Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada

www.acmelab.com

**Client:** **Kinross Gold Corporation**
885 West Georgia St., Suite 1380
Vancouver BC V6C 3E8 Canada

| | |
|---|---|
| Submitted By: | Jean-Pierre Londero |
| Receiving Lab: | Canada-Dawson City |
| Received: | August 09, 2011 |
| Report Date: | August 29, 2011 |
| Page: | 1 of 13 |

# CERTIFICATE OF ANALYSIS DAW11000173.1

## CLIENT JOB INFORMATION

| | |
|---|---|
| Project: | TSL |
| Shipment ID: | TSL2011-08 |
| P.O. Number | |
| Number of Samples: | 336 |

## SAMPLE DISPOSAL

| | |
|---|---|
| DISP-PLP | Dispose of Pulp After 90 days |
| DISP-RJT-SOIL | Immediate Disposal of Soil Reject |

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

## SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description | Test Wgt (g) | Report Status | Lab |
|---|---|---|---|---|---|
| SS80 | 336 | Dry at 60C sieve 100g to -80 mesh | | | WHI |
| Dry at 60C | 336 | Dry at 60C | | | WHI |
| 1DX2 | 336 | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15 | Completed | VAN |

## ADDITIONAL COMMENTS

Invoice To: Kinross Gold Corporation
885 West Georgia St., Suite 1380
Vancouver BC V6C 3E8
Canada

CC: Jean-Pierre Londero

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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Project: TSL
Report Date: August 29, 2011



# CERTIFICATE OF ANALYSIS DAW11000173.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Au | Ag | Al | As | B | Ba | Bi | Ca | Cd | Co | Cr | Cu | Fe | Ga | Hg | K | La | Mg | Mn | Mo |
| | Unit | ppb | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | % | ppm | ppm |
| | MDL | 0.5 | 0.1 | 0.01 | 0.5 | 1 | 1 | 0.1 | 0.01 | 0.1 | 0.1 | 1 | 0.1 | 0.01 | 1 | 0.01 | 0.01 | 1 | 0.01 | 1 | 0.1 |
| 1090415 | Soil | 1.1 | 0.3 | 1.44 | 3.1 | 2 | 241 | 0.1 | 0.35 | 0.2 | 9.5 | 19 | 34.0 | 2.05 | 5 | 0.07 | 0.05 | 8 | 0.42 | 234 | 0.5 |
| 1090416 | Soil | 3.0 | <0.1 | 1.98 | 6.7 | 2 | 344 | 0.1 | 0.69 | 0.1 | 14.2 | 34 | 47.0 | 3.03 | 6 | 0.02 | 0.09 | 9 | 0.98 | 467 | 0.8 |
| 1090417 | Soil | 4.3 | 0.2 | 1.93 | 5.1 | 3 | 407 | 0.1 | 0.78 | 0.2 | 14.0 | 37 | 58.1 | 2.93 | 6 | 0.06 | 0.19 | 11 | 1.06 | 426 | 0.4 |
| 1090418 | Soil | 6.4 | <0.1 | 2.38 | 5.9 | 1 | 188 | <0.1 | 0.32 | 0.1 | 16.3 | 36 | 44.3 | 3.64 | 7 | 0.03 | 0.11 | 6 | 1.08 | 397 | 0.9 |
| 1090419 | Soil | 3.2 | 0.1 | 2.14 | 5.6 | <1 | 188 | 0.1 | 0.37 | <0.1 | 14.7 | 32 | 47.6 | 3.20 | 6 | 0.03 | 0.10 | 8 | 1.04 | 367 | 0.8 |
| 1090420 | Soil | 1.0 | <0.1 | 2.42 | 3.4 | 1 | 270 | <0.1 | 0.42 | <0.1 | 17.9 | 40 | 48.4 | 3.57 | 7 | 0.01 | 0.58 | 5 | 1.81 | 526 | 0.8 |
| 1090421 | Soil | 2.3 | 0.1 | 2.42 | 3.4 | <1 | 276 | <0.1 | 0.41 | <0.1 | 18.8 | 39 | 47.3 | 3.69 | 6 | 0.01 | 0.59 | 5 | 1.81 | 549 | 0.7 |
| 1090422 | Soil | 3.2 | 0.2 | 2.46 | 3.6 | 1 | 198 | <0.1 | 0.41 | <0.1 | 16.2 | 42 | 41.1 | 3.63 | 7 | 0.03 | 0.40 | 6 | 1.61 | 442 | 0.6 |
| 1090423 | Soil | 3.4 | 0.2 | 1.98 | 4.3 | 1 | 175 | <0.1 | 0.38 | <0.1 | 15.1 | 36 | 48.3 | 3.11 | 6 | 0.04 | 0.09 | 5 | 1.17 | 374 | 0.7 |
| 1090424 | Soil | 5.2 | 0.1 | 1.66 | 4.6 | <1 | 191 | <0.1 | 0.44 | 0.1 | 12.1 | 29 | 26.9 | 2.47 | 5 | 0.03 | 0.05 | 7 | 0.83 | 347 | 0.8 |
| 1090425 | Soil | <0.5 | <0.1 | 1.55 | 3.9 | <1 | 103 | <0.1 | 0.28 | <0.1 | 8.1 | 25 | 16.9 | 2.14 | 5 | 0.04 | 0.04 | 6 | 0.71 | 179 | 0.5 |
| 1090426 | Soil | 7.7 | 0.1 | 1.90 | 4.6 | 1 | 142 | 0.1 | 0.30 | <0.1 | 14.8 | 33 | 25.0 | 2.82 | 6 | 0.02 | 0.05 | 7 | 0.97 | 375 | 0.6 |
| 1090427 | Soil | 1.6 | 0.2 | 1.80 | 5.3 | 2 | 231 | 0.1 | 0.34 | 0.1 | 18.4 | 32 | 41.0 | 3.57 | 6 | 0.03 | 0.09 | 10 | 0.88 | 740 | 1.2 |
| 1090428 | Soil | 0.5 | 0.1 | 1.72 | 5.5 | 1 | 245 | 0.1 | 0.49 | 0.1 | 12.9 | 28 | 26.7 | 2.94 | 6 | 0.05 | 0.07 | 9 | 0.71 | 494 | 0.9 |
| 1090429 | Soil | 3.2 | 0.1 | 2.05 | 5.2 | <1 | 352 | 0.1 | 0.51 | 0.2 | 14.1 | 33 | 34.3 | 3.14 | 6 | 0.05 | 0.06 | 11 | 0.94 | 583 | 0.7 |
| 1090430 | Soil | 2.4 | 0.1 | 1.94 | 5.9 | 1 | 302 | <0.1 | 0.40 | 0.2 | 13.2 | 29 | 34.0 | 3.19 | 7 | 0.03 | 0.08 | 9 | 0.90 | 453 | 0.8 |
| 1090431 | Soil | 9.6 | <0.1 | 2.01 | 5.0 | 1 | 316 | 0.1 | 0.50 | 0.1 | 11.7 | 32 | 30.2 | 2.85 | 6 | 0.04 | 0.05 | 10 | 0.85 | 413 | 0.6 |
| 1090432 | Soil | 1.5 | 0.1 | 1.84 | 5.1 | <1 | 256 | 0.1 | 0.33 | <0.1 | 10.5 | 28 | 26.0 | 2.86 | 6 | 0.04 | 0.06 | 9 | 0.65 | 374 | 0.7 |
| 1089118 | Soil | 2.6 | 0.1 | 1.89 | 4.8 | 1 | 380 | 0.1 | 0.74 | 0.1 | 14.5 | 25 | 44.5 | 3.63 | 5 | 0.06 | 0.10 | 10 | 0.81 | 500 | 0.8 |
| 1089119 | Soil | 1.3 | 0.1 | 2.02 | 4.3 | 2 | 407 | <0.1 | 0.51 | 0.1 | 16.4 | 26 | 37.4 | 3.47 | 6 | 0.04 | 0.06 | 10 | 0.94 | 751 | 0.7 |
| 1089120 | Soil | 7.7 | 0.1 | 2.17 | 4.5 | 2 | 361 | 0.1 | 0.38 | 0.2 | 17.3 | 29 | 33.9 | 3.82 | 7 | 0.06 | 0.05 | 9 | 1.07 | 661 | 0.7 |
| 1167591 | Soil | 2.3 | 0.2 | 1.93 | 4.3 | 1 | 337 | <0.1 | 0.62 | 0.2 | 15.8 | 28 | 24.6 | 2.81 | 6 | 0.06 | 0.05 | 9 | 0.92 | 873 | 0.5 |
| 1167590 | Soil | 1.0 | 0.1 | 2.02 | 7.5 | 2 | 180 | 0.1 | 0.24 | <0.1 | 16.7 | 29 | 20.3 | 3.44 | 7 | 0.04 | 0.05 | 7 | 0.94 | 519 | 0.7 |
| 1073917 | Soil | 2.4 | 0.2 | 1.65 | 4.9 | 1 | 169 | 0.2 | 0.27 | <0.1 | 9.5 | 28 | 13.5 | 2.65 | 6 | 0.07 | 0.05 | 10 | 0.53 | 261 | 0.9 |
| 1073918 | Soil | 1.9 | 0.1 | 1.90 | 5.5 | 1 | 186 | 0.1 | 0.29 | 0.1 | 12.4 | 35 | 17.5 | 2.95 | 6 | 0.04 | 0.06 | 7 | 0.77 | 475 | 0.7 |
| 1073919 | Soil | 2.6 | <0.1 | 1.44 | 5.0 | 2 | 156 | 0.2 | 0.33 | <0.1 | 6.1 | 28 | 11.3 | 2.02 | 5 | 0.03 | 0.05 | 7 | 0.55 | 150 | 0.4 |
| 1073920 | Soil | 2.6 | 0.1 | 1.53 | 5.4 | <1 | 133 | 0.1 | 0.29 | <0.1 | 9.5 | 34 | 15.2 | 2.20 | 6 | 0.04 | 0.07 | 7 | 0.64 | 348 | 0.7 |
| 1073921 | Soil | 2.7 | 0.1 | 1.66 | 5.3 | 2 | 181 | 0.1 | 0.40 | 0.1 | 12.1 | 32 | 17.4 | 2.62 | 5 | 0.05 | 0.08 | 8 | 0.78 | 380 | 0.6 |
| 1073922 | Soil | 1.4 | <0.1 | 1.57 | 6.4 | 1 | 142 | 0.1 | 0.27 | 0.1 | 8.2 | 33 | 18.9 | 2.53 | 5 | 0.04 | 0.05 | 8 | 0.63 | 187 | 0.6 |
| 1090410 | Soil | 5.7 | <0.1 | 1.44 | 4.0 | <1 | 122 | 0.1 | 0.27 | <0.1 | 6.9 | 26 | 14.1 | 2.16 | 5 | 0.04 | 0.05 | 7 | 0.58 | 156 | 0.6 |

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Report Date: August 29, 2011



