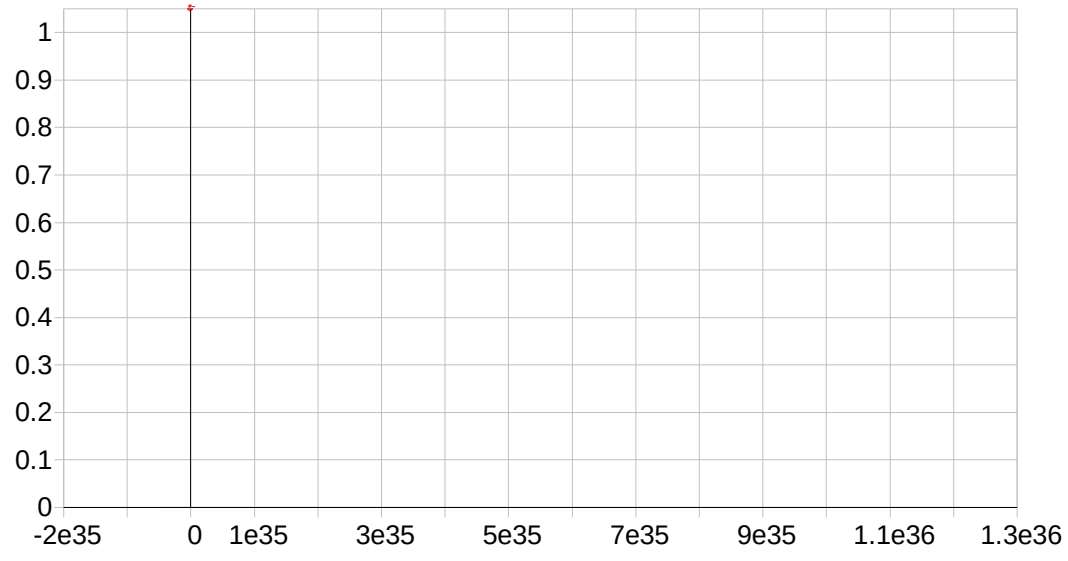
| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|




Y 371.030 { 91}*

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

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

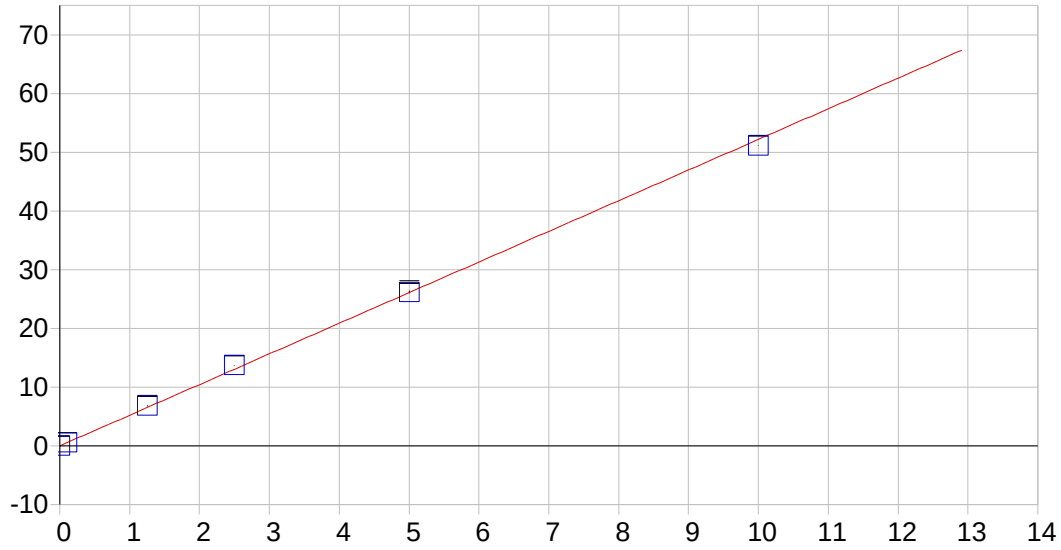



ln 230.606 {446}*

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

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 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 |
|---|---|---|---|---|---|---|---|




Sr 407.771 { 83}

| | | | | | |
|---|---|---|---|---|---|
| Date of Fit: | 1/5/2017 14:14:57 | Type of Fit: | Linear | Weighting: | 1/Conc |

| | | | |
|---|---|---|---|
| A0 (Offset): | -0.000852 | Re-Slope: | 1.000000 |
| A1 (Gain): | 5.218254 | Y-int: | 0.000000 |
| A2 (Curvature): | 0.000000 | | |
| n (Exponent): | 1.000000 | | |
| Correlation: | 0.999651 | Status: | OK. |
| Std Error of Est: | 0.007328 | | |
| Predicted MDL: | 0.000079 | | |
| Predicted MQL: | 0.000265 | | |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|---|---|---|---|---|---|---|---|
| S0 | .00000 | -.00001 | .000 | .000 | -.00089 | .000 | 1 |
| S1 | .10000 | .09886 | -.001 | -1.14 | .51505 | .001 | 1 |
| S2 | 1.2500 | 1.3068 | .057 | 4.54 | 6.8183 | .068 | 1 |
| S3 | 2.5000 | 2.6267 | .127 | 5.07 | 13.706 | .052 | 1 |
| S4 | 5.0000 | 5.0194 | .019 | .388 | 26.192 | .221 | 1 |
| S5 | 10.000 | 9.7982 | -.202 | -2.02 | 51.129 | .055 | 1 |

Sample Name: S0 Acquired: 1/4/2017 15:16:21 Type: Cal
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728) Mode: IR Corr. Factor: 1.000000
User: JASWAL Custom ID1: S00 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
|---|---|---|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -.00085 | -.00013 | -.00017 | .00069 | .00071 | -.00018 | -.01527 | -.00063 |
| Stddev | .00014 | .00022 | .00024 | .00036 | .00006 | .00040 | .00044 | .00030 |
| %RSD | 16.076 | 164.21 | 141.16 | 51.941 | 8.9349 | 220.96 | 2.8744 | 47.206 |
| #1 | -.00097 | -.00029 | -.00015 | .00109 | .00065 | .00009 | -.01547 | -.00091 |
| #2 | -.00070 | .00011 | .00006 | .00042 | .00070 | .00001 | -.01476 | -.00032 |
| #3 | -.00088 | -.00022 | -.00041 | .00055 | .00077 | -.00064 | -.01556 | -.00064 |

| 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 | .00054 | .00149 | .00000 | -.00060 | .00033 | .00023 | .00023 | .00000 |
| Stddev | .00017 | .00021 | .0000 | .00010 | .00018 | .00012 | .00015 | .0002 |
| %RSD | 31.024 | 14.028 | 533.75 | 17.203 | 53.068 | 51.598 | 64.630 | 5825.4 |
| #1 | .00065 | .00134 | .00002 | -.00056 | .00052 | .00036 | .00039 | .00014 |
| #2 | .00062 | .00139 | -.00002 | -.00052 | .00031 | .00022 | .00011 | .00009 |
| #3 | .00035 | .00172 | -.00001 | -.00072 | .00017 | .00012 | .00019 | -.00023 |

| 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 | -.00012 | -.00063 | -.01211 | .00034 | .00847 | .02644 | -.00051 | .00105 |
| Stddev | .00003 | .00006 | .00010 | .00014 | .01204 | .00049 | .00005 | .00023 |
| %RSD | 22.638 | 9.7442 | .80238 | 42.130 | 142.16 | 1.8566 | 9.4207 | 22.355 |
| #1 | -.00015 | -.00065 | -.01219 | .00025 | .00216 | .02645 | -.00046 | .00118 |
| #2 | -.00010 | -.00068 | -.01213 | .00026 | .00090 | .02595 | -.00050 | .00078 |
| #3 | -.00011 | -.00056 | -.01200 | .00050 | .02234 | .02693 | -.00056 | .00118 |

| 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 | .00009 | .00286 | .00086 | .00088 | .00026 | .00553 | -.00089 |
| Stddev | .00022 | .00018 | .00013 | .00009 | .00006 | .00069 | .00008 |
| %RSD | 253.41 | 6.3612 | 15.191 | 10.510 | 23.336 | 12.547 | 9.4370 |
| #1 | .00003 | .00290 | .00072 | .00096 | .00027 | .00620 | -.00098 |
| #2 | .00032 | .00301 | .00089 | .00078 | .00032 | .00481 | -.00083 |
| #3 | -.00010 | .00266 | .00098 | .00089 | .00020 | .00558 | -.00085 |

Sample Name: S0 Acquired: 1/4/2017 15:16:21 Type: Cal
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728) Mode: IR Corr. Factor: 1.000000
User: JASWAL Custom ID1: S00 Custom ID2: Custom ID3:
Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 56.230 | 1785.8 | 59780. | 9577.1 | 2375.7 |
| Stddev | .921 | 2.2 | 88. | 7.0 | 3.6 |
| %RSD | 1.6377 | .12125 | .14676 | .07292 | .15002 |
| | | | | | |
| #1 | 55.588 | 1783.5 | 59701. | 9579.9 | 2376.8 |
| #2 | 55.818 | 1787.8 | 59874. | 9569.2 | 2378.6 |
| #3 | 57.285 | 1786.2 | 59764. | 9582.4 | 2371.7 |

Sample Name: S1 Acquired: 1/4/2017 15:20:26 Type: Cal
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728) Mode: IR Corr. Factor: 1.000000
User: JASWAL Custom ID1: S01 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
|---|---|---|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | -.00066 | .00076 | .00118 | .00219 | .00543 | .01083 | .57925 | .00898 |
| Stddev | .00018 | .00015 | .00019 | .00019 | .00057 | .00046 | .00148 | .00011 |
| %RSD | 26.914 | 20.201 | 15.720 | 8.7428 | 10.561 | 4.2344 | .25521 | 1.2140 |
| #1 | -.00078 | .00077 | .00136 | .00213 | .00480 | .01043 | .58082 | .00906 |
| #2 | -.00046 | .00061 | .00099 | .00203 | .00556 | .01133 | .57789 | .00886 |
| #3 | -.00075 | .00092 | .00119 | .00240 | .00592 | .01074 | .57904 | .00903 |

| 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 | .00961 | .17529 | .00115 | .02493 | .00349 | .00171 | .00292 | .02680 |
| Stddev | .00007 | .00079 | .00006 | .00019 | .00003 | .00008 | .00013 | .00032 |
| %RSD | .75283 | .44802 | 5.0969 | .75793 | .82181 | 4.6700 | 4.3557 | 1.1937 |
| #1 | .00953 | .17603 | .00119 | .02472 | .00351 | .00162 | .00297 | .02689 |
| #2 | .00964 | .17447 | .00109 | .02504 | .00350 | .00173 | .00278 | .02644 |
| #3 | .00966 | .17537 | .00118 | .02505 | .00346 | .00177 | .00303 | .02707 |

| 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 | .02039 | .00090 | .01476 | .00289 | .13460 | .12535 | -.00024 | .00313 |
| Stddev | .00015 | .00008 | .00182 | .00010 | .02441 | .00107 | .00015 | .00018 |
| %RSD | .71838 | 8.4270 | 12.361 | 3.3940 | 18.134 | .85116 | 65.418 | 5.6910 |
| #1 | .02041 | .00085 | .01266 | .00281 | .15813 | .12434 | -.00006 | .00330 |
| #2 | .02053 | .00099 | .01570 | .00287 | .10939 | .12647 | -.00030 | .00314 |
| #3 | .02024 | .00086 | .01593 | .00300 | .13629 | .12525 | -.00035 | .00295 |

| 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 | .00515 | .00463 | .01422 | .00132 | .02932 | .06744 | .51505 |
| Stddev | .00016 | .00004 | .00006 | .00015 | .00007 | .00066 | .00128 |
| %RSD | 3.1137 | .81422 | .45282 | 11.277 | .22690 | .97706 | .24911 |
| #1 | .00533 | .00459 | .01415 | .00116 | .02928 | .06761 | .51648 |
| #2 | .00505 | .00466 | .01428 | .00146 | .02929 | .06671 | .51402 |
| #3 | .00506 | .00465 | .01422 | .00135 | .02940 | .06800 | .51464 |

Sample Name: S1 Acquired: 1/4/2017 15:20:26 Type: Cal
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728) Mode: IR Corr. Factor: 1.000000
User: JASWAL Custom ID1: S01 Custom ID2: Custom ID3:
Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 58.739 | 1868.8 | 61604. | 9919.8 | 2439.1 |
| Stddev | 1.116 | 5.9 | 289. | 62.5 | 6.3 |
| %RSD | 1.9003 | .31492 | .46961 | .63018 | .25936 |
| | | | | | |
| #1 | 58.245 | 1867.4 | 61436. | 9848.1 | 2436.7 |
| #2 | 57.956 | 1875.2 | 61438. | 9948.5 | 2446.2 |
| #3 | 60.018 | 1863.7 | 61938. | 9962.9 | 2434.2 |

Sample Name: S2 Acquired: 1/4/2017 15:24:31 Type: Cal
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728) Mode: IR Corr. Factor: 1.000000
User: JASWAL Custom ID1: S02 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
|---|---|---|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .02723 | .05199 | .82273 | .05478 | .10981 | 2.2625 | 7.8504 | .24908 |
| Stddev | .00010 | .00027 | .00377 | .00047 | .00025 | .0235 | .0859 | .00301 |
| %RSD | .36739 | .51782 | .45882 | .85835 | .22529 | 1.0404 | 1.0941 | 1.2093 |
| #1 | .02726 | .05170 | .82071 | .05426 | .10964 | 2.2893 | 7.9430 | .25248 |
| #2 | .02711 | .05206 | .82040 | .05490 | .10971 | 2.2533 | 7.8349 | .24673 |
| #3 | .02730 | .05222 | .82709 | .05517 | .11010 | 2.2450 | 7.7733 | .24805 |

| 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 | 1.2735 | 2.2695 | .42769 | .35122 | .48825 | .58316 | .74894 | .36883 |
| Stddev | .0046 | .0256 | .00035 | .00184 | .00428 | .00556 | .00662 | .00338 |
| %RSD | .36096 | 1.1256 | .08182 | .52438 | .87621 | .95277 | .88445 | .91620 |
| #1 | 1.2721 | 2.2990 | .42764 | .35151 | .49305 | .58943 | .75638 | .37260 |
| #2 | 1.2698 | 2.2546 | .42806 | .34925 | .48689 | .58121 | .74676 | .36782 |
| #3 | 1.2786 | 2.2550 | .42736 | .35290 | .48482 | .57884 | .74368 | .36607 |

| 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 | .34899 | .04771 | .20867 | .03414 | 9.0417 | .84478 | .03262 | .27342 |
| Stddev | .00086 | .00012 | .00163 | .00041 | .0697 | .00752 | .00024 | .00276 |
| %RSD | .24583 | .24351 | .78115 | 1.2123 | .77135 | .88965 | .73458 | 1.0108 |
| #1 | .34853 | .04764 | .21026 | .03459 | 9.0320 | .85337 | .03247 | .27661 |
| #2 | .34846 | .04784 | .20874 | .03405 | 8.9773 | .83942 | .03248 | .27205 |
| #3 | .34998 | .04764 | .20700 | .03378 | 9.1158 | .84155 | .03289 | .27162 |

| 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 | .65775 | .03238 | .19307 | .10361 | .38665 | 1.6037 | 6.8183 |
| Stddev | .00138 | .00006 | .00151 | .00063 | .00387 | .0196 | .0677 |
| %RSD | .21043 | .17022 | .78042 | .60897 | .99980 | 1.2224 | .99310 |
| #1 | .65658 | .03231 | .19479 | .10406 | .39111 | 1.6248 | 6.8962 |
| #2 | .65739 | .03241 | .19198 | .10289 | .38434 | 1.6001 | 6.7850 |
| #3 | .65928 | .03241 | .19245 | .10389 | .38449 | 1.5861 | 6.7737 |

Sample Name: S2 Acquired: 1/4/2017 15:24:31 Type: Cal
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728) Mode: IR Corr. Factor: 1.000000
User: JASWAL Custom ID1: S02 Custom ID2: Custom ID3:
Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 55.330 | 1737.7 | 57566. | 9614.6 | 2096.6 |
| Stddev | .448 | .2 | 141. | 102.2 | 6.3 |
| %RSD | .80984 | .01406 | .24439 | 1.0634 | .30117 |
| | | | | | |
| #1 | 55.177 | 1737.9 | 57403. | 9498.2 | 2097.8 |
| #2 | 55.835 | 1737.7 | 57644. | 9690.1 | 2102.2 |
| #3 | 54.979 | 1737.4 | 57650. | 9655.4 | 2089.7 |

Sample Name: S3 Acquired: 1/4/2017 15:28:25 Type: Cal
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728) Mode: IR Corr. Factor: 1.000000
User: JASWAL Custom ID1: S03 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
|---|---|---|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .05668 | .10413 | 1.6785 | .11093 | .22382 | 4.5755 | 15.794 | .50371 |
| Stddev | .00037 | .00017 | .0043 | .00030 | .00014 | .0178 | .049 | .00182 |
| %RSD | .65335 | .16113 | .25666 | .26859 | .06223 | .38980 | .31118 | .36037 |
| #1 | .05687 | .10400 | 1.6781 | .11061 | .22366 | 4.5822 | 15.825 | .50581 |
| #2 | .05692 | .10432 | 1.6745 | .11120 | .22390 | 4.5553 | 15.738 | .50263 |
| #3 | .05626 | .10408 | 1.6831 | .11097 | .22390 | 4.5890 | 15.820 | .50270 |

| 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 | 2.6039 | 4.5367 | .85543 | .72390 | .97662 | 1.1550 | 1.4865 | .75037 |
| Stddev | .0057 | .0107 | .00198 | .00047 | .00432 | .0044 | .0062 | .00213 |
| %RSD | .22017 | .23559 | .23089 | .06535 | .44204 | .37833 | .41926 | .28397 |
| #1 | 2.6028 | 4.5297 | .85322 | .72367 | .97946 | 1.1560 | 1.4869 | .74947 |
| #2 | 2.5987 | 4.5315 | .85700 | .72358 | .97165 | 1.1503 | 1.4800 | .74885 |
| #3 | 2.6101 | 4.5490 | .85608 | .72444 | .97875 | 1.1588 | 1.4925 | .75281 |

| 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 | .71943 | .09863 | .43052 | .06832 | 18.557 | 1.7039 | .06903 | .54654 |
| Stddev | .00144 | .00012 | .00154 | .00021 | .598 | .0043 | .00010 | .00174 |
| %RSD | .20057 | .12074 | .35806 | .30818 | 3.2205 | .25501 | .13872 | .31806 |
| #1 | .71810 | .09852 | .43160 | .06843 | 19.246 | 1.7047 | .06902 | .54821 |
| #2 | .71921 | .09862 | .42875 | .06807 | 18.253 | 1.6991 | .06913 | .54474 |
| #3 | .72096 | .09876 | .43121 | .06844 | 18.173 | 1.7077 | .06894 | .54668 |

| 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 | 1.3302 | .06577 | .38359 | .21236 | .77447 | 3.2411 | 13.706 |
| Stddev | .0030 | .00028 | .00154 | .00044 | .00223 | .0113 | .052 |
| %RSD | .22256 | .42456 | .40112 | .20836 | .28801 | .34915 | .38165 |
| #1 | 1.3268 | .06551 | .38500 | .21207 | .77601 | 3.2514 | 13.732 |
| #2 | 1.3316 | .06607 | .38195 | .21214 | .77191 | 3.2290 | 13.646 |
| #3 | 1.3323 | .06574 | .38383 | .21287 | .77548 | 3.2429 | 13.740 |

Sample Name: S3 Acquired: 1/4/2017 15:28:25 Type: Cal
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728) Mode: IR Corr. Factor: 1.000000
User: JASWAL Custom ID1: S03 Custom ID2: Custom ID3:
Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 53.067 | 1659.2 | 55582. | 9494.1 | 1947.4 |
| Stddev | 1.628 | 1.5 | 31. | 45.4 | .8 |
| %RSD | 3.0674 | .09045 | .05618 | .47791 | .04303 |
| | | | | | |
| #1 | 51.189 | 1659.1 | 55578. | 9466.4 | 1946.5 |
| #2 | 54.051 | 1657.8 | 55616. | 9546.5 | 1948.2 |
| #3 | 53.963 | 1660.8 | 55554. | 9469.4 | 1947.4 |

Sample Name: S4 Acquired: 1/4/2017 15:32:19 Type: Cal
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728) Mode: IR Corr. Factor: 1.000000
User: JASWAL Custom ID1: S04 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
|---|---|---|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .11470 | .19985 | 3.2817 | .21889 | .44808 | 9.0705 | 30.127 | .97965 |
| Stddev | .00038 | .00023 | .0113 | .00043 | .00110 | .0283 | .117 | .00404 |
| %RSD | .32696 | .11531 | .34358 | .19780 | .24522 | .31200 | .38860 | .41274 |
| #1 | .11433 | .19960 | 3.2720 | .21840 | .44723 | 9.0912 | 30.257 | .98220 |
| #2 | .11468 | .19990 | 3.2789 | .21921 | .44770 | 9.0819 | 30.030 | .98177 |
| #3 | .11508 | .20006 | 3.2941 | .21906 | .44932 | 9.0382 | 30.093 | .97499 |

| 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 | 5.0966 | 8.7997 | 1.6353 | 1.4269 | 1.9028 | 2.2029 | 2.8384 | 1.4849 |
| Stddev | .0207 | .0117 | .0022 | .0049 | .0065 | .0060 | .0070 | .0025 |
| %RSD | .40538 | .13257 | .13364 | .34475 | .34197 | .27236 | .24557 | .16677 |
| #1 | 5.0756 | 8.8074 | 1.6379 | 1.4219 | 1.9062 | 2.2079 | 2.8383 | 1.4835 |
| #2 | 5.0973 | 8.8055 | 1.6340 | 1.4270 | 1.9069 | 2.2045 | 2.8455 | 1.4877 |
| #3 | 5.1169 | 8.7863 | 1.6342 | 1.4317 | 1.8953 | 2.1962 | 2.8315 | 1.4834 |

| 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 | 1.3924 | .19827 | .85542 | .13166 | 36.994 | 3.3536 | .14071 | 1.0466 |
| Stddev | .0038 | .00020 | .00176 | .00019 | .272 | .0089 | .00039 | .0058 |
| %RSD | .27336 | .09972 | .20586 | .14061 | .73401 | .26434 | .28008 | .55256 |
| #1 | 1.3891 | .19846 | .85665 | .13173 | 36.722 | 3.3636 | .14073 | 1.0498 |
| #2 | 1.3915 | .19807 | .85621 | .13145 | 37.266 | 3.3505 | .14031 | 1.0500 |
| #3 | 1.3966 | .19828 | .85340 | .13180 | 36.995 | 3.3467 | .14110 | 1.0399 |

| 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 | 2.5918 | .13110 | .73872 | .41855 | 1.5004 | 6.4166 | 26.192 |
| Stddev | .0052 | .00047 | .00331 | .00233 | .0069 | .0221 | .221 |
| %RSD | .20000 | .35980 | .44843 | .55742 | .46187 | .34459 | .84204 |
| #1 | 2.5875 | .13071 | .74172 | .41586 | 1.5065 | 6.4340 | 26.417 |
| #2 | 2.5904 | .13098 | .73929 | .41975 | 1.5020 | 6.4241 | 26.181 |
| #3 | 2.5976 | .13163 | .73517 | .42003 | 1.4929 | 6.3917 | 25.976 |

Sample Name: S4 Acquired: 1/4/2017 15:32:19 Type: Cal
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728) Mode: IR Corr. Factor: 1.000000
User: JASWAL Custom ID1: S04 Custom ID2: Custom ID3:
Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 50.948 | 1585.1 | 53785. | 9416.6 | 1819.1 |
| Stddev | .487 | 3.4 | 53. | 41.3 | 3.6 |
| %RSD | .95571 | .21438 | .09938 | .43806 | .19573 |
| | | | | | |
| #1 | 51.369 | 1584.5 | 53740. | 9381.1 | 1820.5 |
| #2 | 50.414 | 1588.8 | 53844. | 9406.8 | 1821.7 |
| #3 | 51.060 | 1582.1 | 53770. | 9461.8 | 1815.0 |

Sample Name: S5 Acquired: 1/4/2017 15:36:26 Type: Cal
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728) Mode: IR Corr. Factor: 1.000000
User: JASWAL Custom ID1: S05 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
|---|---|---|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | .24520 | .39392 | 6.6268 | .46201 | .95371 | 18.263 | 59.031 | 1.9416 |
| Stddev | .00179 | .00214 | .0541 | .00363 | .00669 | .070 | .149 | .0028 |
| %RSD | .73099 | .54439 | .81585 | .78499 | .70121 | .38458 | .25291 | .14501 |
| #1 | .24368 | .39324 | 6.6086 | .45966 | .94924 | 18.270 | 58.907 | 1.9422 |
| #2 | .24718 | .39632 | 6.6877 | .46618 | .96139 | 18.329 | 59.197 | 1.9386 |
| #3 | .24476 | .39220 | 6.5842 | .46018 | .95048 | 18.189 | 58.989 | 1.9441 |

| 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 | 10.223 | 17.083 | 3.2165 | 2.8835 | 3.7852 | 4.1969 | 5.4468 | 2.9266 |
| Stddev | .083 | .021 | .0118 | .0234 | .0041 | .0087 | .0081 | .0022 |
| %RSD | .81010 | .12144 | .36800 | .81309 | .10736 | .20639 | .14851 | .07674 |
| #1 | 10.197 | 17.060 | 3.2293 | 2.8741 | 3.7842 | 4.1922 | 5.4416 | 2.9246 |
| #2 | 10.315 | 17.100 | 3.2059 | 2.9102 | 3.7897 | 4.2069 | 5.4561 | 2.9290 |
| #3 | 10.156 | 17.088 | 3.2143 | 2.8663 | 3.7818 | 4.1915 | 5.4428 | 2.9261 |

| 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 | 2.7803 | .41677 | 1.7091 | .25787 | 76.905 | 6.7538 | .29736 | 1.9922 |
| Stddev | .0208 | .00117 | .0043 | .00068 | 2.340 | .0188 | .00140 | .0068 |
| %RSD | .74726 | .28192 | .25127 | .26359 | 3.0431 | .27770 | .47034 | .34079 |
| #1 | 2.7717 | .41809 | 1.7047 | .25740 | 77.542 | 6.7342 | .29613 | 1.9853 |
| #2 | 2.8040 | .41584 | 1.7094 | .25865 | 78.860 | 6.7554 | .29888 | 1.9989 |
| #3 | 2.7653 | .41638 | 1.7133 | .25755 | 74.312 | 6.7716 | .29709 | 1.9925 |

| Elem | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 5.2688 | .27481 | 1.4334 | .84640 | 2.9457 | 12.986 | 51.129 |
| Stddev | .0447 | .00133 | .0043 | .00718 | .0087 | .016 | .055 |
| %RSD | .84923 | .48321 | .29843 | .84883 | .29417 | .11933 | .10759 |
| #1 | 5.2457 | .27355 | 1.4286 | .84457 | 2.9479 | 12.973 | 51.099 |
| #2 | 5.3203 | .27620 | 1.4369 | .85432 | 2.9531 | 13.003 | 51.192 |
| #3 | 5.2402 | .27468 | 1.4346 | .84030 | 2.9362 | 12.981 | 51.095 |

Sample Name: S5 Acquired: 1/4/2017 15:36:26 Type: Cal
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728) Mode: IR Corr. Factor: 1.000000
User: JASWAL Custom ID1: S05 Custom ID2: Custom ID3:
Comment:

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 46.554 | 1436.5 | 50618. | 9341.5 | 1638.0 |
| Stddev | 1.379 | 12.0 | 99. | 35.0 | 13.2 |
| %RSD | 2.9627 | .83240 | .19468 | .37491 | .80817 |
| | | | | | |
| #1 | 46.305 | 1442.1 | 50504. | 9379.4 | 1642.0 |
| #2 | 45.317 | 1422.8 | 50672. | 9310.4 | 1623.3 |
| #3 | 48.041 | 1444.7 | 50678. | 9334.5 | 1648.8 |

Sample Name: S6 Acquired: 1/4/2017 15:40:33 Type: Cal
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728) Mode: IR Corr. Factor: 1.000000
User: JASWAL Custom ID1: S06 Custom ID2: Custom ID3:
Comment:

| Elem | Al3961 | Ca3736 | Fe2598 | Mg2790 | Na8183 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 48.099 | 28.560 | 11.217 | 4.7312 | 4.8634 |
| Stddev | .233 | .091 | .023 | .0111 | .0137 |
| %RSD | .48517 | .31835 | .20770 | .23492 | .28063 |
| | | | | | |
| #1 | 48.092 | 28.455 | 11.192 | 4.7184 | 4.8517 |
| #2 | 48.336 | 28.608 | 11.239 | 4.7382 | 4.8601 |
| #3 | 47.870 | 28.617 | 11.219 | 4.7371 | 4.8784 |

| Int. Std. | Y_3710 |
|---|---|
| Units | Cts/S |
| Avg | 9085.0 |
| Stddev | 22.4 |
| %RSD | .24691 |
| | |
| #1 | 9081.1 |
| #2 | 9109.1 |
| #3 | 9064.7 |

Sample Name: ICV Acquired: 1/4/2017 15:44:48 Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728) Mode: CONC Corr. Factor: 1.000000
User: JASWAL Custom ID1: ICV Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .9316807 | 1.023404 | .9324841 | .9692564 | .8963110 | 2.545409 | .5116066 |
| Stddev | .0062440 | .012361 | .0047185 | .0051555 | .0063756 | .004872 | .0001339 |
| %RSD | .6701823 | 1.207861 | .5060162 | .5319064 | .7113205 | .1914053 | .0261694 |
| #1 | .9247450 | 1.010919 | .9323584 | .9739428 | .8891067 | 2.541016 | .5114971 |
| #2 | .9368542 | 1.023654 | .9278297 | .9637339 | .8986006 | 2.544563 | .5117559 |
| #3 | .9334429 | 1.035638 | .9372643 | .9700924 | .9012256 | 2.550649 | .5115669 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .4896760 | .4583133 | 10.20905 | .5028343 | .4715794 | .5003306 | 5.293509 |
| Stddev | .0019192 | .0016498 | .03495 | .0007330 | .0018792 | .0032023 | .032025 |
| %RSD | .3919335 | .3599792 | .3423919 | .1457802 | .3984894 | .6400312 | .6049801 |
| #1 | .4910123 | .4569158 | 10.19831 | .5033711 | .4698447 | .4970716 | 5.265760 |
| #2 | .4905388 | .4578908 | 10.18072 | .5019991 | .4713177 | .5004471 | 5.286215 |
| #3 | .4874768 | .4601333 | 10.24811 | .5031326 | .4735757 | .5034729 | 5.328551 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .5238614 | 5.609222 | .4731893 | .4621978 | 9.685774 | .5344875 | .9369381 |
| Stddev | .0010726 | .026609 | .0022176 | .0011785 | .208779 | .0018924 | .0165687 |
| %RSD | .2047538 | .4743746 | .4686480 | .2549819 | 2.155518 | .3540534 | 1.768389 |
| #1 | .5228386 | 5.639833 | .4717207 | .4634171 | 9.885681 | .5339622 | .9428782 |
| #2 | .5237678 | 5.596200 | .4721069 | .4621116 | 9.469131 | .5329133 | .9182181 |
| #3 | .5249777 | 5.591632 | .4757402 | .4610647 | 9.702510 | .5365870 | .9497178 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 9.159368 | 4.530486 | 5.127676 | 4.891108 | -.025667 | 4.695292 | 4.567830 |
| Stddev | .072813 | .056588 | .018589 | .032492 | .001089 | .026392 | .021445 |
| %RSD | .7949586 | 1.249045 | .3625165 | .6643014 | 4.244010 | .5621057 | .4694741 |
| #1 | 9.101994 | 4.491836 | 5.147803 | 4.864459 | -.024516 | 4.716503 | 4.556465 |
| #2 | 9.134830 | 4.504184 | 5.124070 | 4.881561 | -.025803 | 4.703637 | 4.554459 |
| #3 | 9.241280 | 4.595438 | 5.111154 | 4.927304 | -.026682 | 4.665735 | 4.592565 |