# CERTIFICATE OF ANALYSIS DAW11000173.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Na | Ni | P | Pb | S | Sb | Sc | Se | Sr | Te | Th | Ti | Tl | U | V | W | Zn |
| | Unit | % | ppm | % | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | MDL | 0.001 | 0.1 | 0.001 | 0.1 | 0.05 | 0.1 | 0.1 | 0.5 | 1 | 0.2 | 0.1 | 0.001 | 0.1 | 0.1 | 2 | 0.1 | 1 |
| 1090415 | Soil | 0.014 | 11.3 | 0.040 | 5.8 | <0.05 | 0.3 | 3.5 | <0.5 | 24 | <0.2 | 0.9 | 0.068 | <0.1 | 0.4 | 55 | 0.1 | 42 |
| 1090416 | Soil | 0.019 | 25.9 | 0.059 | 8.3 | <0.05 | 0.2 | 3.5 | <0.5 | 31 | <0.2 | 2.0 | 0.111 | <0.1 | 0.5 | 78 | 0.1 | 62 |
| 1090417 | Soil | 0.021 | 29.4 | 0.078 | 6.5 | <0.05 | 0.5 | 4.5 | <0.5 | 31 | <0.2 | 2.1 | 0.118 | 0.2 | 0.6 | 69 | <0.1 | 77 |
| 1090418 | Soil | 0.013 | 24.9 | 0.031 | 6.4 | <0.05 | 0.2 | 3.6 | <0.5 | 24 | <0.2 | 1.7 | 0.128 | 0.1 | 0.3 | 100 | 0.1 | 69 |
| 1090419 | Soil | 0.012 | 21.3 | 0.043 | 8.0 | <0.05 | 0.3 | 3.9 | <0.5 | 25 | <0.2 | 1.7 | 0.092 | 0.1 | 0.5 | 86 | <0.1 | 61 |
| 1090420 | Soil | 0.016 | 20.9 | 0.058 | 5.7 | <0.05 | 0.1 | 3.4 | <0.5 | 21 | <0.2 | 1.4 | 0.165 | <0.1 | 0.3 | 102 | <0.1 | 72 |
| 1090421 | Soil | 0.014 | 20.5 | 0.057 | 5.0 | <0.05 | 0.1 | 3.1 | <0.5 | 20 | <0.2 | 1.4 | 0.161 | 0.1 | 0.3 | 105 | <0.1 | 68 |
| 1090422 | Soil | 0.015 | 23.5 | 0.051 | 6.1 | <0.05 | 0.2 | 4.6 | <0.5 | 22 | <0.2 | 1.4 | 0.143 | 0.2 | 0.3 | 105 | <0.1 | 68 |
| 1090423 | Soil | 0.016 | 19.4 | 0.050 | 9.4 | <0.05 | 0.2 | 3.9 | <0.5 | 23 | <0.2 | 1.3 | 0.093 | <0.1 | 0.4 | 83 | 0.1 | 62 |
| 1090424 | Soil | 0.016 | 16.2 | 0.054 | 6.9 | <0.05 | 0.2 | 3.1 | <0.5 | 26 | <0.2 | 1.1 | 0.082 | <0.1 | 0.5 | 64 | 0.1 | 56 |
| 1090425 | Soil | 0.015 | 13.2 | 0.047 | 6.6 | <0.05 | 0.2 | 2.5 | <0.5 | 18 | <0.2 | 1.0 | 0.066 | <0.1 | 0.4 | 54 | 0.1 | 52 |
| 1090426 | Soil | 0.015 | 18.4 | 0.051 | 8.3 | <0.05 | 0.2 | 3.2 | <0.5 | 22 | <0.2 | 1.1 | 0.081 | <0.1 | 0.4 | 74 | 0.1 | 66 |
| 1090427 | Soil | 0.016 | 18.2 | 0.089 | 8.2 | <0.05 | 0.3 | 4.7 | 0.9 | 27 | <0.2 | 1.8 | 0.055 | <0.1 | 0.6 | 72 | 0.1 | 75 |
| 1090428 | Soil | 0.017 | 15.6 | 0.043 | 7.7 | <0.05 | 0.3 | 4.1 | <0.5 | 30 | <0.2 | 1.2 | 0.066 | <0.1 | 0.5 | 77 | 0.1 | 59 |
| 1090429 | Soil | 0.018 | 20.6 | 0.058 | 10.6 | <0.05 | 0.4 | 5.7 | <0.5 | 32 | <0.2 | 2.2 | 0.082 | <0.1 | 0.7 | 78 | 0.1 | 72 |
| 1090430 | Soil | 0.016 | 18.1 | 0.044 | 12.4 | <0.05 | 0.3 | 4.8 | <0.5 | 25 | <0.2 | 1.8 | 0.085 | <0.1 | 0.6 | 83 | 0.1 | 67 |
| 1090431 | Soil | 0.015 | 20.6 | 0.048 | 9.7 | <0.05 | 0.3 | 5.0 | <0.5 | 30 | <0.2 | 1.8 | 0.066 | <0.1 | 0.8 | 71 | <0.1 | 66 |
| 1090432 | Soil | 0.014 | 17.2 | 0.049 | 7.3 | <0.05 | 0.2 | 4.2 | <0.5 | 23 | <0.2 | 1.4 | 0.058 | <0.1 | 0.6 | 69 | <0.1 | 59 |
| 1089118 | Soil | 0.019 | 16.9 | 0.057 | 9.4 | <0.05 | 0.4 | 8.4 | <0.5 | 44 | <0.2 | 1.3 | 0.042 | <0.1 | 0.6 | 83 | 0.1 | 80 |
| 1089119 | Soil | 0.019 | 16.4 | 0.062 | 8.0 | <0.05 | 0.3 | 7.0 | <0.5 | 27 | <0.2 | 1.2 | 0.052 | <0.1 | 0.7 | 88 | 0.2 | 70 |
| 1089120 | Soil | 0.014 | 18.0 | 0.079 | 9.8 | <0.05 | 0.3 | 7.3 | <0.5 | 22 | <0.2 | 1.1 | 0.036 | <0.1 | 0.6 | 95 | <0.1 | 83 |
| 1167591 | Soil | 0.015 | 17.0 | 0.066 | 8.6 | <0.05 | 0.3 | 5.2 | <0.5 | 34 | <0.2 | 1.0 | 0.042 | <0.1 | 0.6 | 69 | 0.1 | 70 |
| 1167590 | Soil | 0.013 | 15.7 | 0.061 | 9.3 | <0.05 | 0.2 | 4.6 | <0.5 | 17 | <0.2 | 0.9 | 0.041 | <0.1 | 0.5 | 100 | 0.1 | 73 |
| 1073917 | Soil | 0.012 | 15.4 | 0.092 | 10.0 | 0.05 | 0.3 | 2.8 | <0.5 | 22 | <0.2 | 1.4 | 0.052 | 0.1 | 0.8 | 55 | 0.2 | 60 |
| 1073918 | Soil | 0.012 | 17.4 | 0.057 | 15.7 | <0.05 | 0.2 | 3.1 | <0.5 | 20 | <0.2 | 1.9 | 0.080 | <0.1 | 0.6 | 65 | <0.1 | 74 |
| 1073919 | Soil | 0.013 | 14.5 | 0.043 | 11.5 | <0.05 | 0.2 | 2.5 | <0.5 | 21 | <0.2 | 1.3 | 0.063 | <0.1 | 0.4 | 47 | 0.1 | 55 |
| 1073920 | Soil | 0.013 | 15.5 | 0.059 | 19.6 | <0.05 | 0.2 | 2.6 | <0.5 | 20 | <0.2 | 1.4 | 0.074 | <0.1 | 0.6 | 52 | <0.1 | 57 |
| 1073921 | Soil | 0.015 | 17.5 | 0.055 | 10.6 | <0.05 | 0.3 | 3.2 | <0.5 | 25 | <0.2 | 2.1 | 0.096 | 0.1 | 0.8 | 63 | 0.2 | 63 |
| 1073922 | Soil | 0.014 | 17.6 | 0.045 | 8.2 | <0.05 | 0.2 | 2.6 | <0.5 | 19 | <0.2 | 1.5 | 0.068 | <0.1 | 0.7 | 59 | 0.1 | 53 |
| 1090410 | Soil | 0.014 | 13.7 | 0.051 | 6.9 | <0.05 | 0.2 | 2.5 | <0.5 | 18 | <0.2 | 1.0 | 0.062 | <0.1 | 0.5 | 47 | 0.1 | 52 |

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| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Au | Ag | Al | As | B | Ba | Bi | Ca | Cd | Co | Cr | Cu | Fe | Ga | Hg | K | La | Mg | Mn | Mo |
| | Unit | ppb | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | % | ppm | ppm |
| | MDL | 0.5 | 0.1 | 0.01 | 0.5 | 1 | 1 | 0.1 | 0.01 | 0.1 | 0.1 | 1 | 0.1 | 0.01 | 1 | 0.01 | 0.01 | 1 | 0.01 | 1 | 0.1 |
| 1090409 | Soil | 1.8 | <0.1 | 1.34 | 4.3 | 1 | 126 | 0.1 | 0.23 | 0.1 | 5.3 | 26 | 14.9 | 1.85 | 5 | 0.04 | 0.05 | 7 | 0.48 | 125 | 0.4 |
| 1090411 | Soil | 1.0 | 0.2 | 1.32 | 6.4 | 2 | 507 | <0.1 | 0.37 | 0.2 | 8.9 | 18 | 30.5 | 2.44 | 4 | 0.14 | 0.21 | 11 | 0.55 | 279 | 0.8 |
| 1090412 | Soil | 2.7 | 0.1 | 1.74 | 4.8 | 1 | 212 | 0.1 | 0.41 | 0.2 | 9.9 | 25 | 21.6 | 2.50 | 5 | 0.04 | 0.04 | 7 | 0.66 | 315 | 0.5 |
| 1090413 | Soil | 1.6 | 0.2 | 2.01 | 6.2 | 1 | 291 | 0.1 | 0.39 | 0.2 | 11.8 | 27 | 34.0 | 2.93 | 6 | 0.04 | 0.06 | 7 | 0.69 | 482 | 0.8 |
| 1090414 | Soil | 2.1 | <0.1 | 1.90 | 6.6 | <1 | 218 | 0.2 | 0.46 | 0.2 | 12.9 | 31 | 27.4 | 3.10 | 6 | 0.03 | 0.06 | 10 | 0.88 | 364 | 0.7 |
| 1162464 | Soil | 8.8 | 0.1 | 1.82 | 4.6 | <1 | 186 | <0.1 | 0.47 | 0.1 | 16.3 | 33 | 26.9 | 2.99 | 6 | 0.03 | 0.06 | 7 | 1.02 | 696 | 0.5 |
| 1162461 | Soil | 0.8 | 0.2 | 2.20 | 4.5 | <1 | 233 | <0.1 | 0.60 | 0.2 | 16.8 | 39 | 46.6 | 3.55 | 7 | 0.02 | 0.19 | 7 | 1.33 | 534 | 0.7 |
| 1162453 | Soil | 1.4 | 0.1 | 2.19 | 6.9 | <1 | 438 | 0.1 | 0.51 | 0.2 | 15.7 | 37 | 59.3 | 4.35 | 6 | 0.01 | 0.15 | 14 | 0.99 | 622 | 1.1 |
| 1162452 | Soil | <0.5 | 0.1 | 1.11 | 2.5 | <1 | 280 | 0.1 | 2.10 | 0.3 | 6.7 | 17 | 40.8 | 1.44 | 3 | 0.08 | 0.03 | 7 | 0.35 | 305 | 0.4 |
| 1162451 | Soil | <0.5 | <0.1 | 2.23 | 6.5 | <1 | 298 | <0.1 | 0.54 | <0.1 | 16.1 | 33 | 49.1 | 4.18 | 7 | 0.03 | 0.07 | 12 | 1.09 | 501 | 0.6 |
| 1073983 | Soil | 2.1 | <0.1 | 1.96 | 6.6 | <1 | 205 | 0.1 | 0.32 | 0.1 | 11.4 | 29 | 27.3 | 3.31 | 6 | 0.04 | 0.07 | 10 | 0.71 | 235 | 1.0 |
| 1073982 | Soil | 2.3 | <0.1 | 2.00 | 8.5 | <1 | 216 | 0.1 | 0.34 | 0.1 | 12.0 | 35 | 26.0 | 3.44 | 6 | 0.04 | 0.07 | 11 | 0.73 | 251 | 0.9 |
| 1073981 | Soil | 3.8 | <0.1 | 1.68 | 6.5 | 2 | 226 | 0.2 | 0.41 | 0.1 | 11.5 | 40 | 38.3 | 2.42 | 5 | 0.04 | 0.05 | 12 | 0.73 | 202 | 0.5 |
| 1073980 | Soil | 2.2 | 0.2 | 1.82 | 4.8 | 2 | 213 | 0.2 | 0.58 | 0.2 | 19.9 | 51 | 44.2 | 3.01 | 6 | 0.04 | 0.10 | 8 | 0.90 | 535 | 0.9 |
| 1073979 | Soil | 3.5 | 0.1 | 1.85 | 10.1 | 2 | 181 | 0.2 | 0.46 | 0.1 | 20.8 | 64 | 72.9 | 3.51 | 6 | 0.03 | 0.13 | 11 | 1.01 | 440 | 0.9 |
| 1162460 | Soil | 2.4 | 0.1 | 2.28 | 4.3 | 1 | 199 | <0.1 | 0.53 | <0.1 | 19.2 | 45 | 48.7 | 3.29 | 6 | 0.03 | 0.10 | 6 | 1.46 | 419 | 0.5 |
| 1162463 | Soil | 2.4 | 0.1 | 1.95 | 7.2 | 2 | 149 | 0.1 | 0.36 | 0.1 | 13.9 | 36 | 28.1 | 3.17 | 6 | 0.03 | 0.07 | 6 | 1.14 | 348 | 0.8 |
| 1162462 | Soil | 2.4 | 0.2 | 2.23 | 5.2 | <1 | 212 | <0.1 | 0.40 | 0.1 | 20.8 | 41 | 41.9 | 3.36 | 7 | 0.04 | 0.14 | 6 | 1.34 | 597 | 0.7 |
| 1162466 | Soil | 2.5 | <0.1 | 1.91 | 7.0 | 2 | 164 | 0.2 | 0.36 | 0.1 | 11.6 | 44 | 25.6 | 2.93 | 6 | 0.04 | 0.06 | 9 | 0.72 | 209 | 0.7 |
| 1162465 | Soil | 5.8 | 0.1 | 1.97 | 5.3 | 2 | 198 | 0.2 | 0.38 | 0.1 | 17.2 | 54 | 32.0 | 2.96 | 6 | 0.04 | 0.08 | 9 | 0.91 | 381 | 0.8 |
| 1162467 | Soil | 4.1 | <0.1 | 2.50 | 6.5 | 1 | 420 | <0.1 | 0.46 | 0.1 | 18.9 | 72 | 38.9 | 4.08 | 8 | 0.01 | 0.42 | 7 | 1.60 | 571 | 0.6 |
| 1162468 | Soil | 7.1 | 0.1 | 2.10 | 6.8 | 2 | 283 | 0.2 | 0.39 | 0.3 | 24.0 | 38 | 45.7 | 4.89 | 6 | 0.03 | 0.08 | 9 | 0.94 | 893 | 1.0 |
| 1162473 | Soil | 2.5 | 0.1 | 2.04 | 4.0 | 2 | 256 | <0.1 | 0.50 | 0.2 | 15.2 | 34 | 37.1 | 2.99 | 6 | 0.03 | 0.08 | 7 | 1.04 | 396 | 0.6 |
| 1162472 | Soil | 6.2 | 0.1 | 1.79 | 4.3 | 2 | 282 | <0.1 | 0.71 | 0.2 | 15.1 | 27 | 40.4 | 2.94 | 5 | 0.04 | 0.06 | 9 | 0.83 | 463 | 0.6 |
| 1162471 | Soil | 91.6 | 0.1 | 1.38 | 4.4 | 2 | 154 | 0.1 | 0.40 | 0.2 | 8.5 | 26 | 23.8 | 2.21 | 5 | 0.03 | 0.05 | 7 | 0.51 | 224 | 0.6 |
| 1162470 | Soil | 3.5 | <0.1 | 1.67 | 5.1 | 1 | 183 | <0.1 | 0.57 | 0.1 | 12.5 | 32 | 30.5 | 2.93 | 5 | 0.02 | 0.05 | 9 | 0.77 | 411 | 0.5 |
| 1162469 | Soil | 4.2 | <0.1 | 2.08 | 7.7 | 1 | 327 | 0.1 | 0.48 | 0.2 | 14.1 | 37 | 42.8 | 3.60 | 7 | 0.03 | 0.09 | 10 | 0.88 | 559 | 1.0 |
| 1162475 | Soil | 6.9 | 0.1 | 2.60 | 7.3 | 2 | 233 | 0.2 | 0.40 | 0.1 | 16.4 | 41 | 33.8 | 3.68 | 8 | 0.04 | 0.06 | 8 | 1.06 | 398 | 0.9 |
| 1162476 | Soil | 2.0 | <0.1 | 2.42 | 5.1 | 2 | 137 | 0.1 | 0.32 | 0.1 | 13.6 | 37 | 31.8 | 3.48 | 8 | 0.03 | 0.05 | 6 | 1.05 | 300 | 0.6 |
| 1162474 | Soil | 4.4 | 0.1 | 2.33 | 5.1 | 2 | 216 | <0.1 | 0.55 | 0.1 | 16.0 | 37 | 39.0 | 3.35 | 7 | 0.03 | 0.09 | 7 | 1.27 | 382 | 0.6 |