Sample Name: ICV Acquired: 1/4/2017 15:44:48 Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728) Mode: CONC Corr. Factor: 1.000000
User: JASWAL Custom ID1: ICV Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 5.072312 | .0059026 | .0117456 |
| Stddev | .024435 | .0002744 | .0000782 |
| %RSD | .4817422 | 4.648695 | .6654821 |
| | | | |
| #1 | 5.060741 | .0061616 | .0116900 |
| #2 | 5.055810 | .0059310 | .0117119 |
| #3 | 5.100383 | .0056150 | .0118350 |

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 57.23043 | 1817.876 | 60802.34 | 9818.132 | 2339.382 |
| Stddev | .73799 | 6.832 | 153.93 | 23.709 | 8.710 |
| %RSD | 1.289502 | .3758414 | .2531643 | .2414805 | .3723103 |
| | | | | | |
| #1 | 56.89007 | 1813.474 | 60979.63 | 9820.016 | 2330.936 |
| #2 | 58.07718 | 1825.747 | 60724.66 | 9793.538 | 2348.334 |
| #3 | 56.72405 | 1814.407 | 60702.74 | 9840.843 | 2338.876 |

Sample Name: ICB Acquired: 1/4/2017 16:03:42 Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728) Mode: CONC Corr. Factor: 1.000000
User: JASWAL Custom ID1: ICB Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.005059 | -.000281 | .0005709 | -.000233 | .0004854 | .0019874 | -.000152 |
| Stddev | .006911 | .003298 | .0005414 | .003183 | .0025484 | .0011154 | .000160 |
| %RSD | 136.6138 | 1174.197 | 94.83027 | 1365.532 | 524.9705 | 56.12469 | 104.8810 |
| #1 | .001474 | -.000905 | .0006892 | .002784 | .0022861 | .0032536 | -.000046 |
| #2 | -.004355 | -.003222 | .0010433 | .000076 | -.002430 | .0015585 | -.000075 |
| #3 | -.012295 | .003284 | -.000020 | -.003559 | .001601 | .0011501 | -.000336 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0000918 | .0000252 | .0049266 | .0002314 | .0002912 | .0009313 | -.010146 |
| Stddev | .0000369 | .0001043 | .0024424 | .0001055 | .0000589 | .0019366 | .006753 |
| %RSD | 40.21111 | 414.2004 | 49.57462 | 45.59637 | 20.22458 | 207.9547 | 66.55862 |
| #1 | .0001334 | -.000059 | .0053452 | .0001301 | .0002974 | .0014609 | -.016144 |
| #2 | .0000631 | -.000007 | .0023020 | .0002235 | .0003468 | -.001215 | -.011463 |
| #3 | .0000788 | .000142 | .0071326 | .0003407 | .0002295 | .002548 | -.002831 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.000877 | -.009739 | .0001328 | .0003367 | .1938015 | -.001802 | -.008059 |
| Stddev | .001198 | .007754 | .0005109 | .0003300 | .1245443 | .001401 | .008276 |
| %RSD | 136.5367 | 79.61844 | 384.7157 | 98.00424 | 64.26382 | 77.76314 | 102.6843 |
| #1 | -.000347 | -.011972 | -.000390 | .0006309 | .0536951 | -.002903 | -.001394 |
| #2 | -.000036 | -.016132 | .000157 | -.000020 | .2357669 | -.002279 | -.017322 |
| #3 | -.002249 | -.001113 | .000631 | .000400 | .2919425 | -.000225 | -.005462 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.027463 | -.003323 | .0037701 | .0007413 | -.007599 | .0014459 | .0006153 |
| Stddev | .031915 | .003680 | .0001903 | .0001316 | .008628 | .0009242 | .0011252 |
| %RSD | 116.2081 | 110.7491 | 5.048063 | 17.75376 | 113.5400 | 63.92324 | 182.8614 |
| #1 | -.040963 | .000863 | .0039511 | .0008927 | .002159 | .0025085 | -.000597 |
| #2 | -.050410 | -.004780 | .0035717 | .0006539 | -.010740 | .0009998 | .001627 |
| #3 | .008983 | -.006051 | .0037876 | .0006773 | -.014216 | .0008292 | .000816 |

Sample Name: ICB Acquired: 1/4/2017 16:03:42 Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728) Mode: CONC Corr. Factor: 1.000000
User: JASWAL Custom ID1: ICB Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | .0009059 | .0013057 | -.000038 |
| Stddev | .0010714 | .0004468 | .000041 |
| %RSD | 118.2712 | 34.21716 | 108.1744 |
| | | | |
| #1 | .0006869 | .0011889 | .000008 |
| #2 | -.000039 | .0009290 | -.000053 |
| #3 | .002070 | .0017993 | -.000068 |

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 58.85667 | 1847.346 | 62924.04 | 10159.22 | 2471.242 |
| Stddev | .36419 | 11.294 | 137.51 | 18.27 | 10.053 |
| %RSD | .6187785 | .6113675 | .2185362 | .1797966 | .4067912 |
| | | | | | |
| #1 | 58.86167 | 1857.697 | 62801.33 | 10144.78 | 2478.734 |
| #2 | 59.21833 | 1849.040 | 63072.66 | 10153.13 | 2475.174 |
| #3 | 58.49000 | 1835.300 | 62898.12 | 10179.75 | 2459.817 |

Sample Name: CCV008 Acquired: 1/4/2017 16:15:52 Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728) Mode: CONC Corr. Factor: 1.000000
User: JASWAL Custom ID1: CCV008 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 5.079519 | 4.952650 | 25.10703 | 5.115586 | 5.200984 | 402.3430 | 10.44171 |
| Stddev | .027761 | .038659 | .11690 | .022380 | .016826 | .5220 | .05610 |
| %RSD | .5465255 | .7805750 | .4655883 | .4374820 | .3235215 | .1297437 | .5373026 |
| #1 | 5.076231 | 4.917668 | 24.99040 | 5.136687 | 5.195693 | 402.8593 | 10.38461 |
| #2 | 5.108777 | 4.994156 | 25.22419 | 5.117955 | 5.219820 | 402.3542 | 10.49676 |
| #3 | 5.053548 | 4.946126 | 25.10649 | 5.092116 | 5.187439 | 401.8154 | 10.44377 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .5107158 | 2.546934 | 400.1284 | 15.65911 | 2.541539 | 15.64988 | 404.4288 |
| Stddev | .0016174 | .011930 | .4630 | .01898 | .013530 | .00817 | .4416 |
| %RSD | .3166959 | .4684003 | .1157110 | .1211984 | .5323573 | .0522284 | .1091810 |
| #1 | .5114136 | 2.536069 | 400.6542 | 15.67889 | 2.530635 | 15.65305 | 404.8863 |
| #2 | .5118672 | 2.559700 | 399.7815 | 15.65740 | 2.556680 | 15.64060 | 404.0051 |
| #3 | .5088666 | 2.545033 | 399.9497 | 15.64104 | 2.537302 | 15.65600 | 404.3949 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 15.24985 | 400.0695 | 2.544302 | 1.271749 | 390.6241 | 2.575502 | 14.95769 |
| Stddev | .02518 | .0626 | .012728 | .002490 | .6733 | .009221 | .27826 |
| %RSD | .1650984 | .0156477 | .5002383 | .1957848 | .1723549 | .3580158 | 1.860291 |
| #1 | 15.27854 | 400.1258 | 2.532526 | 1.269134 | 390.9456 | 2.577182 | 15.18577 |
| #2 | 15.23143 | 400.0804 | 2.557804 | 1.274091 | 389.8504 | 2.583768 | 15.03964 |
| #3 | 15.23958 | 400.0021 | 2.542576 | 1.272021 | 391.0764 | 2.565557 | 14.64766 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 157.9043 | 5.184520 | 4.978996 | 5.024664 | 5.365334 | 5.063726 | 5.069381 |
| Stddev | .1907 | .022080 | .020191 | .018305 | .036950 | .029152 | .021764 |
| %RSD | .1207863 | .4258871 | .4055328 | .3642995 | .6886750 | .5756957 | .4293144 |
| #1 | 157.9040 | 5.167659 | 4.979102 | 5.014204 | 5.336747 | 5.070935 | 5.047737 |
| #2 | 158.0952 | 5.209513 | 4.999134 | 5.045800 | 5.407057 | 5.088597 | 5.091262 |
| #3 | 157.7137 | 5.176388 | 4.958752 | 5.013988 | 5.352197 | 5.031646 | 5.069144 |

Sample Name: CCV008 Acquired: 1/4/2017 16:15:52 Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728) Mode: CONC Corr. Factor: 1.000000
User: JASWAL Custom ID1: CCV008 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 5.150958 | 5.274216 | 5.220838 |
| Stddev | .010731 | .011142 | .023888 |
| %RSD | .2083278 | .2112570 | .4575500 |
| | | | |
| #1 | 5.162645 | 5.282108 | 5.225561 |
| #2 | 5.141550 | 5.279071 | 5.242012 |
| #3 | 5.148679 | 5.261471 | 5.194941 |

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 51.36615 | 1526.768 | 52545.30 | 9521.104 | 1714.183 |
| Stddev | .93985 | 3.903 | 127.80 | 4.075 | 8.207 |
| %RSD | 1.829701 | .2556166 | .2432193 | .0427969 | .4787723 |
| | | | | | |
| #1 | 50.74366 | 1528.641 | 52600.08 | 9519.540 | 1721.946 |
| #2 | 50.90753 | 1522.282 | 52636.57 | 9518.042 | 1705.594 |
| #3 | 52.44726 | 1529.381 | 52399.24 | 9525.729 | 1715.008 |

Sample Name: CCB008 Acquired: 1/4/2017 16:19:58 Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728) Mode: CONC Corr. Factor: 1.000000
User: JASWAL Custom ID1: CCB008 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0009409 | .0015139 | .0019812 | -.001895 | -.001738 | .0062421 | .0002468 |
| Stddev | .0020383 | .0015960 | .0006893 | .004609 | .001843 | .0066726 | .0002607 |
| %RSD | 216.6264 | 105.4271 | 34.79371 | 243.2385 | 106.0488 | 106.8970 | 105.6643 |
| #1 | -.000541 | .0009879 | .0020248 | -.005945 | -.000183 | .0102273 | .0000808 |
| #2 | .003265 | .0033066 | .0012711 | -.002859 | -.001257 | .0099603 | .0005473 |
| #3 | .000099 | .0002472 | .0026477 | .003120 | -.003774 | -.001461 | .0001122 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0000916 | -.000042 | .0090600 | .0000848 | -.000381 | .0010034 | -.007579 |
| Stddev | .0000573 | .000027 | .0083743 | .0002728 | .000332 | .0024489 | .003403 |
| %RSD | 62.59093 | 65.56427 | 92.43150 | 321.7603 | 86.99233 | 244.0573 | 44.90133 |
| #1 | .0001404 | -.000064 | .0094954 | -.000080 | -.000408 | -.001443 | -.011444 |
| #2 | .0001059 | -.000011 | .0004765 | .000400 | -.000037 | .000998 | -.005034 |
| #3 | .0000285 | -.000050 | .0172082 | -.000065 | -.000698 | .003455 | -.006259 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.000776 | -.021327 | -.000402 | .0001559 | .0564204 | -.000188 | -.002543 |
| Stddev | .000445 | .018373 | .000530 | .0005516 | .1180063 | .003458 | .004414 |
| %RSD | 57.38653 | 86.15051 | 131.8815 | 353.8131 | 209.1554 | 1844.122 | 173.5561 |
| #1 | -.000704 | -.034204 | .000159 | -.000028 | -.059582 | -.000782 | -.005020 |
| #2 | -.001252 | -.000287 | -.000471 | .000776 | .052510 | -.003310 | .002553 |
| #3 | -.000371 | -.029489 | -.000894 | -.000280 | .176333 | .003529 | -.005162 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0186363 | .0012237 | .0049460 | -.000309 | -.018381 | .0010904 | -.002182 |
| Stddev | .0111498 | .0026168 | .0008076 | .000182 | .008614 | .0006283 | .001401 |
| %RSD | 59.82842 | 213.8494 | 16.32887 | 58.82747 | 46.86083 | 57.62325 | 64.18396 |
| #1 | .0244725 | .0042419 | .0050117 | -.000231 | -.009282 | .0005620 | -.003555 |
| #2 | .0256567 | -.000409 | .0057188 | -.000180 | -.019455 | .0017852 | -.002236 |
| #3 | .0057798 | -.000162 | .0041075 | -.000517 | -.026408 | .0009241 | -.000755 |

Sample Name: CCB008 Acquired: 1/4/2017 16:19:58 Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728) Mode: CONC Corr. Factor: 1.000000
User: JASWAL Custom ID1: CCB008 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | .0012589 | .0022279 | .0000257 |
| Stddev | .0005977 | .0004162 | .0000815 |
| %RSD | 47.48366 | 18.68083 | 317.6645 |
| | | | |
| #1 | .0019489 | .0018321 | .0000798 |
| #2 | .0009271 | .0026619 | -.000068 |
| #3 | .0009006 | .0021897 | .000065 |

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 58.98694 | 1869.629 | 63032.34 | 10133.31 | 2494.307 |
| Stddev | .94459 | 6.742 | 83.69 | 18.73 | 10.013 |
| %RSD | 1.601362 | .3605814 | .1327655 | .1848251 | .4014511 |
| | | | | | |
| #1 | 59.65750 | 1872.770 | 62988.55 | 10112.48 | 2490.631 |
| #2 | 57.90667 | 1874.227 | 62979.64 | 10138.70 | 2505.639 |
| #3 | 59.39667 | 1861.890 | 63128.84 | 10148.75 | 2486.652 |

Sample Name: FE 100PPM  Acquired: 1/4/2017 16:29:07  Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728)  Mode: CONC  Corr. Factor: 1.000000
User: JASWAL  Custom ID1: ICF STUDY  Custom ID2:  Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0033754 | .0002101 | .0060539 | -.016600 | -.000116 | .0097483 | .0002376 |
| Stddev | .0104244 | .0062830 | .0031440 | .005644 | .000527 | .0025136 | .0004600 |
| %RSD | 308.8311 | 2990.969 | 51.93384 | 33.99885 | 455.1018 | 25.78488 | 193.6190 |
| #1 | -.008277 | .0065597 | .0063867 | -.010701 | .000337 | .0116538 | -.000275 |
| #2 | .006586 | -.006004 | .0090183 | -.017152 | -.000694 | .0106915 | .000375 |
| #3 | .011817 | .000075 | .0027567 | -.021948 | .000010 | .0068995 | .000613 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0011650 | .0034925 | .2758911 | .0007560 | .0012938 | -.008853 | 107.4850 |
| Stddev | .0001568 | .0000755 | .0116068 | .0003710 | .0002367 | .000991 | .4235 |
| %RSD | 13.45876 | 2.160835 | 4.207006 | 49.07861 | 18.29359 | 11.19123 | .3939785 |
| #1 | .0013173 | .0034184 | .2876796 | .0008582 | .0014593 | -.007780 | 107.1611 |
| #2 | .0011738 | .0035693 | .2644750 | .0003445 | .0010227 | -.009045 | 107.3298 |
| #3 | .0010041 | .0034899 | .2755186 | .0010651 | .0013994 | -.009734 | 107.9642 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.005490 | -.009771 | .0003595 | -.013300 | .2699945 | -.002675 | .0125836 |
| Stddev | .000526 | .010701 | .0003840 | .000270 | .0642093 | .001804 | .0101200 |
| %RSD | 9.581160 | 109.5197 | 106.8263 | 2.031982 | 23.78170 | 67.45705 | 80.42236 |
| #1 | -.004974 | -.003604 | .0002604 | -.013214 | .2816969 | -.002170 | .0049147 |
| #2 | -.006026 | -.022128 | .0007834 | -.013603 | .3275477 | -.001177 | .0087822 |
| #3 | -.005471 | -.003582 | .0000347 | -.013084 | .2007388 | -.004678 | .0240539 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.086476 | .0014350 | -.010813 | -.001466 | -.010688 | -.005933 | -.000209 |
| Stddev | .004203 | .0060061 | .001164 | .000508 | .003577 | .001143 | .002071 |
| %RSD | 4.859811 | 418.5338 | 10.76104 | 34.62238 | 33.46714 | 19.26418 | 990.5130 |
| #1 | -.085446 | -.003218 | -.011390 | -.001117 | -.009708 | -.004853 | -.002482 |
| #2 | -.082884 | .008215 | -.009474 | -.002049 | -.007703 | -.007130 | .001573 |
| #3 | -.091098 | -.000693 | -.011576 | -.001233 | -.014653 | -.005817 | .000282 |

Sample Name: FE 100PPM  Acquired: 1/4/2017 16:29:07  Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728)  Mode: CONC  Corr. Factor: 1.000000
User: JASWAL  Custom ID1: ICF STUDY  Custom ID2:  Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | .0010238 | .0007802 | -.000013 |
| Stddev | .0004844 | .0005546 | .000045 |
| %RSD | 47.31782 | 71.08398 | 337.3963 |
| | | | |
| #1 | .0006551 | .0008825 | -.000014 |
| #2 | .0015724 | .0012765 | -.000059 |
| #3 | .0008438 | .0001816 | .000032 |

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 59.91488 | 1882.460 | 63425.26 | 10200.54 | 2459.422 |
| Stddev | .51803 | 2.355 | 176.09 | 31.40 | 3.337 |
| %RSD | .8646085 | .1251069 | .2776328 | .3078567 | .1356966 |
| | | | | | |
| #1 | 60.45907 | 1882.437 | 63223.39 | 10167.62 | 2458.392 |
| #2 | 59.42773 | 1884.827 | 63505.18 | 10230.17 | 2463.153 |
| #3 | 59.85784 | 1880.117 | 63547.22 | 10203.82 | 2456.721 |

Sample Name: FE 250PPM  Acquired: 1/4/2017 16:33:15  Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728)  Mode: CONC  Corr. Factor: 1.000000
User: JASWAL  Custom ID1: ICF STUDY  Custom ID2:  Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.008928 | .0036116 | .0118271 | -.043445 | .0026034 | .0212522 | .0005068 |
| Stddev | .010214 | .0054765 | .0009968 | .002270 | .0029598 | .0059397 | .0006401 |
| %RSD | 114.4029 | 151.6364 | 8.428318 | 5.224552 | 113.6900 | 27.94883 | 126.3094 |
| #1 | -.010738 | .0009748 | .0115946 | -.042454 | .0024798 | .0184852 | .0010147 |
| #2 | -.018116 | .0099077 | .0109671 | -.046041 | -.000293 | .0172008 | .0007179 |
| #3 | .002070 | -.000048 | .0129196 | -.041838 | .005623 | .0280707 | -.000212 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0026839 | .0091288 | .7255215 | .0015502 | .0031111 | -.023657 | 265.1346 |
| Stddev | .0001379 | .0001735 | .0201413 | .0001748 | .0008720 | .001749 | 1.2136 |
| %RSD | 5.138957 | 1.900367 | 2.776121 | 11.27430 | 28.02890 | 7.393064 | .4577245 |
| #1 | .0028343 | .0092656 | .7040291 | .0014444 | .0035226 | -.021699 | 263.7501 |
| #2 | .0026537 | .0091871 | .7439638 | .0014543 | .0037012 | -.024208 | 265.6396 |
| #3 | .0025635 | .0089337 | .7285717 | .0017520 | .0021095 | -.025064 | 266.0142 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.012646 | .0332425 | .0013178 | -.032536 | .6038492 | -.002431 | .0231677 |
| Stddev | .000934 | .0182319 | .0002786 | .000296 | .0331579 | .001320 | .0070506 |
| %RSD | 7.389315 | 54.84511 | 21.13862 | .9092960 | 5.491088 | 54.29213 | 30.43294 |
| #1 | -.012665 | .0360791 | .0012312 | -.032877 | .6175157 | -.003840 | .0232776 |
| #2 | -.011703 | .0137586 | .0016294 | -.032352 | .6279896 | -.002229 | .0301627 |
| #3 | -.013571 | .0498898 | .0010929 | -.032378 | .5660423 | -.001224 | .0160628 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.072486 | .0050675 | -.029120 | -.002760 | -.022763 | -.015203 | .0025774 |
| Stddev | .031548 | .0014786 | .001240 | .000199 | .008266 | .004414 | .0020228 |
| %RSD | 43.52301 | 29.17749 | 4.256774 | 7.197524 | 36.31294 | 29.03115 | 78.48314 |
| #1 | -.108911 | .0042160 | -.030551 | -.002539 | -.031597 | -.018813 | .0005306 |
| #2 | -.054729 | .0042117 | -.028424 | -.002817 | -.021474 | -.016514 | .0026262 |
| #3 | -.053819 | .0067748 | -.028385 | -.002924 | -.015217 | -.010283 | .0045754 |

Sample Name: FE 250PPM  Acquired: 1/4/2017 16:33:15  Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728)  Mode: CONC  Corr. Factor: 1.000000
User: JASWAL  Custom ID1: ICF STUDY  Custom ID2:  Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | .0010913 | .0006392 | -.000021 |
| Stddev | .0008940 | .0005652 | .000054 |
| %RSD | 81.91498 | 88.41134 | 256.4709 |
| | | | |
| #1 | .0003038 | .0012671 | -.000084 |
| #2 | .0020630 | .0001711 | .000006 |
| #3 | .0009072 | .0004796 | .000014 |

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 60.00140 | 1852.898 | 62776.62 | 10253.81 | 2406.283 |
| Stddev | .81365 | 7.819 | 79.33 | 34.80 | 9.449 |
| %RSD | 1.356046 | .4219652 | .1263642 | .3393741 | .3926639 |
| | | | | | |
| #1 | 60.78245 | 1850.770 | 62745.39 | 10225.01 | 2404.441 |
| #2 | 60.06307 | 1846.363 | 62717.66 | 10243.93 | 2397.891 |
| #3 | 59.15867 | 1861.560 | 62866.81 | 10292.48 | 2416.517 |

Sample Name: CA 250PPM  Acquired: 1/4/2017 16:45:13  Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728)  Mode: CONC  Corr. Factor: 1.000000
User: JASWAL  Custom ID1: ICF STUDY  Custom ID2:  Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.011166 | .0003107 | .0007186 | -.001389 | -.002681 | .1319286 | -.000156 |
| Stddev | .001911 | .0011608 | .0022977 | .004089 | .002857 | .0063931 | .000373 |
| %RSD | 17.11409 | 373.6340 | 319.7649 | 294.4929 | 106.5447 | 4.845864 | 238.6744 |
| #1 | -.008959 | .0008852 | .0033421 | -.001800 | -.001941 | .1246004 | .000183 |
| #2 | -.012294 | .0010722 | -.000251 | -.005256 | -.000268 | .1363641 | -.000556 |
| #3 | -.012244 | -.001025 | -.000936 | .002891 | -.005836 | .1348211 | -.000096 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0000899 | -.000094 | 261.4075 | .0098110 | -.002106 | .0025134 | .0677484 |
| Stddev | .0000987 | .000059 | .7205 | .0000859 | .000181 | .0001184 | .0134690 |
| %RSD | 109.7469 | 62.73615 | .2756415 | .8751407 | 8.572149 | 4.709106 | 19.88089 |
| #1 | -.000018 | -.000096 | 262.0380 | .0097137 | -.002038 | .0026491 | .0524124 |
| #2 | .000175 | -.000034 | 261.5623 | .0098760 | -.001969 | .0024315 | .0776564 |
| #3 | .000114 | -.000151 | 260.6221 | .0098434 | -.002310 | .0024596 | .0731765 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.000943 | .0475637 | .0055022 | .0002524 | .1661281 | -.002423 | .0035350 |
| Stddev | .000527 | .0220556 | .0001059 | .0001030 | .1142704 | .001852 | .0065718 |
| %RSD | 55.91783 | 46.37069 | 1.923683 | 40.82094 | 68.78452 | 76.45750 | 185.9049 |
| #1 | -.001142 | .0727424 | .0054548 | .0003538 | .1646784 | -.000345 | .0051867 |
| #2 | -.000345 | .0382872 | .0056235 | .0002555 | .2811165 | -.003903 | .0091234 |
| #3 | -.001342 | .0316615 | .0054284 | .0001478 | .0525894 | -.003020 | -.003705 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.063979 | -.007450 | .0003772 | .0008270 | .0291371 | .0023725 | -.002998 |
| Stddev | .007761 | .003678 | .0005245 | .0002673 | .0080284 | .0011693 | .001948 |
| %RSD | 12.13099 | 49.37675 | 139.0447 | 32.32603 | 27.55411 | 49.28530 | 64.99124 |
| #1 | -.056305 | -.011181 | .0000939 | .0010032 | .0309620 | .0011987 | -.003856 |
| #2 | -.071825 | -.003827 | .0009824 | .0009584 | .0360959 | .0035373 | -.004370 |
| #3 | -.063806 | -.007342 | .0000553 | .0005194 | .0203532 | .0023815 | -.000768 |

Sample Name: CA 250PPM  Acquired: 1/4/2017 16:45:13  Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728)  Mode: CONC  Corr. Factor: 1.000000
User: JASWAL  Custom ID1: ICF STUDY  Custom ID2:  Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | -.005917 | .0032084 | .0167575 |
| Stddev | .000584 | .0007915 | .0000525 |
| %RSD | 9.870650 | 24.67036 | .3133461 |
| | | | |
| #1 | -.006584 | .0032281 | .0167007 |
| #2 | -.005675 | .0039899 | .0168042 |
| #3 | -.005494 | .0024072 | .0167678 |

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 56.29675 | 1748.127 | 59007.03 | 9878.185 | 2179.088 |
| Stddev | .83705 | 6.523 | 154.32 | 16.901 | 4.317 |
| %RSD | 1.486846 | .3731352 | .2615350 | .1710950 | .1980952 |
| | | | | | |
| #1 | 57.08259 | 1741.427 | 58843.83 | 9876.595 | 2175.716 |
| #2 | 55.41650 | 1754.457 | 59026.67 | 9862.135 | 2183.953 |
| #3 | 56.39116 | 1748.497 | 59150.59 | 9895.825 | 2177.596 |

Sample Name: MG 250PPM  Acquired: 1/4/2017 16:49:21  Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728)  Mode: CONC  Corr. Factor: 1.000000
User: JASWAL  Custom ID1: ICF STUDY  Custom ID2:  Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.000621 | .0032855 | -.001587 | -.003292 | -.002120 | -.005938 | -.000253 |
| Stddev | .005887 | .0016207 | .001811 | .003794 | .002110 | .005668 | .000324 |
| %RSD | 948.2870 | 49.32973 | 114.0907 | 115.2417 | 99.52486 | 95.44729 | 128.4296 |
| #1 | -.007102 | .0045023 | -.003056 | -.001483 | -.001830 | -.012388 | .000122 |
| #2 | .000843 | .0014457 | .000436 | -.000741 | -.004361 | -.001751 | -.000444 |
| #3 | .004397 | .0039083 | -.002142 | -.007651 | -.000170 | -.003676 | -.000436 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0000790 | -.000021 | .0275863 | .0016016 | -.000405 | .0002431 | -.010843 |
| Stddev | .0001246 | .000049 | .0060203 | .0002224 | .000552 | .0019142 | .004104 |
| %RSD | 157.7349 | 237.6149 | 21.82333 | 13.88416 | 136.3167 | 787.4048 | 37.84883 |
| #1 | .0001745 | -.000048 | .0206853 | .0015615 | -.000829 | .0010649 | -.006171 |
| #2 | .0001243 | -.000051 | .0317616 | .0014020 | .000219 | -.001945 | -.013868 |
| #3 | -.000062 | .000036 | .0303121 | .0018413 | -.000606 | .001609 | -.012489 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.000115 | 248.3911 | .0009192 | .0005930 | .1667058 | .0034242 | -.008748 |
| Stddev | .000181 | .9126 | .0004311 | .0001756 | .0951992 | .0034317 | .003419 |
| %RSD | 157.3513 | .3673850 | 46.90408 | 29.61238 | 57.10611 | 100.2190 | 39.08786 |
| #1 | .000003 | 249.4077 | .0005502 | .0006182 | .2264875 | .0071607 | -.005169 |
| #2 | -.000025 | 248.1227 | .0008143 | .0004061 | .2167054 | .0026982 | -.011982 |
| #3 | -.000323 | 247.6428 | .0013931 | .0007545 | .0569244 | .0004135 | -.009094 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.152250 | .0025254 | .0008923 | -.000090 | -.000763 | .0010008 | -.000487 |
| Stddev | .011602 | .0062524 | .0011559 | .000836 | .011846 | .0008536 | .001454 |
| %RSD | 7.620375 | 247.5760 | 129.5435 | 925.4516 | 1553.116 | 85.29310 | 298.7886 |
| #1 | -.141729 | .0060658 | .0021623 | .000870 | -.013171 | .0000212 | -.001473 |
| #2 | -.164693 | .0062043 | -.000098 | -.000650 | .000456 | .0013964 | .001183 |
| #3 | -.150328 | -.004694 | .000613 | -.000491 | .010427 | .0015849 | -.001170 |

Sample Name: MG 250PPM  Acquired: 1/4/2017 16:49:21  Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728)  Mode: CONC  Corr. Factor: 1.000000
User: JASWAL  Custom ID1: ICF STUDY  Custom ID2:  Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | .0010612 | .0013393 | -.000040 |
| Stddev | .0013922 | .0003585 | .000053 |
| %RSD | 131.1831 | 26.76439 | 133.6967 |
| | | | |
| #1 | .0026531 | .0009495 | -.000096 |
| #2 | .0004590 | .0014137 | -.000033 |
| #3 | .0000715 | .0016548 | .000010 |

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 57.57590 | 1798.883 | 60435.15 | 10062.70 | 2231.427 |
| Stddev | 2.04066 | 1.540 | 153.75 | 30.45 | 5.413 |
| %RSD | 3.544301 | .0856257 | .2544014 | .3026424 | .2425829 |
| | | | | | |
| #1 | 56.82445 | 1799.843 | 60259.73 | 10037.33 | 2234.121 |
| #2 | 59.88573 | 1799.700 | 60499.23 | 10054.29 | 2234.963 |
| #3 | 56.01750 | 1797.107 | 60546.49 | 10096.48 | 2225.195 |