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Project: TSL
Report Date: August 29, 2011



# CERTIFICATE OF ANALYSIS DAW11000173.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Na | Ni | P | Pb | S | Sb | Sc | Se | Sr | Te | Th | Ti | Tl | U | V | W | Zn |
| | Unit | % | ppm | % | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | MDL | 0.001 | 0.1 | 0.001 | 0.1 | 0.05 | 0.1 | 0.1 | 0.5 | 1 | 0.2 | 0.1 | 0.001 | 0.1 | 0.1 | 2 | 0.1 | 1 |
| 1090409 | Soil | 0.011 | 13.0 | 0.048 | 8.1 | <0.05 | 0.2 | 2.3 | <0.5 | 18 | <0.2 | 0.8 | 0.056 | <0.1 | 0.6 | 38 | 0.1 | 44 |
| 1090411 | Soil | 0.013 | 11.5 | 0.074 | 4.9 | 0.06 | 3.0 | 5.3 | <0.5 | 25 | <0.2 | 0.8 | 0.055 | 0.2 | 0.6 | 51 | <0.1 | 45 |
| 1090412 | Soil | 0.017 | 16.2 | 0.040 | 8.6 | <0.05 | 0.4 | 3.9 | <0.5 | 26 | <0.2 | 1.5 | 0.057 | <0.1 | 0.5 | 64 | <0.1 | 56 |
| 1090413 | Soil | 0.013 | 16.9 | 0.051 | 9.9 | <0.05 | 0.3 | 4.5 | <0.5 | 23 | <0.2 | 1.6 | 0.055 | <0.1 | 0.6 | 71 | 0.1 | 63 |
| 1090414 | Soil | 0.018 | 20.4 | 0.048 | 6.5 | <0.05 | 0.4 | 4.5 | 0.7 | 23 | <0.2 | 2.4 | 0.104 | 0.1 | 0.6 | 74 | 0.1 | 58 |
| 1162464 | Soil | 0.018 | 17.5 | 0.058 | 8.7 | <0.05 | 0.2 | 4.3 | <0.5 | 28 | <0.2 | 1.4 | 0.084 | <0.1 | 0.5 | 74 | 0.1 | 70 |
| 1162461 | Soil | 0.020 | 20.7 | 0.060 | 9.1 | <0.05 | 0.1 | 5.1 | <0.5 | 26 | <0.2 | 1.5 | 0.146 | <0.1 | 0.5 | 97 | <0.1 | 77 |
| 1162453 | Soil | 0.021 | 24.1 | 0.060 | 11.9 | <0.05 | 0.5 | 8.3 | 0.6 | 26 | <0.2 | 3.0 | 0.110 | <0.1 | 0.7 | 103 | 0.1 | 69 |
| 1162452 | Soil | 0.020 | 12.2 | 0.080 | 7.3 | 0.08 | 0.7 | 2.9 | 1.0 | 73 | <0.2 | 0.3 | 0.027 | <0.1 | 0.5 | 31 | <0.1 | 26 |
| 1162451 | Soil | 0.020 | 22.6 | 0.052 | 8.9 | <0.05 | 0.4 | 8.9 | <0.5 | 26 | <0.2 | 3.0 | 0.082 | <0.1 | 0.7 | 106 | 0.1 | 74 |
| 1073983 | Soil | 0.016 | 17.4 | 0.066 | 8.6 | <0.05 | 0.5 | 5.9 | 0.7 | 21 | <0.2 | 1.6 | 0.042 | 0.1 | 0.7 | 73 | 0.1 | 64 |
| 1073982 | Soil | 0.015 | 21.9 | 0.059 | 9.6 | <0.05 | 0.4 | 4.5 | 0.5 | 23 | <0.2 | 2.7 | 0.095 | <0.1 | 0.7 | 70 | 0.1 | 63 |
| 1073981 | Soil | 0.017 | 23.8 | 0.052 | 11.8 | <0.05 | 0.5 | 4.5 | <0.5 | 24 | <0.2 | 3.5 | 0.092 | <0.1 | 1.0 | 66 | 0.1 | 54 |
| 1073980 | Soil | 0.016 | 27.9 | 0.070 | 18.0 | <0.05 | 0.3 | 4.6 | 0.7 | 28 | <0.2 | 2.2 | 0.104 | <0.1 | 1.1 | 70 | 0.1 | 76 |
| 1073979 | Soil | 0.017 | 37.1 | 0.070 | 19.8 | <0.05 | 0.5 | 4.5 | 0.7 | 23 | <0.2 | 2.7 | 0.133 | 0.1 | 0.8 | 79 | 0.1 | 63 |
| 1162460 | Soil | 0.023 | 24.5 | 0.055 | 8.3 | <0.05 | 0.2 | 5.2 | <0.5 | 25 | <0.2 | 1.3 | 0.138 | <0.1 | 0.5 | 101 | <0.1 | 72 |
| 1162463 | Soil | 0.018 | 20.0 | 0.059 | 12.5 | <0.05 | 0.2 | 4.4 | <0.5 | 20 | <0.2 | 1.4 | 0.104 | <0.1 | 0.4 | 98 | 0.1 | 77 |
| 1162462 | Soil | 0.022 | 21.5 | 0.065 | 11.9 | <0.05 | 0.2 | 5.2 | <0.5 | 22 | <0.2 | 1.4 | 0.141 | <0.1 | 0.5 | 93 | <0.1 | 82 |
| 1162466 | Soil | 0.015 | 23.5 | 0.058 | 11.0 | <0.05 | 0.4 | 4.1 | 0.6 | 23 | <0.2 | 2.5 | 0.082 | <0.1 | 0.8 | 68 | 0.1 | 57 |
| 1162465 | Soil | 0.018 | 29.7 | 0.060 | 20.6 | <0.05 | 0.4 | 4.7 | <0.5 | 23 | <0.2 | 2.6 | 0.115 | <0.1 | 0.9 | 68 | 0.1 | 62 |
| 1162467 | Soil | 0.017 | 33.2 | 0.069 | 6.2 | <0.05 | 0.3 | 5.9 | 0.7 | 25 | <0.2 | 2.5 | 0.205 | 0.2 | 0.5 | 116 | 0.1 | 85 |
| 1162468 | Soil | 0.016 | 30.2 | 0.074 | 11.2 | <0.05 | 0.6 | 8.1 | 0.6 | 25 | <0.2 | 2.2 | 0.066 | <0.1 | 0.6 | 93 | 0.1 | 89 |
| 1162473 | Soil | 0.019 | 19.6 | 0.058 | 6.3 | <0.05 | 0.3 | 4.9 | <0.5 | 27 | <0.2 | 1.6 | 0.115 | <0.1 | 0.5 | 83 | 0.1 | 62 |
| 1162472 | Soil | 0.022 | 16.9 | 0.069 | 7.0 | 0.05 | 0.4 | 6.8 | 0.5 | 32 | <0.2 | 1.8 | 0.095 | <0.1 | 0.6 | 80 | 0.1 | 62 |
| 1162471 | Soil | 0.020 | 16.8 | 0.071 | 6.0 | 0.06 | 0.3 | 3.2 | <0.5 | 24 | <0.2 | 0.8 | 0.071 | <0.1 | 0.5 | 62 | 0.2 | 51 |
| 1162470 | Soil | 0.031 | 21.5 | 0.054 | 5.8 | <0.05 | 0.4 | 4.9 | <0.5 | 31 | <0.2 | 2.5 | 0.116 | <0.1 | 0.5 | 80 | 0.2 | 60 |
| 1162469 | Soil | 0.019 | 25.3 | 0.064 | 13.0 | <0.05 | 0.6 | 6.3 | <0.5 | 28 | <0.2 | 2.9 | 0.118 | <0.1 | 0.6 | 91 | 0.2 | 74 |
| 1162475 | Soil | 0.020 | 24.0 | 0.056 | 9.1 | <0.05 | 0.3 | 5.4 | <0.5 | 28 | <0.2 | 1.8 | 0.125 | <0.1 | 0.7 | 97 | 0.1 | 75 |
| 1162476 | Soil | 0.020 | 21.6 | 0.037 | 8.6 | <0.05 | 0.2 | 4.9 | <0.5 | 20 | <0.2 | 1.6 | 0.116 | <0.1 | 0.4 | 103 | 0.1 | 65 |
| 1162474 | Soil | 0.021 | 23.9 | 0.060 | 7.6 | <0.05 | 0.3 | 5.0 | <0.5 | 29 | <0.2 | 1.9 | 0.141 | <0.1 | 0.5 | 90 | 0.1 | 76 |

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Project: TSL
Report Date: August 29, 2011



# CERTIFICATE OF ANALYSIS DAW11000173.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Au | Ag | Al | As | B | Ba | Bi | Ca | Cd | Co | Cr | Cu | Fe | Ga | Hg | K | La | Mg | Mn | Mo |
| | Unit | ppb | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | % | ppm | ppm |
| | MDL | 0.5 | 0.1 | 0.01 | 0.5 | 1 | 1 | 0.1 | 0.01 | 0.1 | 0.1 | 1 | 0.1 | 0.01 | 1 | 0.01 | 0.01 | 1 | 0.01 | 1 | 0.1 |
| 1162477 | Soil | 3.7 | 0.2 | 3.24 | 2.9 | <1 | 160 | <0.1 | 0.82 | <0.1 | 21.4 | 66 | 96.6 | 4.40 | 9 | 0.01 | 0.12 | 4 | 3.02 | 652 | 0.4 |
| 1162478 | Soil | 6.4 | 0.2 | 2.01 | 3.5 | <1 | 197 | <0.1 | 0.59 | 0.1 | 16.5 | 35 | 41.6 | 2.88 | 6 | 0.03 | 0.07 | 7 | 1.23 | 380 | 0.4 |
| 1162479 | Soil | 4.2 | <0.1 | 1.81 | 4.2 | 2 | 143 | 0.1 | 0.41 | 0.1 | 12.7 | 33 | 26.2 | 2.68 | 6 | 0.04 | 0.06 | 6 | 1.01 | 299 | 0.5 |
| 1162454 | Soil | 1.6 | 0.1 | 2.89 | 8.7 | <1 | 117 | 0.1 | 0.33 | 0.1 | 16.6 | 35 | 22.2 | 3.78 | 8 | 0.04 | 0.07 | 4 | 1.15 | 279 | 1.0 |
| 1162455 | Soil | 5.3 | <0.1 | 2.43 | 7.2 | 2 | 248 | 0.1 | 0.38 | 0.2 | 19.3 | 39 | 39.2 | 4.25 | 8 | 0.03 | 0.15 | 8 | 1.27 | 750 | 0.9 |
| 1162456 | Soil | 3.1 | <0.1 | 1.86 | 5.9 | <1 | 162 | 0.1 | 0.28 | 0.2 | 11.0 | 28 | 35.1 | 2.89 | 7 | 0.02 | 0.09 | 6 | 0.81 | 323 | 0.9 |
| 1162457 | Soil | 3.2 | 0.2 | 2.50 | 5.1 | 1 | 382 | 0.1 | 0.61 | <0.1 | 15.2 | 37 | 59.8 | 3.39 | 7 | 0.05 | 0.13 | 10 | 1.05 | 381 | 0.9 |
| 1162459 | Soil | 2.6 | 0.1 | 2.11 | 5.2 | 1 | 188 | <0.1 | 0.59 | <0.1 | 17.0 | 36 | 34.1 | 3.23 | 6 | 0.04 | 0.12 | 6 | 1.34 | 434 | 0.6 |
| 1162458 | Soil | 6.7 | <0.1 | 2.07 | 4.9 | <1 | 237 | 0.1 | 0.54 | 0.1 | 15.7 | 37 | 38.1 | 3.01 | 6 | 0.03 | 0.15 | 8 | 1.01 | 414 | 0.6 |
| 1160142 | Soil | 0.6 | 0.1 | 2.01 | 3.4 | <1 | 190 | <0.1 | 0.44 | 0.1 | 15.2 | 35 | 36.2 | 2.87 | 6 | 0.03 | 0.06 | 6 | 1.08 | 465 | 0.5 |
| 1160141 | Soil | 3.5 | 0.2 | 2.01 | 4.1 | 1 | 183 | 0.1 | 0.43 | 0.1 | 14.4 | 33 | 33.3 | 2.90 | 6 | 0.04 | 0.11 | 6 | 1.09 | 362 | 0.7 |
| 1160140 | Soil | 7.9 | 0.2 | 2.39 | 5.2 | 1 | 189 | <0.1 | 0.42 | 0.1 | 17.4 | 41 | 38.1 | 3.67 | 7 | 0.05 | 0.30 | 7 | 1.45 | 477 | 0.7 |
| 1090450 | Soil | 6.9 | 0.1 | 2.20 | 5.9 | <1 | 147 | <0.1 | 0.42 | 0.2 | 16.5 | 41 | 36.8 | 3.28 | 6 | 0.02 | 0.10 | 7 | 1.28 | 446 | 0.7 |
| 1160139 | Soil | 2.3 | 0.2 | 2.42 | 3.7 | <1 | 192 | <0.1 | 0.39 | 0.1 | 17.1 | 42 | 37.8 | 3.36 | 7 | 0.03 | 0.28 | 6 | 1.48 | 475 | 0.7 |
| 1090449 | Soil | 2.3 | 0.1 | 2.22 | 4.4 | <1 | 167 | <0.1 | 0.49 | 0.1 | 17.8 | 31 | 52.4 | 3.41 | 6 | 0.01 | 0.23 | 6 | 1.29 | 379 | 0.5 |
| 1090447 | Soil | 4.7 | <0.1 | 2.32 | 6.1 | 1 | 243 | <0.1 | 0.81 | 0.1 | 17.2 | 57 | 30.2 | 3.40 | 7 | 0.03 | 0.19 | 5 | 1.51 | 506 | 0.5 |
| 1090448 | Soil | 2.9 | 0.1 | 2.27 | 7.7 | <1 | 239 | 0.1 | 0.39 | <0.1 | 14.2 | 38 | 36.6 | 3.41 | 7 | 0.03 | 0.11 | 9 | 0.95 | 282 | 0.7 |
| 1090446 | Soil | <0.5 | <0.1 | 3.00 | 3.8 | <1 | 100 | <0.1 | 0.49 | <0.1 | 22.6 | 22 | 24.7 | 4.11 | 8 | 0.01 | 0.14 | 3 | 2.45 | 430 | 0.3 |
| 1090445 | Soil | 1.9 | <0.1 | 2.09 | 4.2 | 3 | 204 | 0.1 | 0.54 | <0.1 | 14.5 | 31 | 56.7 | 3.47 | 6 | 0.03 | 0.12 | 8 | 1.05 | 389 | 0.7 |
| 1090444 | Soil | 1.6 | 0.1 | 1.97 | 6.3 | 3 | 291 | 0.1 | 0.52 | 0.1 | 11.5 | 34 | 37.7 | 2.82 | 6 | 0.03 | 0.06 | 11 | 0.82 | 282 | 0.6 |
| 1160144 | Soil | 7.7 | 0.1 | 1.96 | 5.0 | 2 | 201 | 0.1 | 0.30 | 0.2 | 16.0 | 44 | 32.1 | 3.04 | 7 | 0.03 | 0.07 | 10 | 0.84 | 490 | 1.0 |
| 1160143 | Soil | 2.7 | <0.1 | 2.28 | 7.9 | 1 | 225 | 0.1 | 0.41 | 0.2 | 25.9 | 54 | 63.7 | 4.37 | 8 | 0.04 | 0.07 | 11 | 1.25 | 660 | 1.4 |
| 1160145 | Soil | 2.7 | 0.1 | 2.17 | 9.1 | 2 | 250 | 0.2 | 0.42 | 0.2 | 16.9 | 38 | 31.3 | 3.81 | 7 | 0.03 | 0.07 | 10 | 0.96 | 588 | 0.8 |
| 1160146 | Soil | 3.1 | 0.1 | 2.29 | 6.0 | 2 | 352 | 0.1 | 0.60 | 0.2 | 15.1 | 37 | 49.7 | 3.66 | 7 | 0.05 | 0.08 | 13 | 1.05 | 461 | 0.6 |
| 1162444 | Soil | 5.3 | 0.2 | 2.97 | 4.2 | 3 | 188 | <0.1 | 0.60 | 0.2 | 25.8 | 45 | 46.1 | 4.89 | 9 | 0.03 | 0.07 | 6 | 2.24 | 675 | 0.5 |
| 1162445 | Soil | 2.6 | 0.1 | 2.02 | 5.0 | 2 | 161 | 0.1 | 0.43 | 0.2 | 20.1 | 35 | 26.3 | 2.94 | 7 | 0.05 | 0.04 | 7 | 1.08 | 678 | 0.7 |
| 1160148 | Soil | 1.6 | 0.1 | 2.08 | 4.7 | 2 | 325 | 0.1 | 0.59 | 0.2 | 15.0 | 31 | 39.6 | 3.15 | 6 | 0.05 | 0.06 | 12 | 0.81 | 674 | 0.6 |
| 1160147 | Soil | 3.3 | 0.1 | 2.13 | 5.6 | 2 | 312 | 0.1 | 0.59 | 0.2 | 13.6 | 35 | 43.0 | 3.25 | 6 | 0.05 | 0.05 | 11 | 0.92 | 551 | 0.5 |
| 1162441 | Soil | 2.3 | 0.1 | 1.96 | 4.0 | 3 | 210 | <0.1 | 0.40 | 0.2 | 13.3 | 28 | 26.5 | 3.31 | 7 | 0.02 | 0.06 | 8 | 0.98 | 424 | 0.6 |
| 1162442 | Soil | 2.6 | <0.1 | 2.06 | 3.2 | 1 | 160 | 0.1 | 0.31 | 0.1 | 14.2 | 32 | 20.8 | 3.19 | 7 | 0.03 | 0.06 | 7 | 1.02 | 383 | 0.5 |

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Project: TSL
Report Date: August 29, 2011