Sample Name: AL 250PPM  Acquired: 1/4/2017 16:53:29  Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728)  Mode: CONC  Corr. Factor: 1.000000
User: JASWAL  Custom ID1: ICF STUDY  Custom ID2:  Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0034813 | -.005386 | -.015222 | -.001018 | -.001167 | 232.0898 | .0007366 |
| Stddev | .0013342 | .002285 | .001513 | .008914 | .002664 | .6483 | .0001318 |
| %RSD | 38.32522 | 42.43575 | 9.936609 | 876.0435 | 228.3113 | .2793209 | 17.89584 |
| #1 | .0019683 | -.005663 | -.015096 | -.000105 | .000758 | 232.8113 | .0006622 |
| #2 | .0039861 | -.002974 | -.016794 | .007405 | -.000051 | 231.9018 | .0008888 |
| #3 | .0044895 | -.007520 | -.013777 | -.010353 | -.004207 | 231.5563 | .0006588 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0000699 | -.000934 | .0347049 | .0237844 | .0001818 | .0027498 | .1481860 |
| Stddev | .0000371 | .000173 | .0026683 | .0004682 | .0003572 | .0006333 | .0068970 |
| %RSD | 53.12669 | 18.52870 | 7.688582 | 1.968570 | 196.4942 | 23.03224 | 4.654298 |
| #1 | .0000940 | -.001133 | .0377505 | .0234195 | .0000773 | .0025208 | .1528574 |
| #2 | .0000271 | -.000853 | .0327781 | .0243124 | -.000112 | .0034658 | .1402644 |
| #3 | .0000886 | -.000817 | .0335862 | .0236214 | .000580 | .0022629 | .1514362 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0007613 | .0079925 | .0123193 | .0001785 | .3078832 | -.001151 | -.003376 |
| Stddev | .0004765 | .0055029 | .0006953 | .0002933 | .0797989 | .000692 | .001149 |
| %RSD | 62.58278 | 68.85030 | 5.643587 | 164.3394 | 25.91856 | 60.11525 | 34.02980 |
| #1 | .0003475 | .0086834 | .0130218 | .0003886 | .2776409 | -.001898 | -.002106 |
| #2 | .0012822 | .0131173 | .0123048 | .0003033 | .2476259 | -.001027 | -.004343 |
| #3 | .0006542 | .0021768 | .0116315 | -.000157 | .3983828 | -.000530 | -.003679 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.150686 | .0011692 | .0011029 | .0030377 | -.013013 | .0036890 | -.001700 |
| Stddev | .056031 | .0008966 | .0011165 | .0007070 | .002644 | .0007140 | .001126 |
| %RSD | 37.18394 | 76.68448 | 101.2266 | 23.27367 | 20.31763 | 19.35498 | 66.25052 |
| #1 | -.215081 | .0022019 | .0019071 | .0038494 | -.010707 | .0029116 | -.001501 |
| #2 | -.113059 | .0007161 | -.000172 | .0025563 | -.012432 | .0038398 | -.002912 |
| #3 | -.123919 | .0005896 | .001574 | .0027074 | -.015898 | .0043156 | -.000686 |

Sample Name: AL 250PPM  Acquired: 1/4/2017 16:53:29  Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728)  Mode: CONC  Corr. Factor: 1.000000
User: JASWAL  Custom ID1: ICF STUDY  Custom ID2:  Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | .0035507 | .0003424 | .0001343 |
| Stddev | .0006792 | .0001916 | .0000238 |
| %RSD | 19.12727 | 55.94288 | 17.74052 |
| | | | |
| #1 | .0028591 | .0002162 | .0001295 |
| #2 | .0042166 | .0005628 | .0001132 |
| #3 | .0035763 | .0002482 | .0001602 |

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 60.60937 | 1898.240 | 59802.62 | 10451.52 | 2341.521 |
| Stddev | .34989 | 64.085 | 226.02 | 27.38 | 82.211 |
| %RSD | .5772874 | 3.376004 | .3779433 | .2619333 | 3.511026 |
| | | | | | |
| #1 | 60.56500 | 1860.097 | 59688.10 | 10424.28 | 2290.091 |
| #2 | 60.28378 | 1862.397 | 59656.77 | 10451.26 | 2298.136 |
| #3 | 60.97932 | 1972.227 | 60062.97 | 10479.03 | 2436.337 |

Sample Name: MN 50PPM  Acquired: 1/4/2017 17:01:53  Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728)  Mode: CONC  Corr. Factor: 1.000000
User: JASWAL  Custom ID1: ICF STUDY  Custom ID2:  Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0013615 | .0356713 | .0046947 | .0189717 | -.002290 | .0335631 |
| Stddev | .0060895 | .0035594 | .0017309 | .0072059 | .000650 | .0058138 |
| %RSD | 447.2620 | 9.978333 | 36.86877 | 37.98252 | 28.39586 | 17.32201 |
| #1 | -.005629 | .0397372 | .0066647 | .0160334 | -.003028 | .0288296 |
| #2 | .005516 | .0341588 | .0034174 | .0136992 | -.001803 | .0318073 |
| #3 | .004198 | .0331179 | .0040022 | .0271825 | -.002039 | .0400524 |

| Elem | Ba4934 | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.000606 | -.002198 | -.000081 | .0839633 | .0038771 | .0000329 |
| Stddev | .000662 | .000064 | .000039 | .0125719 | .0005356 | .0003992 |
| %RSD | 109.3956 | 2.910006 | 48.75812 | 14.97309 | 13.81332 | 1214.321 |
| #1 | -.001370 | -.002251 | -.000039 | .0875495 | .0036112 | .0004337 |
| #2 | -.000210 | -.002127 | -.000117 | .0699879 | .0044936 | -.000365 |
| #3 | -.000237 | -.002216 | -.000087 | .0943524 | .0035265 | .000030 |

| Elem | Cu3247 | Fe2598 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0030772 | .0808439 | F 50.93636 | -.170906 | .0012799 | .0078987 |
| Stddev | .0018686 | .0010453 | .11426 | .012281 | .0003267 | .0006027 |
| %RSD | 60.72518 | 1.292943 | .2243223 | 7.185736 | 25.52394 | 7.630144 |
| #1 | .0016837 | .0805231 | 50.84040 | -.167083 | .0009182 | .0079102 |
| #2 | .0023473 | .0820120 | 50.90591 | -.160992 | .0015535 | .0084955 |
| #3 | .0052006 | .0799967 | 51.06276 | -.184644 | .0013679 | .0072903 |

| Elem | Na8183 | V_2924 | Zn2138 | K_7698 | P_1774 | B_2496 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .2998898 | -.101118 | -.004146 | -.331010 | -.026472 | -.003434 |
| Stddev | .0472049 | .003837 | .002166 | .024313 | .004684 | .000799 |
| %RSD | 15.74073 | 3.795047 | 52.25488 | 7.345170 | 17.69516 | 23.26027 |
| #1 | .2902690 | -.097722 | -.006063 | -.305489 | -.031686 | -.003838 |
| #2 | .3511640 | -.100351 | -.004579 | -.333640 | -.022621 | -.003950 |
| #3 | .2582365 | -.105281 | -.001796 | -.353902 | -.025108 | -.002514 |

Sample Name: MN 50PPM  Acquired: 1/4/2017 17:01:53  Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728)  Mode: CONC  Corr. Factor: 1.000000
User: JASWAL  Custom ID1: ICF STUDY  Custom ID2:  Custom ID3:
Comment:

| Elem | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.002060 | .1706849 | -.006960 | -.001412 | .0007302 | -.000644 |
| Stddev | .000841 | .0075588 | .001130 | .002250 | .0002568 | .000300 |
| %RSD | 40.81148 | 4.428532 | 16.23209 | 159.3242 | 35.17201 | 46.62882 |
| #1 | -.001090 | .1655426 | -.007038 | -.001817 | .0006220 | -.000582 |
| #2 | -.002578 | .1671485 | -.008048 | -.003432 | .0005452 | -.000379 |
| #3 | -.002513 | .1793637 | -.005793 | .001013 | .0010234 | -.000970 |

| Elem | Sr4077 |
|---|---|
| Units | ppm |
| Avg | -.000041 |
| Stddev | .000048 |
| %RSD | 116.1412 |
| #1 | -.000001 |
| #2 | -.000028 |
| #3 | -.000094 |

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 60.84358 | 1891.240 | 63183.02 | 10225.12 | 2495.771 |
| Stddev | .75648 | 32.535 | 350.77 | 54.61 | 43.713 |
| %RSD | 1.243323 | 1.720311 | .5551646 | .5341043 | 1.751482 |
| #1 | 59.99668 | 1862.027 | 62918.72 | 10274.00 | 2457.228 |
| #2 | 61.45231 | 1926.303 | 63049.37 | 10235.18 | 2543.267 |
| #3 | 61.08176 | 1885.390 | 63580.97 | 10166.18 | 2486.816 |

Sample Name: V 50PPM  Acquired: 1/4/2017 17:06:01  Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728)  Mode: CONC  Corr. Factor: 1.000000
User: JASWAL  Custom ID1: ICF STUDY  Custom ID2:  Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0074357 | F -1.99195 | -.004973 | -.003569 | -.099456 | -.002845 |
| Stddev | .0069954 | .00672 | .002472 | .005006 | .003262 | .004976 |
| %RSD | 94.07889 | .3373367 | 49.70408 | 140.2461 | 3.280022 | 174.9248 |
| #1 | .0065388 | -1.98620 | -.002154 | -.004301 | -.097911 | -.004994 |
| #2 | .0009320 | -1.99031 | -.005995 | -.008168 | -.097253 | -.006386 |
| #3 | .0148363 | -1.99933 | -.006770 | .001762 | -.103203 | .002845 |

| Elem | Ba4934 | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.000185 | .0000265 | -.000130 | .0512189 | .0011259 | .0002596 |
| Stddev | .000717 | .0000895 | .000119 | .0082107 | .0003458 | .0003211 |
| %RSD | 387.7492 | 338.1988 | 91.46529 | 16.03067 | 30.70959 | 123.6839 |
| #1 | -.000592 | .0001201 | .000007 | .0568079 | .0010348 | .0002992 |
| #2 | -.000605 | -.000058 | -.000210 | .0417920 | .0008349 | -.000079 |
| #3 | .000643 | .000018 | -.000187 | .0550567 | .0015082 | .000559 |

| Elem | Cu3247 | Fe2598 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.007175 | -.008528 | -.000551 | -.026576 | -.000071 | -.027953 |
| Stddev | .002672 | .006314 | .000438 | .009698 | .000154 | .000084 |
| %RSD | 37.24596 | 74.03619 | 79.51046 | 36.49007 | 215.5085 | .2993273 |
| #1 | -.009084 | -.001407 | -.000480 | -.015745 | -.000117 | -.028008 |
| #2 | -.004121 | -.013444 | -.000153 | -.029531 | .000100 | -.027857 |
| #3 | -.008320 | -.010732 | -.001021 | -.034453 | -.000197 | -.027994 |

| Elem | Na8183 | V_2924 | Zn2138 | K_7698 | P_1774 | B_2496 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .2446885 | F 50.92420 | -.010137 | -.308026 | -.008173 | -.003235 |
| Stddev | .0566270 | .03237 | .008144 | .008707 | .002748 | .000807 |
| %RSD | 23.14248 | .0635637 | 80.33675 | 2.826754 | 33.62926 | 24.94568 |
| #1 | .2872490 | 50.96101 | -.008163 | -.317499 | -.005007 | -.004153 |
| #2 | .2663974 | 50.91141 | -.019087 | -.300373 | -.009562 | -.002637 |
| #3 | .1804191 | 50.90018 | -.003162 | -.306206 | -.009950 | -.002916 |

Sample Name: V 50PPM  Acquired: 1/4/2017 17:06:01  Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728)  Mode: CONC  Corr. Factor: 1.000000
User: JASWAL  Custom ID1: ICF STUDY  Custom ID2:  Custom ID3:
Comment:

| Elem | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.005202 | .0706282 | -.002237 | -.002775 | -.007985 | -.000927 |
| Stddev | .000307 | .0069855 | .001879 | .001855 | .001195 | .000329 |
| %RSD | 5.905893 | 9.890558 | 83.99269 | 66.85892 | 14.96432 | 35.51409 |
| #1 | -.004847 | .0669094 | -.000095 | -.004137 | -.009187 | -.000687 |
| #2 | -.005380 | .0786864 | -.003604 | -.003527 | -.007971 | -.001303 |
| #3 | -.005378 | .0662888 | -.003013 | -.000662 | -.006797 | -.000793 |

| Elem | Sr4077 |
|---|---|
| Units | ppm |
| Avg | .0000287 |
| Stddev | .0000255 |
| %RSD | 88.80138 |
| #1 | .0000465 |
| #2 | .0000401 |
| #3 | -.000000 |

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 60.63487 | 1912.476 | 64211.35 | 10382.83 | 2547.613 |
| Stddev | 1.40414 | 5.241 | 77.84 | 7.72 | 10.871 |
| %RSD | 2.315730 | .2740590 | .1212221 | .0743528 | .4267284 |
| #1 | 59.49324 | 1917.133 | 64235.21 | 10379.65 | 2557.475 |
| #2 | 60.20862 | 1913.493 | 64124.38 | 10377.22 | 2549.408 |
| #3 | 62.20274 | 1906.800 | 64274.47 | 10391.64 | 2535.956 |

Sample Name: CR 50PPM  Acquired: 1/4/2017 17:10:06  Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728)  Mode: CONC  Corr. Factor: 1.000000
User: JASWAL  Custom ID1: ICF STUDY  Custom ID2:  Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0098493 | .0147308 | -.000285 | .0033904 | .6132084 | .0079712 |
| Stddev | .0076553 | .0040643 | .001658 | .0051812 | .0008747 | .0024574 |
| %RSD | 77.72394 | 27.59069 | 581.0002 | 152.8207 | .1426346 | 30.82840 |
| #1 | .0098386 | .0154092 | -.001787 | .0008957 | .6126741 | .0061121 |
| #2 | .0175100 | .0184133 | .001493 | .0093471 | .6142178 | .0070442 |
| #3 | .0021994 | .0103700 | -.000562 | -.000072 | .6127333 | .0107572 |

| Elem | Ba4934 | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.000265 | -.000158 | -.000981 | .0089390 | F 47.49958 | -.001878 |
| Stddev | .000263 | .000083 | .000047 | .0020613 | .39308 | .000117 |
| %RSD | 99.28991 | 52.52693 | 4.803961 | 23.05933 | .8275478 | 6.253931 |
| #1 | -.000024 | -.000254 | -.001012 | .0069083 | 47.94230 | -.001956 |
| #2 | -.000545 | -.000104 | -.001005 | .0088791 | 47.19153 | -.001743 |
| #3 | -.000226 | -.000116 | -.000927 | .0110296 | 47.36492 | -.001935 |

| Elem | Cu3247 | Fe2598 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0025405 | .0036810 | -.002388 | -.020234 | .0015481 | .0007401 |
| Stddev | .0018814 | .0088896 | .000645 | .016291 | .0002349 | .0001551 |
| %RSD | 74.05534 | 241.5023 | 27.01019 | 80.51363 | 15.17603 | 20.95280 |
| #1 | .0027516 | -.005006 | -.001672 | -.008104 | .0016886 | .0009190 |
| #2 | .0005625 | .012760 | -.002568 | -.013847 | .0016789 | .0006572 |
| #3 | .0043074 | .003288 | -.002923 | -.038751 | .0012769 | .0006440 |

| Elem | Na8183 | V_2924 | Zn2138 | K_7698 | P_1774 | B_2496 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .1086513 | -.291405 | -.006037 | -.278402 | -.003943 | .0109374 |
| Stddev | .1051515 | .001964 | .000977 | .017183 | .001653 | .0009281 |
| %RSD | 96.77887 | .6738967 | 16.18811 | 6.171931 | 41.92454 | 8.485156 |
| #1 | .1177097 | -.293428 | -.006351 | -.296450 | -.005836 | .0098811 |
| #2 | -.000736 | -.291281 | -.004941 | -.276517 | -.002785 | .0116217 |
| #3 | .208981 | -.289506 | -.006818 | -.262240 | -.003207 | .0113095 |