# CERTIFICATE OF ANALYSIS DAW11000173.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Na | Ni | P | Pb | S | Sb | Sc | Se | Sr | Te | Th | Ti | Tl | U | V | W | Zn |
| | Unit | % | ppm | % | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | MDL | 0.001 | 0.1 | 0.001 | 0.1 | 0.05 | 0.1 | 0.1 | 0.5 | 1 | 0.2 | 0.1 | 0.001 | 0.1 | 0.1 | 2 | 0.1 | 1 |
| 1162477 | Soil | 0.020 | 34.5 | 0.072 | 8.2 | <0.05 | 0.1 | 9.5 | 0.6 | 40 | <0.2 | 1.1 | 0.163 | <0.1 | 0.3 | 153 | <0.1 | 74 |
| 1162478 | Soil | 0.020 | 20.1 | 0.049 | 9.3 | <0.05 | 0.2 | 5.4 | <0.5 | 32 | <0.2 | 1.3 | 0.116 | <0.1 | 0.5 | 82 | <0.1 | 66 |
| 1162479 | Soil | 0.019 | 18.8 | 0.054 | 8.0 | <0.05 | 0.2 | 3.9 | <0.5 | 26 | <0.2 | 1.3 | 0.102 | <0.1 | 0.5 | 74 | 0.1 | 63 |
| 1162454 | Soil | 0.024 | 23.7 | 0.047 | 6.8 | <0.05 | 0.4 | 3.3 | <0.5 | 23 | <0.2 | 1.2 | 0.163 | <0.1 | 0.3 | 111 | <0.1 | 62 |
| 1162455 | Soil | 0.018 | 24.9 | 0.080 | 8.4 | <0.05 | 0.3 | 5.8 | <0.5 | 23 | <0.2 | 2.3 | 0.151 | <0.1 | 0.4 | 119 | 0.1 | 77 |
| 1162456 | Soil | 0.019 | 17.3 | 0.038 | 7.7 | <0.05 | 0.3 | 4.0 | <0.5 | 19 | <0.2 | 1.6 | 0.150 | <0.1 | 0.4 | 91 | <0.1 | 56 |
| 1162457 | Soil | 0.024 | 24.3 | 0.057 | 9.1 | <0.05 | 0.4 | 6.6 | <0.5 | 32 | <0.2 | 2.3 | 0.146 | <0.1 | 0.6 | 92 | <0.1 | 74 |
| 1162459 | Soil | 0.024 | 19.9 | 0.053 | 6.8 | <0.05 | 0.2 | 4.8 | <0.5 | 27 | <0.2 | 1.4 | 0.138 | <0.1 | 0.4 | 98 | <0.1 | 69 |
| 1162458 | Soil | 0.020 | 23.2 | 0.057 | 6.9 | <0.05 | 0.3 | 5.3 | 0.6 | 26 | <0.2 | 2.1 | 0.122 | 0.2 | 0.6 | 86 | 0.1 | 68 |
| 1160142 | Soil | 0.018 | 18.3 | 0.047 | 8.5 | <0.05 | 0.2 | 5.2 | <0.5 | 27 | <0.2 | 1.4 | 0.101 | <0.1 | 0.5 | 78 | 0.1 | 69 |
| 1160141 | Soil | 0.017 | 18.3 | 0.044 | 8.5 | <0.05 | 0.2 | 4.8 | <0.5 | 24 | <0.2 | 1.4 | 0.115 | 0.1 | 0.5 | 79 | 0.1 | 69 |
| 1160140 | Soil | 0.017 | 22.3 | 0.059 | 9.0 | <0.05 | 0.2 | 5.3 | <0.5 | 24 | <0.2 | 1.6 | 0.163 | 0.2 | 0.5 | 101 | <0.1 | 85 |
| 1090450 | Soil | 0.016 | 22.4 | 0.051 | 7.0 | <0.05 | 0.2 | 3.7 | <0.5 | 25 | <0.2 | 1.8 | 0.153 | <0.1 | 0.4 | 94 | 0.1 | 70 |
| 1160139 | Soil | 0.016 | 21.1 | 0.049 | 9.2 | <0.05 | 0.2 | 5.1 | <0.5 | 23 | <0.2 | 1.4 | 0.152 | 0.1 | 0.4 | 99 | <0.1 | 76 |
| 1090449 | Soil | 0.018 | 20.2 | 0.059 | 6.4 | <0.05 | 0.2 | 3.7 | <0.5 | 27 | <0.2 | 1.7 | 0.180 | 0.2 | 0.4 | 102 | <0.1 | 72 |
| 1090447 | Soil | 0.019 | 28.7 | 0.076 | 6.1 | <0.05 | 0.2 | 3.6 | <0.5 | 33 | <0.2 | 1.7 | 0.191 | 0.1 | 0.4 | 87 | <0.1 | 81 |
| 1090448 | Soil | 0.014 | 23.8 | 0.038 | 7.9 | <0.05 | 0.3 | 4.6 | <0.5 | 24 | <0.2 | 2.2 | 0.144 | 0.2 | 0.6 | 96 | 0.1 | 64 |
| 1090446 | Soil | 0.026 | 12.3 | 0.059 | 1.9 | <0.05 | 0.1 | 3.9 | <0.5 | 18 | <0.2 | 0.7 | 0.238 | <0.1 | 0.2 | 149 | <0.1 | 53 |
| 1090445 | Soil | 0.028 | 16.8 | 0.056 | 6.2 | 0.07 | 0.3 | 5.8 | <0.5 | 27 | <0.2 | 2.1 | 0.144 | <0.1 | 0.5 | 109 | <0.1 | 64 |
| 1090444 | Soil | 0.018 | 22.9 | 0.052 | 6.8 | <0.05 | 0.3 | 4.9 | <0.5 | 28 | <0.2 | 2.4 | 0.091 | <0.1 | 0.8 | 71 | 0.1 | 63 |
| 1160144 | Soil | 0.013 | 20.8 | 0.055 | 9.2 | <0.05 | 0.3 | 4.6 | <0.5 | 20 | <0.2 | 1.9 | 0.070 | <0.1 | 0.6 | 74 | 0.1 | 82 |
| 1160143 | Soil | 0.014 | 27.6 | 0.063 | 8.8 | <0.05 | 0.3 | 5.2 | 0.6 | 32 | <0.2 | 3.1 | 0.105 | <0.1 | 1.1 | 106 | <0.1 | 107 |
| 1160145 | Soil | 0.015 | 21.6 | 0.065 | 8.2 | <0.05 | 0.4 | 5.9 | <0.5 | 25 | <0.2 | 2.1 | 0.083 | <0.1 | 0.7 | 89 | 0.2 | 87 |
| 1160146 | Soil | 0.021 | 24.5 | 0.060 | 10.0 | <0.05 | 0.6 | 7.7 | <0.5 | 33 | <0.2 | 3.0 | 0.116 | <0.1 | 0.8 | 93 | 0.1 | 84 |
| 1162444 | Soil | 0.013 | 22.5 | 0.063 | 14.0 | <0.05 | 0.2 | 8.7 | <0.5 | 27 | <0.2 | 1.1 | 0.060 | <0.1 | 0.4 | 137 | <0.1 | 93 |
| 1162445 | Soil | 0.019 | 18.9 | 0.065 | 10.4 | <0.05 | 0.2 | 4.3 | <0.5 | 25 | <0.2 | 1.3 | 0.071 | <0.1 | 0.5 | 79 | 0.1 | 72 |
| 1160148 | Soil | 0.017 | 21.0 | 0.057 | 7.0 | <0.05 | 0.3 | 6.7 | <0.5 | 31 | <0.2 | 2.1 | 0.074 | <0.1 | 0.7 | 79 | <0.1 | 70 |
| 1160147 | Soil | 0.019 | 23.0 | 0.051 | 9.3 | <0.05 | 0.4 | 6.3 | <0.5 | 33 | <0.2 | 2.3 | 0.096 | <0.1 | 0.8 | 85 | 0.1 | 71 |
| 1162441 | Soil | 0.016 | 17.7 | 0.058 | 6.5 | <0.05 | 0.2 | 5.0 | <0.5 | 20 | <0.2 | 1.7 | 0.074 | <0.1 | 0.5 | 86 | 0.1 | 75 |
| 1162442 | Soil | 0.016 | 16.6 | 0.065 | 7.0 | <0.05 | 0.2 | 5.0 | <0.5 | 17 | <0.2 | 1.1 | 0.076 | <0.1 | 0.4 | 87 | 0.1 | 76 |

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Project: TSL
Report Date: August 29, 2011



# CERTIFICATE OF ANALYSIS DAW11000173.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Au | Ag | Al | As | B | Ba | Bi | Ca | Cd | Co | Cr | Cu | Fe | Ga | Hg | K | La | Mg | Mn | Mo |
| | Unit | ppb | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | % | ppm | ppm |
| | MDL | 0.5 | 0.1 | 0.01 | 0.5 | 1 | 1 | 0.1 | 0.01 | 0.1 | 0.1 | 1 | 0.1 | 0.01 | 1 | 0.01 | 0.01 | 1 | 0.01 | 1 | 0.1 |
| 1162443 | Soil | 2.2 | 0.1 | 2.04 | 4.6 | 2 | 224 | <0.1 | 0.49 | 0.2 | 16.0 | 31 | 30.5 | 3.41 | 7 | 0.03 | 0.06 | 8 | 1.11 | 419 | 0.5 |
| 1160150 | Soil | 2.5 | <0.1 | 2.10 | 6.5 | 2 | 270 | 0.1 | 0.45 | 0.1 | 16.0 | 32 | 39.1 | 3.63 | 7 | 0.04 | 0.08 | 8 | 0.92 | 524 | 0.8 |
| 1160149 | Soil | 1.8 | <0.1 | 2.42 | 6.7 | 1 | 334 | 0.2 | 0.48 | 0.2 | 13.0 | 35 | 36.8 | 3.51 | 7 | 0.04 | 0.06 | 10 | 0.87 | 397 | 0.7 |
| 1090441 | Soil | 3.5 | 0.1 | 2.22 | 5.4 | 3 | 257 | 0.1 | 0.53 | 0.2 | 12.4 | 35 | 35.2 | 2.92 | 6 | 0.05 | 0.06 | 11 | 0.81 | 380 | 0.6 |
| 1090443 | Soil | 4.0 | <0.1 | 2.09 | 4.6 | 2 | 302 | 0.1 | 0.44 | 0.2 | 12.6 | 34 | 40.4 | 3.11 | 7 | 0.04 | 0.05 | 11 | 0.91 | 382 | 0.6 |
| 1090442 | Soil | 1.8 | 0.1 | 2.10 | 5.5 | 2 | 309 | 0.1 | 0.43 | 0.2 | 13.1 | 35 | 42.0 | 3.22 | 7 | 0.03 | 0.05 | 11 | 0.95 | 403 | 0.6 |
| 1090440 | Soil | 1.1 | <0.1 | 1.99 | 8.5 | 2 | 195 | 0.1 | 0.46 | 0.2 | 15.0 | 30 | 28.9 | 3.49 | 7 | 0.04 | 0.08 | 8 | 0.89 | 527 | 0.8 |
| 1090439 | Soil | 1.4 | <0.1 | 1.98 | 5.7 | 2 | 132 | 0.1 | 0.31 | <0.1 | 9.8 | 34 | 20.7 | 2.80 | 6 | 0.04 | 0.06 | 8 | 0.86 | 189 | 0.8 |
| 1090438 | Soil | 1.7 | <0.1 | 1.60 | 5.0 | 2 | 133 | 0.1 | 0.36 | 0.1 | 8.7 | 33 | 16.8 | 2.46 | 6 | 0.03 | 0.06 | 8 | 0.69 | 205 | 0.6 |
| 1090435 | Soil | 1.7 | <0.1 | 0.08 | 1.6 | 1 | 106 | <0.1 | 0.14 | 28.4 | 33.4 | 1 | 13.2 | 1.26 | 1 | 0.02 | 0.01 | <1 | 0.03 | >10000 | 2.7 |
| 1090437 | Soil | 2.5 | 0.1 | 1.48 | 5.6 | 2 | 135 | 0.2 | 0.26 | 0.1 | 8.1 | 31 | 19.6 | 2.33 | 5 | 0.06 | 0.04 | 8 | 0.47 | 201 | 0.9 |
| 1090436 | Soil | 3.4 | <0.1 | 1.62 | 5.5 | 2 | 170 | 0.1 | 0.51 | <0.1 | 9.1 | 43 | 17.0 | 2.47 | 6 | 0.03 | 0.05 | 8 | 0.78 | 192 | 0.6 |
| 1090434 | Soil | 3.4 | 0.2 | 1.71 | 4.7 | 2 | 217 | 0.1 | 0.41 | 0.1 | 8.2 | 38 | 21.2 | 2.21 | 5 | 0.05 | 0.06 | 8 | 0.52 | 227 | 0.6 |
| 1090433 | Soil | 7.3 | <0.1 | 1.79 | 5.0 | 2 | 161 | 0.1 | 0.39 | 0.2 | 8.6 | 36 | 16.2 | 2.42 | 6 | 0.06 | 0.05 | 8 | 0.73 | 205 | 0.5 |
| 1090466 | Soil | 2.7 | 0.1 | 3.21 | 2.3 | <1 | 255 | <0.1 | 0.50 | 0.2 | 37.4 | 43 | 75.9 | 4.46 | 8 | 0.01 | 0.51 | 4 | 1.86 | 560 | 0.8 |
| 1090467 | Soil | 4.0 | <0.1 | 3.43 | 4.2 | 2 | 113 | <0.1 | 0.65 | <0.1 | 30.3 | 68 | 84.6 | 4.22 | 7 | 0.01 | 0.19 | 4 | 3.31 | 562 | 0.5 |
| 1090464 | Soil | 3.1 | <0.1 | 1.85 | 16.7 | 3 | 240 | 0.1 | 1.43 | 0.2 | 14.6 | 33 | 44.4 | 2.81 | 5 | 0.07 | 0.05 | 11 | 0.84 | 772 | 0.4 |
| 1090469 | Soil | 3.4 | 0.1 | 2.94 | 4.3 | 2 | 235 | <0.1 | 0.51 | 0.1 | 18.6 | 52 | 56.7 | 4.23 | 8 | 0.02 | 0.50 | 6 | 1.97 | 451 | 0.8 |
| 1090465 | Soil | 5.0 | <0.1 | 2.12 | 7.0 | 2 | 279 | 0.1 | 0.46 | <0.1 | 14.8 | 38 | 35.6 | 3.21 | 6 | 0.04 | 0.07 | 10 | 0.99 | 351 | 0.8 |
| 1090463 | Soil | 4.7 | 0.1 | 2.69 | 7.6 | 2 | 286 | 0.1 | 0.55 | 0.1 | 15.5 | 41 | 54.4 | 3.83 | 8 | 0.02 | 0.07 | 11 | 1.13 | 456 | 0.9 |
| 1090468 | Soil | 6.1 | 0.1 | 2.68 | 4.6 | 2 | 273 | 0.1 | 0.39 | 0.1 | 14.9 | 46 | 57.9 | 3.76 | 9 | 0.02 | 0.50 | 7 | 1.70 | 600 | 1.2 |
| 1090470 | Soil | 2.3 | 0.1 | 2.21 | 4.3 | 2 | 223 | <0.1 | 0.57 | 0.1 | 15.0 | 40 | 57.2 | 3.19 | 6 | 0.03 | 0.13 | 10 | 1.26 | 315 | 0.5 |
| 1090452 | Soil | 1.5 | <0.1 | 1.85 | 6.0 | <1 | 148 | 0.2 | 0.26 | <0.1 | 10.0 | 32 | 13.9 | 2.68 | 6 | 0.02 | 0.05 | 10 | 0.72 | 297 | 0.8 |
| 1090453 | Soil | 3.8 | <0.1 | 1.61 | 4.1 | 1 | 137 | 0.1 | 0.26 | 0.1 | 7.0 | 32 | 15.0 | 2.04 | 5 | 0.03 | 0.04 | 8 | 0.51 | 177 | 0.5 |
| 1090455 | Soil | 2.8 | 0.1 | 1.34 | 5.8 | 1 | 119 | 0.3 | 0.23 | 0.1 | 9.8 | 30 | 15.9 | 2.32 | 5 | 0.04 | 0.05 | 7 | 0.59 | 415 | 0.9 |
| 1090454 | Soil | 3.5 | <0.1 | 1.33 | 4.3 | 1 | 119 | 0.3 | 0.27 | 0.1 | 6.0 | 28 | 13.8 | 2.21 | 5 | 0.03 | 0.04 | 7 | 0.53 | 150 | 0.5 |
| 1090451 | Soil | 6.3 | <0.1 | 1.29 | 6.0 | 1 | 132 | 0.2 | 0.25 | 0.1 | 9.9 | 25 | 11.3 | 2.45 | 5 | 0.03 | 0.05 | 10 | 0.56 | 466 | 1.3 |
| 1090456 | Soil | 2.9 | <0.1 | 1.14 | 3.7 | <1 | 126 | 0.2 | 0.28 | 0.1 | 5.3 | 25 | 15.0 | 1.85 | 4 | 0.05 | 0.03 | 8 | 0.41 | 131 | 0.4 |
| 1090459 | Soil | 3.4 | 0.1 | 1.52 | 3.7 | 1 | 171 | 0.2 | 0.22 | 0.2 | 7.7 | 22 | 23.4 | 2.35 | 6 | 0.04 | 0.11 | 7 | 0.63 | 194 | 0.5 |
| 1090461 | Soil | 3.2 | <0.1 | 1.85 | 6.7 | <1 | 204 | 0.2 | 0.36 | 0.2 | 13.1 | 28 | 30.9 | 3.25 | 6 | 0.02 | 0.05 | 8 | 0.80 | 468 | 0.7 |