Sample Name: CR 50PPM  Acquired: 1/4/2017 17:10:06  Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728)  Mode: CONC  Corr. Factor: 1.000000
User: JASWAL  Custom ID1: ICF STUDY  Custom ID2:  Custom ID3:
Comment:

| Elem | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0018257 | .0924496 | -.001228 | -.001088 | -.001079 | -.001043 |
| Stddev | .0001915 | .0037994 | .001602 | .002619 | .000833 | .000249 |
| %RSD | 10.48931 | 4.109746 | 130.4712 | 240.7268 | 77.19192 | 23.86465 |
| #1 | .0017322 | .0965261 | -.000195 | -.003808 | -.000497 | -.001028 |
| #2 | .0020460 | .0890070 | -.003074 | .001417 | -.002033 | -.000803 |
| #3 | .0016989 | .0918158 | -.000416 | -.000872 | -.000708 | -.001300 |

| Elem | Sr4077 |
|---|---|
| Units | ppm |
| Avg | .0001665 |
| Stddev | .0000461 |
| %RSD | 27.72576 |
| #1 | .0002165 |
| #2 | .0001574 |
| #3 | .0001255 |

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 50.34806 | 1726.458 | 63273.82 | 10264.40 | 2493.563 |
| Stddev | .20824 | 1.630 | 218.68 | 28.27 | 2.209 |
| %RSD | .4135953 | .0944176 | .3456109 | .2753731 | .0885749 |
| #1 | 50.41333 | 1727.963 | 63101.88 | 10269.45 | 2496.113 |
| #2 | 50.11500 | 1726.683 | 63519.95 | 10289.80 | 2492.322 |
| #3 | 50.51583 | 1724.727 | 63199.65 | 10233.95 | 2492.254 |

Sample Name: CO 50PPM  Acquired: 1/4/2017 17:14:21  Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728)  Mode: CONC  Corr. Factor: 1.000000
User: JASWAL  Custom ID1: ICF STUDY  Custom ID2:  Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0085614 | .1616344 | .0054577 | -.013035 | -.004841 | -.008562 |
| Stddev | .0031366 | .0024533 | .0012706 | .006092 | .002078 | .005377 |
| %RSD | 36.63630 | 1.517796 | 23.28023 | 46.73809 | 42.92438 | 62.80877 |
| #1 | .0050187 | .1613232 | .0061020 | -.018182 | -.005866 | -.003185 |
| #2 | .0096811 | .1593516 | .0039941 | -.006308 | -.002450 | -.008560 |
| #3 | .0109845 | .1642284 | .0062771 | -.014616 | -.006207 | -.013940 |

| Elem | Ba4934 | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0004030 | .0001330 | -.000214 | .0073813 | .0010145 | F 42.31170 |
| Stddev | .0004617 | .0000516 | .000049 | .0135277 | .0002275 | .09099 |
| %RSD | 114.5750 | 38.76541 | 22.76486 | 183.2704 | 22.42010 | .2150464 |
| #1 | .0009006 | .0001660 | -.000163 | .0199519 | .0011822 | 42.37217 |
| #2 | .0003201 | .0000736 | -.000261 | .0091261 | .0007556 | 42.20706 |
| #3 | -.000012 | .0001595 | -.000218 | -.006934 | .0011056 | 42.35587 |

| Elem | Cu3247 | Fe2598 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.032994 | -.011176 | -.001022 | -.038684 | -.001538 | .0004272 |
| Stddev | .000817 | .005777 | .000298 | .011594 | .000567 | .0002246 |
| %RSD | 2.477482 | 51.69212 | 29.18150 | 29.97004 | 36.88199 | 52.56559 |
| #1 | -.032147 | -.017683 | -.001175 | -.031902 | -.001401 | .0006001 |
| #2 | -.033057 | -.009194 | -.000678 | -.032079 | -.001052 | .0001734 |
| #3 | -.033778 | -.006651 | -.001212 | -.052071 | -.002161 | .0005081 |

| Elem | Na8183 | V_2924 | Zn2138 | K_7698 | P_1774 | B_2496 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .1295868 | -.000104 | -.005221 | -.337942 | -.004415 | .0791688 |
| Stddev | .0683337 | .000635 | .009230 | .040890 | .004143 | .0011319 |
| %RSD | 52.73198 | 607.7961 | 176.7894 | 12.09971 | 93.82909 | 1.429772 |
| #1 | .2037185 | -.000609 | .005409 | -.293024 | -.006215 | .0795755 |
| #2 | .0691145 | -.000312 | -.009869 | -.373002 | .000323 | .0800411 |
| #3 | .1159275 | .000608 | -.011203 | -.347801 | -.007353 | .0778897 |

Sample Name: CO 50PPM  Acquired: 1/4/2017 17:14:21  Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728)  Mode: CONC  Corr. Factor: 1.000000
User: JASWAL  Custom ID1: ICF STUDY  Custom ID2:  Custom ID3:
Comment:

| Elem | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.000280 | .0551634 | .0001709 | -.003527 | -.005886 | -.001254 |
| Stddev | .000460 | .0028135 | .0008513 | .001716 | .000332 | .000565 |
| %RSD | 164.3080 | 5.100341 | 498.0856 | 48.65890 | 5.642784 | 45.06102 |
| #1 | -.000458 | .0579617 | -.000529 | -.005461 | -.005699 | -.000923 |
| #2 | .000242 | .0523349 | -.000078 | -.002186 | -.006270 | -.001906 |
| #3 | -.000624 | .0551936 | .001119 | -.002934 | -.005690 | -.000933 |

| Elem | Sr4077 |
|---|---|
| Units | ppm |
| Avg | -.000096 |
| Stddev | .000098 |
| %RSD | 102.6073 |
| #1 | -.000126 |
| #2 | .000014 |
| #3 | -.000176 |

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 59.90389 | 1889.840 | 64366.37 | 10353.96 | 2532.172 |
| Stddev | 1.15814 | 5.884 | 58.84 | 42.03 | 5.007 |
| %RSD | 1.933326 | .3113606 | .0914085 | .4059441 | .1977228 |
| #1 | 60.81583 | 1892.742 | 64311.05 | 10305.42 | 2528.045 |
| #2 | 58.60083 | 1893.708 | 64428.19 | 10378.35 | 2537.742 |
| #3 | 60.29500 | 1883.068 | 64359.87 | 10378.10 | 2530.730 |

Sample Name: CU 50PPM  Acquired: 1/4/2017 17:18:26  Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728)  Mode: CONC  Corr. Factor: 1.000000
User: JASWAL  Custom ID1: ICF STUDY  Custom ID2:  Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0016456 | -.002593 | .0462350 | -.004101 | .0008458 | .0075864 |
| Stddev | .0128320 | .002697 | .0030565 | .000834 | .0035723 | .0041713 |
| %RSD | 779.7735 | 103.9783 | 6.610756 | 20.33072 | 422.3670 | 54.98400 |
| #1 | -.008090 | -.004770 | .0494802 | -.004088 | .0023453 | .0072742 |
| #2 | -.003160 | .000423 | .0458141 | -.004942 | -.003232 | .0119051 |
| #3 | .016187 | -.003433 | .0434108 | -.003274 | .003424 | .0035800 |

| Elem | Ba4934 | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.000171 | .0000421 | .0000146 | .0117442 | .0053319 | .0004259 |
| Stddev | .000417 | .0001422 | .0000776 | .0086202 | .0006024 | .0002516 |
| %RSD | 244.1284 | 337.5861 | 531.9501 | 73.39998 | 11.29720 | 59.07872 |
| #1 | -.000227 | .0001558 | -.000072 | .0114490 | .0060024 | .0004838 |
| #2 | -.000557 | -.000117 | .000039 | .0205083 | .0051568 | .0001504 |
| #3 | .000272 | .000088 | .000077 | .0032754 | .0048365 | .0006436 |

| Elem | Cu3247 | Fe2598 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | F 49.35386 | .0147914 | -.000353 | -.027949 | .0026734 | .0000171 |
| Stddev | .01967 | .0027003 | .000219 | .017846 | .0002022 | .0002969 |
| %RSD | .0398621 | 18.25585 | 62.00501 | 63.85334 | 7.562327 | 1736.919 |
| #1 | 49.34792 | .0141933 | -.000519 | -.046599 | .0024419 | -.000157 |
| #2 | 49.33784 | .0124404 | -.000434 | -.026212 | .0028149 | .000360 |
| #3 | 49.37581 | .0177407 | -.000105 | -.011034 | .0027635 | -.000152 |

| Elem | Na8183 | V_2924 | Zn2138 | K_7698 | P_1774 | B_2496 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .2380441 | -.004264 | .0237672 | -.317662 | -.089535 | -.001646 |
| Stddev | .0504474 | .001464 | .0046065 | .045525 | .008524 | .000652 |
| %RSD | 21.19245 | 34.33861 | 19.38168 | 14.33141 | 9.520820 | 39.59209 |
| #1 | .2937884 | -.003952 | .0188922 | -.288911 | -.088669 | -.001058 |
| #2 | .2248132 | -.002981 | .0280475 | -.293925 | -.098459 | -.002347 |
| #3 | .1955307 | -.005859 | .0243618 | -.370151 | -.081476 | -.001534 |

Sample Name: CU 50PPM  Acquired: 1/4/2017 17:18:26  Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728)  Mode: CONC  Corr. Factor: 1.000000
User: JASWAL  Custom ID1: ICF STUDY  Custom ID2:  Custom ID3:
Comment:

| Elem | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0008025 | .0807477 | .0002303 | -.003495 | .0001077 | -.000159 |
| Stddev | .0005719 | .0072721 | .0017735 | .001384 | .0002022 | .000209 |
| %RSD | 71.26417 | 9.005895 | 769.9792 | 39.58735 | 187.6899 | 131.8280 |
| | | | | | | |
| #1 | .0014293 | .0814845 | .0020029 | -.004952 | .0002546 | -.000399 |
| #2 | .0003092 | .0731353 | -.001544 | -.002199 | -.000123 | -.000013 |
| #3 | .0006688 | .0876233 | .000232 | -.003334 | .000191 | -.000064 |

| Elem | Sr4077 |
|---|---|
| Units | ppm |
| Avg | .0002295 |
| Stddev | .0000310 |
| %RSD | 13.52256 |
| | |
| #1 | .0001952 |
| #2 | .0002556 |
| #3 | .0002377 |

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 58.58793 | 1880.289 | 63183.76 | 10257.28 | 2507.965 |
| Stddev | .96053 | 36.085 | 93.81 | 31.58 | 46.722 |
| %RSD | 1.639465 | 1.919134 | .1484666 | .3078584 | 1.862934 |
| | | | | | |
| #1 | 59.50767 | 1857.353 | 63285.46 | 10290.71 | 2482.017 |
| #2 | 57.59125 | 1921.883 | 63165.20 | 10253.17 | 2561.902 |
| #3 | 58.66487 | 1861.630 | 63100.63 | 10227.96 | 2479.976 |

Sample Name: NI 50PPM  Acquired: 1/4/2017 17:22:33  Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728)  Mode: CONC  Corr. Factor: 1.000000
User: JASWAL  Custom ID1: ICF STUDY  Custom ID2:  Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0100950 | .0038420 | .0086538 | -.008272 | -.019990 | -.005138 |
| Stddev | .0080937 | .0024474 | .0025195 | .004012 | .002633 | .003037 |
| %RSD | 80.17569 | 63.70060 | 29.11447 | 48.49787 | 13.17384 | 59.11680 |
| #1 | .0141984 | .0020856 | .0096381 | -.005101 | -.018319 | -.002441 |
| #2 | .0007714 | .0066375 | .0057907 | -.012783 | -.023026 | -.004545 |
| #3 | .0153151 | .0028030 | .0105326 | -.006933 | -.018625 | -.008428 |

| Elem | Ba4934 | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.000275 | -.000483 | -.000180 | .0642253 | .0005669 | .0065117 |
| Stddev | .000243 | .000102 | .000087 | .0071275 | .0002205 | .0002518 |
| %RSD | 88.48365 | 21.03073 | 48.44504 | 11.09773 | 38.90368 | 3.867273 |
| #1 | -.000544 | -.000444 | -.000279 | .0655339 | .0006970 | .0066963 |
| #2 | -.000207 | -.000406 | -.000115 | .0706078 | .0006915 | .0062248 |
| #3 | -.000073 | -.000598 | -.000146 | .0565341 | .0003123 | .0066139 |

| Elem | Cu3247 | Fe2598 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0023393 | -.013888 | -.001001 | -.022653 | F 42.63082 | .0002655 |
| Stddev | .0023061 | .003907 | .000110 | .011666 | .16401 | .0002044 |
| %RSD | 98.58277 | 28.13134 | 11.00213 | 51.49559 | .3847246 | 76.98452 |
| #1 | .0046865 | -.018347 | -.001078 | -.036073 | 42.49599 | .0004388 |
| #2 | .0000765 | -.012253 | -.000875 | -.016958 | 42.58306 | .0003178 |
| #3 | .0022548 | -.011065 | -.001051 | -.014930 | 42.81341 | .0000401 |

| Elem | Na8183 | V_2924 | Zn2138 | K_7698 | P_1774 | B_2496 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .2494774 | -.002242 | .2107381 | -.290611 | .0666012 | -.002333 |
| Stddev | .1120180 | .001259 | .0065000 | .022700 | .0006820 | .000854 |
| %RSD | 44.90106 | 56.14443 | 3.084399 | 7.811183 | 1.023941 | 36.61834 |
| #1 | .3525552 | -.003695 | .2159421 | -.306420 | .0673857 | -.001941 |
| #2 | .2656085 | -.001486 | .2034522 | -.300813 | .0662679 | -.003313 |
| #3 | .1302683 | -.001545 | .2128200 | -.264600 | .0661499 | -.001746 |

Sample Name: NI 50PPM  Acquired: 1/4/2017 17:22:33  Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728)  Mode: CONC  Corr. Factor: 1.000000
User: JASWAL  Custom ID1: ICF STUDY  Custom ID2:  Custom ID3:
Comment:

| Elem | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.000322 | -.001418 | -.000338 | -.004610 | -.031812 | -.000479 |
| Stddev | .000246 | .005126 | .001696 | .000619 | .000485 | .000745 |
| %RSD | 76.56435 | 361.4242 | 501.7492 | 13.42840 | 1.523237 | 155.5564 |
| #1 | -.000186 | -.005661 | .000111 | -.005233 | -.032006 | -.000870 |
| #2 | -.000173 | -.002872 | .001088 | -.004601 | -.032169 | .000380 |
| #3 | -.000606 | .004278 | -.002213 | -.003995 | -.031260 | -.000947 |

| Elem | Sr4077 |
|---|---|
| Units | ppm |
| Avg | .0000147 |
| Stddev | .0000361 |
| %RSD | 245.2409 |
| #1 | .0000148 |
| #2 | -.000021 |
| #3 | .000051 |