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Project: TSL
Report Date: August 29, 2011



# CERTIFICATE OF ANALYSIS DAW11000173.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Na | Ni | P | Pb | S | Sb | Sc | Se | Sr | Te | Th | Ti | Tl | U | V | W | Zn |
| | Unit | % | ppm | % | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | MDL | 0.001 | 0.1 | 0.001 | 0.1 | 0.05 | 0.1 | 0.1 | 0.5 | 1 | 0.2 | 0.1 | 0.001 | 0.1 | 0.1 | 2 | 0.1 | 1 |
| 1162443 | Soil | 0.019 | 19.3 | 0.064 | 7.4 | <0.05 | 0.2 | 5.8 | <0.5 | 24 | <0.2 | 1.6 | 0.080 | <0.1 | 0.5 | 89 | 0.1 | 80 |
| 1160150 | Soil | 0.018 | 20.9 | 0.060 | 7.5 | <0.05 | 0.3 | 5.7 | <0.5 | 21 | <0.2 | 2.0 | 0.101 | <0.1 | 0.5 | 98 | 0.1 | 77 |
| 1160149 | Soil | 0.019 | 22.0 | 0.043 | 7.4 | <0.05 | 0.3 | 6.0 | <0.5 | 27 | <0.2 | 2.3 | 0.079 | <0.1 | 0.6 | 92 | 0.1 | 74 |
| 1090441 | Soil | 0.019 | 21.1 | 0.050 | 10.2 | <0.05 | 0.4 | 6.4 | <0.5 | 29 | <0.2 | 2.2 | 0.075 | <0.1 | 0.8 | 75 | 0.1 | 67 |
| 1090443 | Soil | 0.019 | 20.9 | 0.044 | 8.9 | <0.05 | 0.3 | 6.1 | <0.5 | 25 | <0.2 | 2.5 | 0.102 | <0.1 | 0.6 | 83 | 0.1 | 69 |
| 1090442 | Soil | 0.018 | 21.4 | 0.044 | 9.3 | <0.05 | 0.3 | 6.2 | <0.5 | 26 | <0.2 | 2.6 | 0.099 | <0.1 | 0.6 | 80 | 0.1 | 72 |
| 1090440 | Soil | 0.014 | 17.0 | 0.053 | 7.1 | <0.05 | 0.3 | 6.0 | <0.5 | 23 | <0.2 | 1.4 | 0.070 | <0.1 | 0.4 | 88 | 0.1 | 74 |
| 1090439 | Soil | 0.015 | 18.2 | 0.048 | 7.8 | <0.05 | 0.2 | 3.8 | <0.5 | 20 | <0.2 | 1.5 | 0.098 | <0.1 | 0.5 | 74 | <0.1 | 59 |
| 1090438 | Soil | 0.015 | 16.9 | 0.052 | 8.6 | <0.05 | 0.2 | 3.4 | <0.5 | 21 | <0.2 | 1.7 | 0.089 | <0.1 | 0.5 | 54 | 0.1 | 59 |
| 1090435 | Soil | <0.001 | 352.5 | 0.012 | 1.7 | <0.05 | 0.6 | 0.3 | <0.5 | 18 | <0.2 | 0.1 | <0.001 | <0.1 | 3.5 | <2 | <0.1 | 2093 |
| 1090437 | Soil | 0.012 | 16.2 | 0.066 | 9.8 | <0.05 | 0.2 | 2.3 | <0.5 | 17 | <0.2 | 0.9 | 0.059 | <0.1 | 0.7 | 52 | 0.1 | 48 |
| 1090436 | Soil | 0.017 | 21.0 | 0.056 | 10.3 | <0.05 | 0.3 | 3.5 | <0.5 | 26 | <0.2 | 2.1 | 0.074 | 0.1 | 0.6 | 57 | 0.1 | 62 |
| 1090434 | Soil | 0.015 | 19.4 | 0.070 | 12.4 | <0.05 | 0.3 | 3.3 | <0.5 | 25 | <0.2 | 1.3 | 0.068 | <0.1 | 0.6 | 49 | 0.1 | 56 |
| 1090433 | Soil | 0.015 | 18.6 | 0.061 | 11.4 | <0.05 | 0.3 | 3.4 | <0.5 | 21 | <0.2 | 1.8 | 0.085 | <0.1 | 0.5 | 61 | 0.1 | 64 |
| 1090466 | Soil | 0.019 | 30.4 | 0.101 | 9.7 | <0.05 | <0.1 | 3.3 | 0.6 | 35 | <0.2 | 0.7 | 0.206 | 0.4 | 0.3 | 146 | <0.1 | 114 |
| 1090467 | Soil | 0.018 | 37.6 | 0.035 | 8.0 | <0.05 | 0.1 | 6.0 | <0.5 | 21 | <0.2 | 1.0 | 0.209 | <0.1 | 0.2 | 124 | <0.1 | 81 |
| 1090464 | Soil | 0.027 | 31.2 | 0.083 | 10.1 | 0.07 | 1.0 | 4.4 | <0.5 | 36 | <0.2 | 1.8 | 0.079 | <0.1 | 0.7 | 65 | 0.1 | 68 |
| 1090469 | Soil | 0.021 | 29.0 | 0.059 | 7.9 | <0.05 | 0.2 | 5.2 | <0.5 | 27 | <0.2 | 1.7 | 0.201 | 0.2 | 0.4 | 126 | <0.1 | 88 |
| 1090465 | Soil | 0.016 | 24.3 | 0.050 | 8.6 | <0.05 | 0.3 | 4.5 | <0.5 | 25 | <0.2 | 2.2 | 0.120 | 0.1 | 0.7 | 81 | 0.2 | 68 |
| 1090463 | Soil | 0.022 | 24.4 | 0.053 | 8.3 | <0.05 | 0.3 | 6.4 | <0.5 | 29 | <0.2 | 2.4 | 0.142 | <0.1 | 0.7 | 111 | <0.1 | 75 |
| 1090468 | Soil | 0.018 | 20.1 | 0.064 | 7.9 | <0.05 | 0.1 | 4.5 | <0.5 | 20 | <0.2 | 1.4 | 0.222 | <0.1 | 0.4 | 128 | <0.1 | 73 |
| 1090470 | Soil | 0.021 | 24.2 | 0.057 | 7.4 | <0.05 | 0.3 | 5.7 | <0.5 | 27 | <0.2 | 2.3 | 0.147 | <0.1 | 0.6 | 85 | 0.1 | 67 |
| 1090452 | Soil | 0.019 | 16.6 | 0.060 | 11.6 | <0.05 | 0.2 | 3.1 | <0.5 | 20 | <0.2 | 2.3 | 0.077 | <0.1 | 0.7 | 62 | 0.1 | 68 |
| 1090453 | Soil | 0.013 | 15.4 | 0.049 | 10.8 | <0.05 | 0.2 | 2.8 | <0.5 | 18 | <0.2 | 1.2 | 0.065 | <0.1 | 0.5 | 48 | 0.1 | 52 |
| 1090455 | Soil | 0.013 | 13.0 | 0.050 | 15.1 | 0.11 | 0.3 | 2.4 | 0.6 | 19 | <0.2 | 1.3 | 0.082 | <0.1 | 0.6 | 62 | 0.2 | 57 |
| 1090454 | Soil | 0.013 | 13.5 | 0.042 | 12.4 | 0.08 | 0.2 | 2.4 | <0.5 | 21 | <0.2 | 1.4 | 0.070 | <0.1 | 0.5 | 43 | 0.1 | 50 |
| 1090451 | Soil | 0.012 | 13.8 | 0.070 | 10.0 | <0.05 | 0.3 | 2.5 | <0.5 | 20 | <0.2 | 2.5 | 0.065 | <0.1 | 0.7 | 56 | 0.2 | 59 |
| 1090456 | Soil | 0.013 | 13.2 | 0.052 | 8.0 | 0.05 | 0.3 | 2.7 | <0.5 | 20 | <0.2 | 0.9 | 0.050 | <0.1 | 0.7 | 36 | 0.1 | 43 |
| 1090459 | Soil | 0.013 | 12.1 | 0.057 | 8.9 | <0.05 | 0.3 | 3.8 | <0.5 | 19 | <0.2 | 1.0 | 0.088 | <0.1 | 0.6 | 51 | 0.1 | 55 |
| 1090461 | Soil | 0.018 | 15.9 | 0.049 | 8.6 | <0.05 | 0.5 | 5.5 | <0.5 | 23 | <0.2 | 2.2 | 0.081 | <0.1 | 0.5 | 81 | 0.1 | 68 |

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Project: TSL
Report Date: August 29, 2011



# CERTIFICATE OF ANALYSIS DAW11000173.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Au | Ag | Al | As | B | Ba | Bi | Ca | Cd | Co | Cr | Cu | Fe | Ga | Hg | K | La | Mg | Mn | Mo |
| | Unit | ppb | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | % | ppm | ppm |
| | MDL | 0.5 | 0.1 | 0.01 | 0.5 | 1 | 1 | 0.1 | 0.01 | 0.1 | 0.1 | 1 | 0.1 | 0.01 | 1 | 0.01 | 0.01 | 1 | 0.01 | 1 | 0.1 |
| 1090462 | Soil | 3.5 | 0.1 | 1.42 | 143.0 | 2 | 312 | 0.1 | 0.57 | 0.2 | 20.8 | 24 | 63.3 | 5.10 | 4 | 0.04 | 0.13 | 11 | 0.74 | 513 | 0.6 |
| 1090476 | Soil | 1.8 | <0.1 | 1.84 | 4.5 | <1 | 223 | 0.1 | 0.63 | 0.2 | 13.6 | 32 | 39.4 | 2.84 | 6 | 0.02 | 0.05 | 9 | 1.02 | 373 | 0.5 |
| 1090475 | Soil | 3.2 | 0.1 | 2.22 | 5.2 | 1 | 231 | 0.1 | 0.91 | 0.3 | 17.7 | 36 | 51.4 | 3.37 | 6 | 0.05 | 0.05 | 9 | 1.42 | 566 | 0.4 |
| 1090457 | Soil | 1.1 | <0.1 | 1.19 | 2.9 | <1 | 120 | 0.1 | 0.21 | <0.1 | 5.5 | 24 | 16.0 | 1.59 | 5 | 0.04 | 0.04 | 8 | 0.41 | 141 | 0.4 |
| 1090472 | Soil | 1.1 | <0.1 | 1.44 | 5.4 | <1 | 113 | 0.1 | 0.29 | 0.1 | 15.0 | 27 | 21.9 | 2.51 | 5 | 0.03 | 0.04 | 7 | 0.64 | 581 | 0.7 |
| 1090471 | Soil | 2.9 | <0.1 | 1.65 | 5.9 | <1 | 122 | 0.1 | 0.26 | 0.1 | 9.7 | 28 | 23.4 | 2.47 | 5 | 0.04 | 0.04 | 7 | 0.77 | 223 | 0.6 |
| 1090473 | Soil | 2.7 | 0.1 | 1.77 | 4.4 | <1 | 163 | 0.1 | 0.49 | 0.2 | 20.3 | 47 | 31.4 | 3.28 | 6 | 0.02 | 0.04 | 8 | 1.14 | 895 | 0.7 |
| 1090474 | Soil | 7.6 | <0.1 | 1.74 | 4.4 | <1 | 186 | 0.1 | 0.61 | 0.2 | 12.3 | 30 | 28.0 | 2.52 | 5 | 0.03 | 0.04 | 8 | 0.80 | 470 | 0.6 |
| 1090481 | Soil | 1.9 | 0.1 | 1.84 | 4.5 | <1 | 330 | 0.1 | 0.55 | 0.1 | 13.9 | 25 | 35.5 | 3.19 | 6 | 0.04 | 0.06 | 10 | 0.91 | 649 | 0.6 |
| 1090479 | Soil | 2.1 | <0.1 | 1.80 | 4.9 | <1 | 337 | 0.2 | 0.39 | 0.1 | 9.9 | 27 | 22.5 | 2.54 | 6 | 0.03 | 0.05 | 18 | 0.66 | 320 | 0.6 |
| 1090477 | Soil | 6.4 | 0.1 | 1.63 | 4.4 | 2 | 205 | 0.1 | 0.59 | 0.3 | 12.3 | 30 | 33.1 | 2.49 | 5 | 0.02 | 0.06 | 12 | 0.90 | 376 | 0.4 |
| 1090478 | Soil | 1.0 | <0.1 | 1.94 | 5.7 | <1 | 262 | 0.1 | 0.36 | 0.1 | 17.1 | 32 | 31.3 | 3.83 | 6 | 0.03 | 0.07 | 10 | 0.91 | 647 | 0.8 |
| 1090460 | Soil | 0.6 | <0.1 | 1.82 | 5.0 | <1 | 218 | <0.1 | 0.44 | 0.3 | 12.9 | 21 | 46.7 | 3.27 | 6 | 0.03 | 0.15 | 7 | 0.94 | 511 | 0.6 |
| 1090480 | Soil | 1.6 | <0.1 | 2.47 | 6.8 | <1 | 626 | 0.1 | 0.42 | 0.1 | 18.4 | 42 | 55.6 | 4.53 | 8 | 0.01 | 0.24 | 13 | 1.37 | 596 | 0.7 |
| 1090458 | Soil | 4.1 | <0.1 | 1.40 | 4.1 | <1 | 121 | 0.1 | 0.24 | <0.1 | 5.2 | 24 | 14.9 | 1.84 | 5 | 0.03 | 0.05 | 8 | 0.49 | 131 | 0.3 |
| 1090482 | Soil | 1.2 | 0.1 | 1.95 | 4.9 | <1 | 395 | 0.1 | 0.49 | 0.2 | 15.1 | 27 | 31.5 | 3.33 | 7 | 0.03 | 0.06 | 10 | 1.03 | 701 | 0.5 |
| 1162449 | Soil | 2.2 | 0.1 | 2.18 | 5.3 | <1 | 248 | 0.2 | 0.48 | 0.2 | 15.6 | 43 | 68.6 | 3.74 | 7 | 0.02 | 0.09 | 9 | 1.05 | 460 | 1.0 |
| 1162448 | Soil | 1.3 | <0.1 | 1.81 | 5.2 | <1 | 147 | 0.7 | 0.33 | 0.1 | 18.5 | 79 | 43.2 | 3.22 | 8 | 0.02 | 0.08 | 9 | 0.99 | 650 | 0.8 |
| 1162447 | Soil | 1.9 | 0.2 | 1.95 | 5.5 | 1 | 454 | 0.3 | 0.48 | 0.4 | 11.3 | 31 | 30.5 | 2.69 | 6 | 0.05 | 0.07 | 30 | 0.65 | 657 | 0.9 |
| 1162450 | Soil | <0.5 | <0.1 | 2.08 | 5.1 | <1 | 163 | <0.1 | 0.42 | 0.1 | 17.2 | 22 | 53.8 | 4.11 | 7 | <0.01 | 0.07 | 6 | 1.08 | 381 | 0.5 |
| 1160046 | Soil | 1.6 | 0.2 | 1.94 | 4.8 | <1 | 271 | 0.2 | 0.33 | 0.2 | 12.2 | 35 | 34.0 | 2.95 | 7 | 0.04 | 0.13 | 10 | 0.97 | 393 | 0.7 |
| 1160047 | Soil | 2.5 | 0.3 | 1.87 | 4.7 | <1 | 264 | 0.2 | 0.32 | 0.1 | 11.1 | 27 | 45.1 | 2.91 | 7 | 0.02 | 0.17 | 9 | 0.93 | 297 | 0.6 |
| 1160048 | Soil | 2.1 | 0.2 | 1.78 | 15.4 | <1 | 168 | 0.1 | 0.28 | 0.1 | 17.2 | 27 | 69.8 | 3.05 | 6 | <0.01 | 0.08 | 8 | 0.67 | 485 | 1.3 |
| 1160049 | Soil | 2.8 | 0.1 | 1.48 | 6.3 | <1 | 133 | 0.1 | 0.25 | 0.1 | 6.2 | 24 | 29.0 | 1.98 | 6 | 0.03 | 0.04 | 7 | 0.45 | 165 | 0.7 |
| 1167939 | Soil | 1.7 | 0.1 | 1.58 | 6.5 | <1 | 234 | 0.1 | 0.51 | 0.3 | 10.1 | 30 | 20.3 | 2.56 | 5 | 0.03 | 0.05 | 10 | 0.64 | 350 | 0.6 |
| 1167937 | Soil | 0.8 | <0.1 | 2.03 | 5.0 | <1 | 263 | <0.1 | 0.47 | 0.1 | 12.4 | 27 | 29.2 | 3.22 | 6 | 0.01 | 0.12 | 9 | 1.04 | 397 | 0.6 |
| 1167940 | Soil | 3.7 | <0.1 | 1.84 | 7.7 | <1 | 188 | 0.2 | 0.36 | 0.2 | 16.0 | 37 | 42.2 | 3.57 | 6 | 0.01 | 0.04 | 11 | 0.80 | 424 | 0.8 |
| 1167936 | Soil | 3.3 | <0.1 | 1.94 | 4.2 | <1 | 184 | 0.1 | 0.52 | 0.1 | 13.6 | 28 | 34.9 | 2.90 | 6 | 0.01 | 0.09 | 7 | 1.21 | 332 | 0.6 |
| 1167938 | Soil | 1.2 | 0.1 | 1.90 | 6.7 | <1 | 318 | 0.1 | 0.38 | 0.2 | 15.2 | 25 | 63.7 | 3.93 | 6 | 0.02 | 0.07 | 10 | 0.98 | 483 | 0.8 |
| 1090362 | Soil | 3.7 | 0.1 | 2.03 | 4.2 | <1 | 222 | 0.1 | 0.59 | 0.1 | 12.5 | 31 | 35.8 | 2.91 | 6 | 0.02 | 0.14 | 8 | 1.17 | 366 | 0.7 |

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Project: TSL
Report Date: August 29, 2011



# CERTIFICATE OF ANALYSIS DAW11000173.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Na | Ni | P | Pb | S | Sb | Sc | Se | Sr | Te | Th | Ti | Tl | U | V | W | Zn |
| | Unit | % | ppm | % | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | MDL | 0.001 | 0.1 | 0.001 | 0.1 | 0.05 | 0.1 | 0.1 | 0.5 | 1 | 0.2 | 0.1 | 0.001 | 0.1 | 0.1 | 2 | 0.1 | 1 |
| 1090462 | Soil | 0.014 | 19.8 | 0.062 | 6.9 | <0.05 | 1.2 | 15.5 | 0.7 | 27 | <0.2 | 2.5 | 0.016 | 0.1 | 0.6 | 95 | <0.1 | 84 |
| 1090476 | Soil | 0.023 | 19.9 | 0.064 | 7.6 | <0.05 | 0.2 | 5.2 | <0.5 | 33 | <0.2 | 2.2 | 0.064 | <0.1 | 0.7 | 70 | 0.2 | 76 |
| 1090475 | Soil | 0.023 | 21.4 | 0.057 | 9.3 | <0.05 | 0.3 | 8.5 | <0.5 | 40 | <0.2 | 1.8 | 0.056 | <0.1 | 0.6 | 85 | 0.2 | 74 |
| 1090457 | Soil | 0.013 | 11.3 | 0.039 | 9.5 | 0.05 | 0.2 | 2.6 | <0.5 | 19 | <0.2 | 0.8 | 0.059 | <0.1 | 0.5 | 34 | <0.1 | 42 |
| 1090472 | Soil | 0.018 | 13.9 | 0.059 | 7.1 | <0.05 | 0.3 | 3.3 | <0.5 | 24 | <0.2 | 1.1 | 0.082 | <0.1 | 0.5 | 75 | 0.1 | 54 |
| 1090471 | Soil | 0.016 | 15.3 | 0.058 | 8.4 | <0.05 | 0.3 | 3.0 | <0.5 | 21 | <0.2 | 1.2 | 0.084 | <0.1 | 0.5 | 67 | 0.1 | 60 |
| 1090473 | Soil | 0.020 | 20.8 | 0.059 | 11.3 | <0.05 | 0.3 | 6.5 | <0.5 | 35 | <0.2 | 1.5 | 0.085 | <0.1 | 0.5 | 91 | 0.2 | 68 |
| 1090474 | Soil | 0.022 | 16.4 | 0.054 | 8.3 | <0.05 | 0.3 | 4.0 | <0.5 | 38 | <0.2 | 1.1 | 0.070 | <0.1 | 0.6 | 68 | 0.1 | 62 |
| 1090481 | Soil | 0.019 | 16.1 | 0.064 | 10.9 | 0.05 | 0.3 | 6.8 | <0.5 | 38 | <0.2 | 1.3 | 0.051 | <0.1 | 0.7 | 73 | 0.1 | 80 |
| 1090479 | Soil | 0.017 | 15.5 | 0.057 | 12.2 | <0.05 | 0.5 | 5.3 | <0.5 | 33 | <0.2 | 2.1 | 0.052 | <0.1 | 0.9 | 59 | 0.1 | 68 |
| 1090477 | Soil | 0.028 | 21.0 | 0.073 | 12.1 | <0.05 | 0.4 | 5.3 | 0.5 | 44 | <0.2 | 3.0 | 0.095 | <0.1 | 1.0 | 61 | 0.1 | 77 |
| 1090478 | Soil | 0.016 | 17.5 | 0.056 | 10.8 | <0.05 | 0.5 | 5.6 | 0.6 | 26 | <0.2 | 2.4 | 0.065 | <0.1 | 0.7 | 76 | 0.1 | 78 |
| 1090460 | Soil | 0.027 | 12.5 | 0.057 | 6.2 | <0.05 | 0.3 | 5.6 | <0.5 | 25 | <0.2 | 1.7 | 0.108 | <0.1 | 0.4 | 85 | <0.1 | 77 |
| 1090480 | Soil | 0.017 | 27.2 | 0.096 | 16.5 | <0.05 | 0.4 | 9.4 | <0.5 | 33 | <0.2 | 3.9 | 0.117 | 0.1 | 0.8 | 104 | 0.1 | 91 |
| 1090458 | Soil | 0.015 | 12.2 | 0.046 | 9.4 | <0.05 | 0.2 | 3.0 | <0.5 | 20 | <0.2 | 0.8 | 0.070 | <0.1 | 0.5 | 38 | 0.1 | 44 |
| 1090482 | Soil | 0.019 | 16.2 | 0.074 | 9.7 | <0.05 | 0.4 | 8.7 | <0.5 | 33 | <0.2 | 1.5 | 0.071 | <0.1 | 0.7 | 82 | 0.1 | 88 |
| 1162449 | Soil | 0.028 | 23.5 | 0.059 | 15.6 | <0.05 | 0.5 | 7.5 | 0.5 | 31 | <0.2 | 2.0 | 0.118 | <0.1 | 0.7 | 87 | <0.1 | 128 |
| 1162448 | Soil | 0.020 | 32.7 | 0.070 | 74.0 | <0.05 | 0.3 | 4.3 | <0.5 | 24 | <0.2 | 2.2 | 0.111 | <0.1 | 0.7 | 83 | 0.1 | 63 |
| 1162447 | Soil | 0.019 | 20.8 | 0.095 | 23.0 | <0.05 | 0.4 | 4.5 | 0.5 | 38 | <0.2 | 2.3 | 0.062 | <0.1 | 1.6 | 54 | 0.1 | 79 |
| 1162450 | Soil | 0.035 | 14.2 | 0.059 | 7.8 | <0.05 | 0.2 | 6.2 | <0.5 | 24 | <0.2 | 1.5 | 0.138 | <0.1 | 0.4 | 118 | <0.1 | 65 |
| 1160046 | Soil | 0.020 | 19.0 | 0.065 | 23.0 | <0.05 | 0.3 | 4.9 | <0.5 | 28 | <0.2 | 1.7 | 0.126 | <0.1 | 0.9 | 75 | 0.1 | 66 |
| 1160047 | Soil | 0.018 | 15.8 | 0.061 | 14.7 | <0.05 | 0.2 | 5.1 | 0.5 | 26 | <0.2 | 2.0 | 0.142 | <0.1 | 0.7 | 73 | 0.1 | 69 |
| 1160048 | Soil | 0.017 | 16.8 | 0.049 | 15.5 | <0.05 | 0.3 | 3.7 | 0.5 | 27 | <0.2 | 2.2 | 0.123 | <0.1 | 0.6 | 76 | 0.1 | 62 |
| 1160049 | Soil | 0.017 | 11.9 | 0.049 | 11.7 | <0.05 | 0.2 | 2.7 | 0.6 | 23 | <0.2 | 0.9 | 0.091 | <0.1 | 0.5 | 48 | 0.1 | 44 |
| 1167939 | Soil | 0.020 | 18.0 | 0.059 | 8.9 | <0.05 | 0.4 | 3.9 | <0.5 | 31 | <0.2 | 2.0 | 0.070 | <0.1 | 0.6 | 60 | 0.2 | 66 |
| 1167937 | Soil | 0.023 | 15.4 | 0.070 | 8.2 | <0.05 | 0.2 | 5.5 | <0.5 | 28 | <0.2 | 2.3 | 0.109 | <0.1 | 0.5 | 77 | 0.1 | 74 |
| 1167940 | Soil | 0.017 | 23.4 | 0.066 | 7.7 | <0.05 | 0.4 | 3.9 | 0.6 | 30 | <0.2 | 3.5 | 0.108 | 0.1 | 0.8 | 74 | 0.2 | 63 |
| 1167936 | Soil | 0.023 | 20.5 | 0.058 | 9.1 | <0.05 | 0.3 | 4.4 | <0.5 | 33 | <0.2 | 1.9 | 0.101 | <0.1 | 0.5 | 70 | 0.1 | 73 |
| 1167938 | Soil | 0.019 | 15.6 | 0.066 | 10.7 | 0.05 | 0.3 | 6.7 | 0.9 | 27 | <0.2 | 3.2 | 0.066 | <0.1 | 0.7 | 81 | 0.1 | 95 |
| 1090362 | Soil | 0.022 | 18.0 | 0.050 | 6.3 | <0.05 | 0.3 | 4.7 | <0.5 | 35 | <0.2 | 1.7 | 0.131 | 0.1 | 0.6 | 78 | 0.1 | 62 |