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 60.70556 | 1901.710 | 64259.72 | 10394.70 | 2543.356 |
| Stddev | 1.37730 | 3.753 | 69.27 | 7.29 | 6.353 |
| %RSD | 2.268818 | .1973278 | .1077908 | .0701081 | .2497905 |
| #1 | 59.17500 | 1897.610 | 64338.19 | 10402.48 | 2544.484 |
| #2 | 61.84500 | 1904.974 | 64233.89 | 10393.60 | 2549.070 |
| #3 | 61.09667 | 1902.545 | 64207.08 | 10388.03 | 2536.515 |

Sample Name: ZN 50PPM  Acquired: 1/4/2017 17:26:39  Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728)  Mode: CONC  Corr. Factor: 1.000000
User: JASWAL  Custom ID1: ICF STUDY  Custom ID2:  Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.010541 | -.001750 | .0003573 | -.000705 | -.004934 | .0011913 |
| Stddev | .005557 | .002925 | .0019303 | .005030 | .004918 | .0058515 |
| %RSD | 52.71845 | 167.1163 | 540.1856 | 713.3158 | 99.65866 | 491.1823 |
| #1 | -.016957 | -.005065 | -.000474 | .001102 | -.008423 | .0056029 |
| #2 | -.007382 | -.000659 | -.001018 | -.006389 | .000690 | .0034177 |
| #3 | -.007283 | .000472 | .002564 | .003172 | -.007070 | -.005447 |

| Elem | Ba4934 | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.000048 | .0000626 | -.000117 | .0046877 | .0007564 | -.000073 |
| Stddev | .000488 | .0000888 | .000009 | .0065096 | .0000956 | .000100 |
| %RSD | 1016.464 | 141.7835 | 7.440750 | 138.8640 | 12.63708 | 137.8826 |
| #1 | -.000520 | .0000836 | -.000118 | .0121456 | .0007973 | -.000161 |
| #2 | .000455 | .0001389 | -.000108 | .0001472 | .0006471 | -.000093 |
| #3 | -.000079 | -.000035 | -.000126 | .0017703 | .0008247 | .000036 |

| Elem | Cu3247 | Fe2598 | Mn2576 | Mg2790 | Ni2316 | Ag3280 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0026929 | -.004139 | -.000834 | -.006841 | -.000205 | .0005291 |
| Stddev | .0019166 | .003654 | .000359 | .016403 | .000480 | .0002608 |
| %RSD | 71.17289 | 88.28314 | 43.03173 | 239.7794 | 234.5782 | 49.27977 |
| #1 | .0038030 | -.008019 | -.000947 | .002630 | -.000462 | .0003412 |
| #2 | .0004798 | -.000763 | -.001122 | .002629 | .000349 | .0004193 |
| #3 | .0037958 | -.003635 | -.000432 | -.025782 | -.000501 | .0008268 |

| Elem | Na8183 | V_2924 | Zn2138 | K_7698 | P_1774 | B_2496 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .1900663 | -.001632 | F 42.38040 | -.322970 | -.002782 | -.001115 |
| Stddev | .1580373 | .002264 | 1.15088 | .015045 | .007974 | .000788 |
| %RSD | 83.14850 | 138.7609 | 2.715591 | 4.658209 | 286.5828 | 70.69595 |
| #1 | .0952215 | -.002697 | 41.10155 | -.321840 | -.011954 | -.001507 |
| #2 | .1024735 | -.003167 | 43.33277 | -.338547 | .002505 | -.001631 |
| #3 | .3725041 | .000969 | 42.70689 | -.308521 | .001102 | -.000208 |

Sample Name: ZN 50PPM  Acquired: 1/4/2017 17:26:39  Type: Unk
Method: ISM02.2  INSTRUMENT  P5 WITH 6 POINT ICAL(v728)  Mode: CONC  Corr. Factor: 1.000000
User: JASWAL  Custom ID1: ICF STUDY  Custom ID2:  Custom ID3:
Comment:

| Elem | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Li6707 |
|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.000423 | .0588534 | .0035652 | -.001042 | .0006612 | -.000557 |
| Stddev | .000370 | .0056757 | .0005886 | .002298 | .0005052 | .000818 |
| %RSD | 87.53120 | 9.643762 | 16.51017 | 220.5690 | 76.40761 | 146.7337 |
| #1 | -.000438 | .0544780 | .0033015 | .000984 | .0012072 | -.000169 |
| #2 | -.000045 | .0652666 | .0031547 | -.000571 | .0005660 | -.000006 |
| #3 | -.000785 | .0568156 | .0042396 | -.003540 | .0002104 | -.001497 |

| Elem | Sr4077 |
|---|---|
| Units | ppm |
| Avg | .0000134 |
| Stddev | .0000331 |
| %RSD | 247.2181 |
| #1 | .0000458 |
| #2 | .0000149 |
| #3 | -.000020 |

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 59.94167 | 1883.977 | 63563.65 | 10165.07 | 2516.484 |
| Stddev | 1.63679 | 6.101 | 161.15 | 29.77 | 7.270 |
| %RSD | 2.730631 | .3238123 | .2535203 | .2928715 | .2888970 |
| #1 | 61.79500 | 1888.923 | 63749.40 | 10180.48 | 2520.859 |
| #2 | 58.69417 | 1885.847 | 63480.30 | 10183.98 | 2520.500 |
| #3 | 59.33583 | 1877.160 | 63461.25 | 10130.75 | 2508.091 |

Sample Name: PB 50PPM  Acquired: 1/4/2017 17:30:46  Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728)  Mode: CONC  Corr. Factor: 1.000000
User: JASWAL  Custom ID1: ICF STUDY  Custom ID2:  Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0108103 | -.004290 | 44.96172 | -.010773 | -.003673 | -.002729 | .0005982 |
| Stddev | .0080324 | .002001 | .20384 | .006312 | .002260 | .000957 | .0002582 |
| %RSD | 74.30265 | 46.64000 | .4533664 | 58.58944 | 61.53937 | 35.08119 | 43.16365 |
| #1 | .0045529 | -.006145 | 45.10754 | -.008415 | -.005108 | -.003661 | .0007878 |
| #2 | .0080101 | -.002170 | 44.72879 | -.017925 | -.001067 | -.002777 | .0003041 |
| #3 | .0198679 | -.004555 | 45.04881 | -.005980 | -.004845 | -.001749 | .0007026 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0000213 | -.000035 | .0251113 | .0024268 | .0004160 | .0039790 | -.000198 |
| Stddev | .0000917 | .000130 | .0024138 | .0001912 | .0000506 | .0024989 | .012799 |
| %RSD | 429.9044 | 376.0242 | 9.612496 | 7.877474 | 12.17616 | 62.80083 | 6474.989 |
| #1 | .0000396 | .000051 | .0238705 | .0024119 | .0004562 | .0026346 | -.004928 |
| #2 | .0001025 | .000029 | .0235703 | .0026249 | .0003591 | .0068623 | .014293 |
| #3 | -.000078 | -.000184 | .0278932 | .0022434 | .0004326 | .0024402 | -.009958 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.000343 | -.005963 | .0007409 | .0003995 | .1355737 | -.002058 | -.001000 |
| Stddev | .000285 | .029635 | .0002060 | .0002357 | .1501942 | .000921 | .010579 |
| %RSD | 83.07623 | 496.9987 | 27.80476 | 58.99779 | 110.7841 | 44.76798 | 1057.435 |
| #1 | -.000668 | -.023527 | .0008982 | .0006565 | .2417696 | -.001485 | .008379 |
| #2 | -.000135 | -.022614 | .0008167 | .0001936 | -.036268 | -.003121 | -.012468 |
| #3 | -.000227 | .028253 | .0005077 | .0003483 | .201220 | -.001568 | .001087 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.322892 | -.000276 | -.000201 | .0003037 | .0088113 | .0006353 | -.001964 |
| Stddev | .040836 | .003337 | .000405 | .0005700 | .0070814 | .0007265 | .001315 |
| %RSD | 12.64689 | 1208.551 | 201.4174 | 187.6893 | 80.36734 | 114.3537 | 66.97488 |
| #1 | -.308884 | .002341 | -.000665 | -.000354 | .0169021 | -.000190 | -.003433 |
| #2 | -.290904 | .000865 | .000085 | .000611 | .0037406 | .001178 | -.000894 |
| #3 | -.368888 | -.004034 | -.000023 | .000654 | .0057913 | .000918 | -.001566 |

Sample Name: PB 50PPM  Acquired: 1/4/2017 17:30:46  Type: Unk
Method: ISM02.2  INSTRUMENT  P5 WITH 6 POINT ICAL(v728)  Mode: CONC  Corr. Factor: 1.000000
User: JASWAL  Custom ID1: ICF STUDY  Custom ID2:  Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | .0009224 | -.000681 | .0004675 |
| Stddev | .0007822 | .000326 | .0000111 |
| %RSD | 84.80117 | 47.78934 | 2.375400 |
| | | | |
| #1 | .0004901 | -.000774 | .0004548 |
| #2 | .0018253 | -.000950 | .0004719 |
| #3 | .0004518 | -.000319 | .0004756 |

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 59.14333 | 1895.294 | 63699.03 | 10224.83 | 2523.703 |
| Stddev | .18604 | 5.391 | 254.52 | 22.67 | 8.510 |
| %RSD | .3145494 | .2844521 | .3995591 | .2217480 | .3371916 |
| | | | | | |
| #1 | 58.98000 | 1891.214 | 63449.17 | 10198.90 | 2517.698 |
| #2 | 59.34583 | 1901.406 | 63689.95 | 10234.63 | 2533.441 |
| #3 | 59.10417 | 1893.262 | 63957.96 | 10240.95 | 2519.970 |

Sample Name: TI 50PPM  Acquired: 1/4/2017 17:34:53  Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728)  Mode: CONC  Corr. Factor: 1.000000
User: JASWAL  Custom ID1: ICF STUDY  Custom ID2:  Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0089975 | -.101888 | -.010250 | -.001203 | .0112297 | -.002037 | -.004309 |
| Stddev | .0066411 | .003649 | .000709 | .005501 | .0046155 | .003189 | .000305 |
| %RSD | 73.81085 | 3.580913 | 6.918549 | 457.1816 | 41.10130 | 156.5222 | 7.067969 |
| #1 | .0087765 | -.101832 | -.009448 | -.004915 | .0137745 | -.003201 | -.004654 |
| #2 | .0024696 | -.098268 | -.010793 | -.003811 | .0140126 | -.004481 | -.004195 |
| #3 | .0157463 | -.105564 | -.010509 | .005116 | .0059019 | .001570 | -.004078 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.000034 | .0000047 | .0003625 | .0012331 | .0911242 | -.002310 | -.014207 |
| Stddev | .000109 | .0001378 | .0063932 | .0003986 | .0002737 | .000361 | .017013 |
| %RSD | 323.9993 | 2940.051 | 1763.654 | 32.32807 | .3004070 | 15.62336 | 119.7515 |
| #1 | -.000061 | .0001584 | .0072015 | .0016908 | .0911950 | -.002629 | -.031262 |
| #2 | -.000127 | -.000036 | -.005464 | .0010462 | .0908221 | -.002384 | -.014123 |
| #3 | .000087 | -.000108 | -.000650 | .0009622 | .0913556 | -.001918 | .002764 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.000858 | -.059530 | .0001708 | -.005901 | .1687264 | .0228394 | -.009365 |
| Stddev | .000295 | .004554 | .0003425 | .000228 | .0232207 | .0033854 | .001988 |
| %RSD | 34.33060 | 7.649875 | 200.4536 | 3.865247 | 13.76234 | 14.82243 | 21.22488 |
| #1 | -.000798 | -.054782 | -.000168 | -.005682 | .1419351 | .0195321 | -.011073 |
| #2 | -.000599 | -.059948 | .000517 | -.005885 | .1830548 | .0262978 | -.007183 |
| #3 | -.001179 | -.063861 | .000163 | -.006137 | .1811892 | .0226884 | -.009839 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.375699 | -.001238 | -.000141 | -.000092 | .0226101 | .1216342 | -.045165 |
| Stddev | .011571 | .005023 | .000527 | .000467 | .0039832 | .0052775 | .001304 |
| %RSD | 3.079943 | 405.6068 | 372.6907 | 506.6406 | 17.61700 | 4.338829 | 2.887085 |
| #1 | -.385779 | -.005969 | -.000653 | -.000631 | .0261709 | .1156810 | -.044467 |
| #2 | -.363063 | .004033 | .000399 | .000154 | .0233510 | .1234831 | -.044360 |
| #3 | -.378255 | -.001778 | -.000170 | .000201 | .0183085 | .1257385 | -.046670 |

Sample Name: TI 50PPM  Acquired: 1/4/2017 17:34:53  Type: Unk
Method: ISM02.2  INSTRUMENT  P5 WITH 6 POINT ICAL(v728)  Mode: CONC  Corr. Factor: 1.000000
User: JASWAL  Custom ID1: ICF STUDY  Custom ID2:  Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 48.47426 | -.001553 | -.000022 |
| Stddev | .11252 | .000129 | .000044 |
| %RSD | .2321304 | 8.334441 | 205.7301 |
| | | | |
| #1 | 48.39036 | -.001431 | -.000065 |
| #2 | 48.60213 | -.001689 | .000023 |
| #3 | 48.43029 | -.001540 | -.000022 |

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 61.11131 | 1922.323 | 64844.65 | 10447.70 | 2540.822 |
| Stddev | .50530 | 2.760 | 158.18 | 47.67 | 4.098 |
| %RSD | .8268478 | .1435519 | .2439436 | .4562954 | .1612889 |
| | | | | | |
| #1 | 61.61136 | 1924.237 | 64679.42 | 10445.51 | 2544.765 |
| #2 | 61.12164 | 1923.573 | 64859.84 | 10401.16 | 2541.116 |
| #3 | 60.60092 | 1919.160 | 64994.69 | 10496.43 | 2536.585 |

Sample Name: MO 50PPM  Acquired: 1/4/2017 17:39:02  Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728)  Mode: CONC  Corr. Factor: 1.000000
User: JASWAL  Custom ID1: ICF STUDY  Custom ID2:  Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0797078 | .0042239 | -.053543 | -.003278 | -.052559 | 1.545969 | -.000408 |
| Stddev | .0039524 | .0011721 | .001324 | .003779 | .002132 | .016435 | .000274 |
| %RSD | 4.958548 | 27.74880 | 2.472164 | 115.2936 | 4.057321 | 1.063064 | 67.03719 |
| #1 | .0757789 | .0037356 | -.053472 | -.007635 | -.054975 | 1.559653 | -.000468 |
| #2 | .0836832 | .0055612 | -.052256 | -.001309 | -.051762 | 1.550515 | -.000648 |
| #3 | .0796613 | .0033749 | -.054900 | -.000890 | -.050940 | 1.527740 | -.000110 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.015180 | -.000894 | .0043946 | -.000750 | -.041946 | .0099806 | -.005660 |
| Stddev | .000273 | .000185 | .0016466 | .000337 | .000141 | .0018403 | .010601 |
| %RSD | 1.799318 | 20.67622 | 37.46803 | 44.94331 | .3353416 | 18.43867 | 187.2869 |
| #1 | -.015238 | -.000834 | .0025101 | -.001133 | -.042087 | .0086512 | .005699 |
| #2 | -.015419 | -.001101 | .0055550 | -.000614 | -.041947 | .0120810 | -.015291 |
| #3 | -.014882 | -.000746 | .0051189 | -.000501 | -.041806 | .0092096 | -.007389 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.002258 | -.231824 | -.000494 | -.002097 | .2704121 | -.006115 | -.000465 |
| Stddev | .000497 | .025773 | .000154 | .000218 | .1282925 | .003542 | .002237 |
| %RSD | 21.99455 | 11.11770 | 31.23620 | 10.38852 | 47.44335 | 57.91763 | 481.2453 |
| #1 | -.002828 | -.202197 | -.000588 | -.001879 | .3115903 | -.008318 | .002068 |
| #2 | -.002030 | -.244196 | -.000316 | -.002315 | .1265864 | -.007998 | -.001290 |
| #3 | -.001916 | -.249079 | -.000578 | -.002096 | .3730595 | -.002030 | -.002173 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.321491 | -.004162 | -.027781 | 45.26125 | -.163534 | .3711419 | -.002420 |
| Stddev | .038963 | .003439 | .001426 | .05866 | .005238 | .0028936 | .001949 |
| %RSD | 12.11948 | 82.61927 | 5.132399 | .1296064 | 3.202862 | .7796578 | 80.51793 |
| #1 | -.299502 | -.003942 | -.029395 | 45.19592 | -.160411 | .3733093 | -.000287 |
| #2 | -.298493 | -.007706 | -.027254 | 45.27839 | -.169581 | .3722605 | -.004107 |
| #3 | -.366478 | -.000839 | -.026694 | 45.30943 | -.160610 | .3678559 | -.002868 |

Sample Name: MO 50PPM  Acquired: 1/4/2017 17:39:02  Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728)  Mode: CONC  Corr. Factor: 1.000000
User: JASWAL  Custom ID1: ICF STUDY  Custom ID2:  Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | .0047044 | -.001223 | .0000412 |
| Stddev | .0004218 | .000399 | .0000336 |
| %RSD | 8.966541 | 32.59556 | 81.61832 |
| #1 | .0046371 | -.001579 | .0000077 |
| #2 | .0043203 | -.000793 | .0000749 |
| #3 | .0051559 | -.001298 | .0000409 |

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 59.67750 | 1856.661 | 64020.97 | 10324.48 | 2457.374 |
| Stddev | .96579 | .868 | 126.51 | 110.88 | 5.012 |
| %RSD | 1.618356 | .0467765 | .1976093 | 1.073976 | .2039491 |
| #1 | 58.68500 | 1857.003 | 63999.50 | 10232.67 | 2460.081 |
| #2 | 59.73333 | 1855.673 | 63906.57 | 10293.10 | 2460.450 |
| #3 | 60.61417 | 1857.306 | 64156.85 | 10447.67 | 2451.591 |

Sample Name: B 50PPM  Acquired: 1/4/2017 17:43:10  Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728)  Mode: CONC  Corr. Factor: 1.000000
User: JASWAL  Custom ID1: ICF STUDY  Custom ID2:  Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.003375 | .0012019 | .0006396 | -.000172 | -.001369 | .0019826 | .0001480 |
| Stddev | .007595 | .0021993 | .0019442 | .007440 | .001332 | .0039292 | .0002340 |
| %RSD | 225.0115 | 182.9787 | 303.9715 | 4328.577 | 97.26406 | 198.1814 | 158.1193 |
| #1 | -.008614 | .0007464 | -.000256 | -.008758 | .000163 | -.002505 | -.000119 |
| #2 | .005335 | .0035933 | -.000696 | .004365 | -.002251 | .004803 | .000244 |
| #3 | -.006847 | -.000734 | .002870 | .003877 | -.002019 | .003651 | .000319 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.000069 | -.000061 | .0106380 | .0093902 | .0001072 | .0037566 | .0371696 |
| Stddev | .000034 | .000145 | .0023139 | .0003928 | .0002853 | .0014148 | .0098698 |
| %RSD | 49.12702 | 236.8910 | 21.75160 | 4.183105 | 266.2251 | 37.66315 | 26.55354 |
| #1 | -.000106 | -.000161 | .0130615 | .0089440 | .0004164 | .0040460 | .0435983 |
| #2 | -.000042 | .000105 | .0084519 | .0095431 | .0000509 | .0050043 | .0258056 |
| #3 | -.000057 | -.000129 | .0104007 | .0096837 | -.000146 | .0022194 | .0421050 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0003440 | -.036200 | .0053682 | .0001866 | .2538540 | -.004368 | -.001870 |
| Stddev | .0007688 | .012157 | .0003671 | .0002044 | .0711209 | .001443 | .012578 |
| %RSD | 223.4650 | 33.58303 | 6.838148 | 109.4954 | 28.01647 | 33.03599 | 672.6983 |
| #1 | -.000178 | -.048041 | .0049501 | .0001155 | .3270420 | -.006017 | -.015731 |
| #2 | -.000017 | -.023749 | .0055173 | .0000274 | .2495218 | -.003755 | .008816 |
| #3 | .001227 | -.036810 | .0056374 | .0004171 | .1849982 | -.003333 | .001306 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.287879 | -.003990 | 48.45084 | .0044440 | .0293537 | -.095826 | .0003491 |
| Stddev | .016392 | .005668 | .28910 | .0007214 | .0010160 | .000244 | .0012421 |
| %RSD | 5.694174 | 142.0572 | .5966849 | 16.23205 | 3.461084 | .2541581 | 355.8378 |
| #1 | -.280337 | -.006113 | 48.63930 | .0051945 | .0282166 | -.095606 | .0015876 |
| #2 | -.276616 | -.008289 | 48.59524 | .0043817 | .0296720 | -.095783 | .0003560 |
| #3 | -.306685 | .002433 | 48.11799 | .0037558 | .0301723 | -.096088 | -.000896 |

Sample Name: B 50PPM  Acquired: 1/4/2017 17:43:10  Type: Unk
Method: ISM02.2  INSTRUMENT  P5 WITH 6 POINT ICAL(v728)  Mode: CONC  Corr. Factor: 1.000000
User: JASWAL  Custom ID1: ICF STUDY  Custom ID2:  Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | .0006835 | -.000128 | .0000015 |
| Stddev | .0003054 | .000511 | .0000196 |
| %RSD | 44.67862 | 399.0512 | 1348.640 |
| | | | |
| #1 | .0003734 | -.000715 | -.000020 |
| #2 | .0009839 | .000110 | .000019 |
| #3 | .0006932 | .000220 | .000005 |

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 59.90917 | 1895.837 | 63771.93 | 10327.74 | 2516.161 |
| Stddev | 1.33880 | 2.376 | 51.70 | 82.92 | .934 |
| %RSD | 2.234719 | .1253242 | .0810737 | .8028637 | .0371348 |
| | | | | | |
| #1 | 59.12250 | 1896.547 | 63714.75 | 10281.17 | 2516.260 |
| #2 | 59.15000 | 1897.777 | 63785.65 | 10278.57 | 2517.043 |
| #3 | 61.45500 | 1893.187 | 63815.38 | 10423.48 | 2515.182 |

Sample Name: CCV009 Acquired: 1/4/2017 17:51:24 Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728) Mode: CONC Corr. Factor: 1.000000
User: JASWAL Custom ID1: CCV009 Custom ID2: Custom ID3:
Comment:

| Elem | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 4.906749 | 4.751289 | 24.12230 | 4.954970 | 5.041077 | 394.2682 | 10.04471 |
| Stddev | .022802 | .005359 | .10524 | .015202 | .028535 | .5814 | .06700 |
| %RSD | .4647052 | .1127990 | .4362809 | .3067969 | .5660410 | .1474554 | .6669848 |
| #1 | 4.894302 | 4.747776 | 24.04791 | 4.938034 | 5.022849 | 394.8619 | 9.99175 |
| #2 | 4.892880 | 4.748634 | 24.07629 | 4.959443 | 5.026420 | 393.7000 | 10.02236 |
| #3 | 4.933066 | 4.757458 | 24.24271 | 4.967433 | 5.073961 | 394.2426 | 10.12003 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .4951214 | 2.443848 | 389.2040 | 15.11731 | 2.440304 | 15.12264 | 395.4759 |
| Stddev | .0006176 | .008724 | 1.1045 | .02886 | .013607 | .02664 | 1.1603 |
| %RSD | .1247421 | .3569871 | .2837930 | .1909234 | .5576072 | .1761385 | .2933900 |
| #1 | .4946667 | 2.438957 | 389.3633 | 15.08493 | 2.431450 | 15.15300 | 395.5917 |
| #2 | .4948729 | 2.438665 | 388.0285 | 15.14035 | 2.433490 | 15.10319 | 394.2620 |
| #3 | .4958245 | 2.453920 | 390.2202 | 15.12664 | 2.455972 | 15.11174 | 396.5739 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 14.64083 | 386.2760 | 2.446426 | 1.214740 | 380.9806 | 2.502024 | 14.57339 |
| Stddev | .04051 | 1.1376 | .014469 | .003374 | 1.1579 | .011978 | .28927 |
| %RSD | .2767118 | .2944921 | .5914220 | .2777855 | .3039225 | .4787334 | 1.984901 |
| #1 | 14.64455 | 385.6748 | 2.433799 | 1.211523 | 381.7169 | 2.510258 | 14.37930 |
| #2 | 14.59859 | 385.5651 | 2.443265 | 1.214446 | 379.6460 | 2.488283 | 14.90586 |
| #3 | 14.67935 | 387.5880 | 2.462214 | 1.218252 | 381.5790 | 2.507531 | 14.43502 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | 152.2067 | 4.975197 | 4.813024 | 4.850766 | 5.102581 | 4.869451 | 4.845664 |
| Stddev | .3762 | .015532 | .021681 | .018433 | .020403 | .015342 | .031016 |
| %RSD | .2471502 | .3121786 | .4504651 | .3800051 | .3998539 | .3150639 | .6400786 |
| #1 | 152.0052 | 4.968854 | 4.808979 | 4.838250 | 5.090779 | 4.870467 | 4.823136 |
| #2 | 151.9742 | 4.963842 | 4.793650 | 4.842114 | 5.090825 | 4.853626 | 4.832817 |
| #3 | 152.6407 | 4.992897 | 4.836443 | 4.871934 | 5.126141 | 4.884259 | 4.881040 |

Sample Name: CCV009 Acquired: 1/4/2017 17:51:24 Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728) Mode: CONC Corr. Factor: 1.000000
User: JASWAL Custom ID1: CCV009 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | 4.999306 | 5.101182 | 5.022865 |
| Stddev | .003076 | .011787 | .037506 |
| %RSD | .0615348 | .2310580 | .7467012 |
| #1 | 4.996288 | 5.114761 | 5.026348 |
| #2 | 5.002437 | 5.095184 | 4.983739 |
| #3 | 4.999195 | 5.093600 | 5.058508 |

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 50.99660 | 1538.328 | 52960.57 | 9569.315 | 1736.713 |
| Stddev | 1.05344 | 8.390 | 73.45 | 15.802 | 10.338 |
| %RSD | 2.065709 | .5454017 | .1386884 | .1651325 | .5952408 |
| #1 | 51.78000 | 1543.426 | 53008.07 | 9560.700 | 1743.709 |
| #2 | 49.79902 | 1542.913 | 52875.97 | 9587.552 | 1741.592 |
| #3 | 51.41079 | 1528.644 | 52997.68 | 9559.693 | 1724.839 |

Sample Name: CCB009 Acquired: 1/4/2017 18:05:18 Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728) Mode: CONC Corr. Factor: 1.000000
User: JASWAL 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 | -.002306 | -.001432 | -.000680 | -.000013 | -.002649 | -.005312 | -.000096 |
| Stddev | .008588 | .005135 | .001113 | .008737 | .001582 | .005619 | .000549 |
| %RSD | 372.3937 | 358.4878 | 163.7047 | 69460.51 | 59.71089 | 105.7889 | 569.5235 |
| #1 | -.002040 | -.007198 | -.001962 | -.000347 | -.000908 | -.011423 | -.000206 |
| #2 | .006146 | .002649 | -.000120 | .008887 | -.003043 | -.004144 | .000499 |
| #3 | -.011024 | .000252 | .000042 | -.008578 | -.003997 | -.000368 | -.000582 |

| Elem | Be2348 | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | .0000627 | -.000030 | .0073812 | -.000019 | .0000890 | .0021758 | -.015697 |
| Stddev | .0000906 | .000076 | .0014502 | .000389 | .0001355 | .0016633 | .012674 |
| %RSD | 144.5034 | 250.3378 | 19.64711 | 2082.018 | 152.3369 | 76.44607 | 80.74008 |
| #1 | .0001582 | -.000046 | .0076885 | -.000407 | .0002281 | .0009258 | -.001887 |
| #2 | .0000522 | .000052 | .0086531 | .000371 | .0000814 | .0015380 | -.018408 |
| #3 | -.000022 | -.000097 | .0058020 | -.000020 | -.000043 | .0040636 | -.026795 |

| Elem | Mn2576 | Mg2790 | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.000792 | -.043523 | -.000132 | .0003404 | .1632637 | -.005244 | -.007004 |
| Stddev | .000134 | .035493 | .000460 | .0002740 | .0306604 | .002566 | .009058 |
| %RSD | 16.96785 | 81.54971 | 349.5721 | 80.47399 | 18.77969 | 48.93639 | 129.3167 |
| #1 | -.000729 | -.004471 | .000165 | .0004233 | .1281813 | -.002707 | -.009519 |
| #2 | -.000946 | -.052280 | .000102 | .0000346 | .1766844 | -.007839 | .003045 |
| #3 | -.000700 | -.073817 | -.000661 | .0005634 | .1849255 | -.005187 | -.014539 |

| Elem | K_7698 | P_1774 | B_2496 | Mo2020 | S_1820 | Si2516 | Sn1899 |
|---|---|---|---|---|---|---|---|
| Units | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| Avg | -.249714 | -.004491 | .0090434 | .0001435 | .0057093 | .0006190 | -.003112 |
| Stddev | .011561 | .000455 | .0013480 | .0000237 | .0115795 | .0004316 | .001271 |
| %RSD | 4.629791 | 10.14021 | 14.90542 | 16.48537 | 202.8176 | 69.72548 | 40.83880 |
| #1 | -.256576 | -.004413 | .0099383 | .0001571 | .0022455 | .0009860 | -.001837 |
| #2 | -.256201 | -.004079 | .0096988 | .0001162 | -.003743 | .0001435 | -.004379 |
| #3 | -.236366 | -.004980 | .0074930 | .0001573 | .018625 | .0007273 | -.003120 |

Sample Name: CCB009 Acquired: 1/4/2017 18:05:18 Type: Unk
Method: ISM02.2 INSTRUMENT P5 WITH 6 POINT ICAL(v728) Mode: CONC Corr. Factor: 1.000000
User: JASWAL Custom ID1: CCB009 Custom ID2: Custom ID3:
Comment:

| Elem | Ti3361 | Li6707 | Sr4077 |
|---|---|---|---|
| Units | ppm | ppm | ppm |
| Avg | .0004351 | -.000217 | -.000056 |
| Stddev | .0007253 | .000060 | .000045 |
| %RSD | 166.7087 | 27.86577 | 79.05441 |
| | | | |
| #1 | -.000293 | -.000174 | -.000068 |
| #2 | .001158 | -.000191 | -.000007 |
| #3 | .000440 | -.000286 | -.000094 |

| Int. Std. | Y_2243 | Y_2243 | Y_3600 | Y_3710 | In2306 |
|---|---|---|---|---|---|
| Units | Cts/S | Cts/S | Cts/S | Cts/S | Cts/S |
| Avg | 59.36722 | 1884.261 | 63516.89 | 10099.95 | 2531.403 |
| Stddev | .57661 | 2.195 | 18.35 | 22.71 | 4.143 |
| %RSD | .9712542 | .1164788 | .0288902 | .2248957 | .1636599 |
| | | | | | |
| #1 | 58.70250 | 1883.650 | 63519.23 | 10123.28 | 2532.252 |
| #2 | 59.66667 | 1886.697 | 63497.48 | 10098.67 | 2535.056 |
| #3 | 59.73250 | 1882.437 | 63533.96 | 10077.90 | 2526.902 |