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Project: TSL
Report Date: August 29, 2011



# CERTIFICATE OF ANALYSIS DAW11000173.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Au | Ag | Al | As | B | Ba | Bi | Ca | Cd | Co | Cr | Cu | Fe | Ga | Hg | K | La | Mg | Mn | Mo |
| | Unit | ppb | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | % | ppm | ppm |
| | MDL | 0.5 | 0.1 | 0.01 | 0.5 | 1 | 1 | 0.1 | 0.01 | 0.1 | 0.1 | 1 | 0.1 | 0.01 | 1 | 0.01 | 0.01 | 1 | 0.01 | 1 | 0.1 |
| 1167942 | Soil | 3.2 | 0.2 | 2.17 | 5.1 | 3 | 357 | 0.2 | 0.42 | 0.2 | 19.2 | 38 | 39.2 | 3.98 | 8 | 0.04 | 0.08 | 10 | 1.07 | 863 | 0.8 |
| 1167943 | Soil | 1.2 | <0.1 | 2.06 | 11.6 | 2 | 278 | 0.1 | 0.38 | 0.2 | 14.1 | 35 | 31.7 | 3.34 | 7 | 0.02 | 0.18 | 8 | 1.12 | 356 | 0.9 |
| 1073601 | Soil | 0.6 | <0.1 | 2.14 | 4.9 | 2 | 600 | <0.1 | 0.47 | 0.2 | 18.1 | 25 | 45.7 | 5.23 | 8 | 0.26 | 0.50 | 14 | 1.34 | 939 | 0.6 |
| 1167944 | Soil | 11.5 | <0.1 | 2.22 | 5.0 | 2 | 448 | 0.1 | 0.36 | <0.1 | 14.2 | 40 | 28.4 | 3.67 | 8 | 0.02 | 0.19 | 8 | 1.36 | 356 | 0.9 |
| 1073602 | Soil | 1.2 | <0.1 | 2.13 | 3.7 | 1 | 359 | <0.1 | 0.58 | 0.1 | 20.9 | 28 | 65.3 | 5.15 | 7 | 0.02 | 0.15 | 11 | 1.25 | 662 | 0.7 |
| 1073603 | Soil | 1.0 | 0.1 | 1.93 | 4.1 | 1 | 263 | <0.1 | 0.45 | 0.2 | 18.0 | 26 | 30.4 | 3.64 | 7 | 0.03 | 0.10 | 9 | 1.02 | 866 | 0.7 |
| 1073604 | Soil | 2.5 | 0.1 | 2.21 | 4.2 | 2 | 333 | <0.1 | 0.59 | 0.1 | 16.1 | 29 | 36.6 | 3.51 | 7 | 0.04 | 0.09 | 10 | 1.12 | 547 | 0.7 |
| 1073605 | Soil | 1.6 | 0.1 | 1.81 | 5.2 | <1 | 335 | <0.1 | 0.89 | 0.2 | 16.3 | 28 | 31.9 | 3.54 | 6 | 0.04 | 0.06 | 11 | 0.97 | 506 | 0.5 |
| 1167941 | Soil | 1.6 | <0.1 | 1.61 | 4.2 | 1 | 206 | 0.1 | 0.54 | 0.2 | 12.0 | 36 | 17.6 | 2.60 | 6 | 0.05 | 0.05 | 8 | 0.75 | 408 | 0.6 |
| 1090353 | Soil | 0.9 | 0.1 | 1.30 | 6.2 | 2 | 129 | 0.1 | 0.22 | 0.1 | 9.2 | 24 | 25.3 | 2.30 | 5 | 0.03 | 0.04 | 7 | 0.50 | 306 | 1.0 |
| 1090357 | Soil | 2.5 | <0.1 | 1.56 | 3.5 | <1 | 122 | <0.1 | 0.22 | <0.1 | 9.2 | 25 | 24.1 | 2.29 | 5 | 0.03 | 0.07 | 6 | 0.78 | 171 | 0.5 |
| 1090352 | Soil | 2.0 | 0.1 | 1.43 | 5.4 | <1 | 136 | 0.1 | 0.26 | 0.1 | 7.8 | 25 | 22.2 | 2.11 | 5 | 0.04 | 0.04 | 8 | 0.55 | 199 | 0.6 |
| 1090355 | Soil | 1.2 | <0.1 | 1.78 | 5.1 | 1 | 137 | 0.1 | 0.32 | 0.1 | 14.2 | 30 | 27.0 | 2.81 | 6 | 0.02 | 0.06 | 8 | 0.88 | 347 | 0.6 |
| 1090356 | Soil | 1.8 | 0.1 | 1.53 | 4.6 | <1 | 144 | 0.1 | 0.26 | 0.1 | 9.2 | 25 | 25.6 | 2.25 | 6 | 0.04 | 0.06 | 8 | 0.70 | 197 | 0.7 |
| 1090354 | Soil | 6.1 | 0.1 | 1.26 | 4.3 | 1 | 110 | 0.1 | 0.21 | <0.1 | 5.5 | 25 | 18.2 | 1.82 | 5 | 0.04 | 0.04 | 7 | 0.48 | 125 | 0.4 |
| 1090360 | Soil | 3.1 | 0.2 | 1.97 | 7.5 | 1 | 189 | 0.1 | 0.55 | 0.1 | 16.7 | 36 | 31.2 | 3.40 | 6 | 0.04 | 0.08 | 8 | 1.09 | 473 | 0.8 |
| 1090361 | Soil | 6.7 | 0.1 | 2.46 | 4.3 | 2 | 202 | <0.1 | 0.48 | 0.2 | 20.1 | 38 | 44.7 | 3.81 | 7 | 0.02 | 0.38 | 6 | 1.54 | 508 | 0.6 |
| 1090359 | Soil | 1.3 | 0.2 | 1.97 | 3.8 | 1 | 178 | <0.1 | 0.49 | 0.1 | 18.4 | 37 | 40.0 | 3.20 | 6 | 0.03 | 0.16 | 6 | 1.26 | 477 | 0.8 |
| 1090358 | Soil | 2.6 | 0.3 | 2.43 | 9.3 | <1 | 228 | <0.1 | 0.74 | 0.1 | 23.4 | 37 | 97.4 | 4.19 | 7 | 0.03 | 0.17 | 8 | 1.47 | 520 | 0.7 |
| 1160050 | Soil | 2.5 | 0.1 | 1.85 | 8.4 | 2 | 164 | 0.1 | 0.30 | 0.1 | 14.1 | 29 | 27.7 | 2.68 | 6 | 0.03 | 0.05 | 9 | 0.69 | 352 | 0.7 |
| 1090351 | Soil | 3.0 | <0.1 | 1.44 | 4.7 | 1 | 147 | 0.1 | 0.24 | 0.1 | 8.5 | 25 | 24.4 | 2.08 | 5 | 0.04 | 0.04 | 8 | 0.54 | 258 | 0.7 |
| 1167913 | Soil | 3.7 | <0.1 | 2.33 | 7.9 | 1 | 307 | 0.1 | 0.63 | <0.1 | 17.8 | 45 | 34.7 | 3.51 | 7 | 0.03 | 0.21 | 9 | 1.43 | 506 | 0.6 |
| 1167912 | Soil | 1.7 | <0.1 | 1.68 | 6.4 | 1 | 159 | 0.2 | 0.16 | 0.2 | 10.1 | 23 | 33.9 | 3.52 | 7 | 0.03 | 0.08 | 7 | 0.59 | 367 | 1.6 |
| 1167914 | Soil | 1.8 | 0.1 | 2.00 | 12.4 | <1 | 274 | 0.1 | 0.66 | <0.1 | 15.8 | 40 | 33.1 | 3.05 | 6 | 0.04 | 0.09 | 8 | 1.02 | 345 | 0.3 |
| 1167911 | Soil | 2.1 | 0.1 | 1.95 | 6.3 | 1 | 287 | 0.1 | 0.49 | <0.1 | 12.3 | 37 | 44.4 | 2.91 | 6 | 0.03 | 0.06 | 12 | 0.73 | 325 | 1.0 |
| 1167915 | Soil | 3.5 | 0.1 | 2.12 | 4.8 | 1 | 234 | 0.1 | 0.49 | 0.1 | 16.7 | 30 | 38.5 | 3.35 | 6 | 0.03 | 0.17 | 8 | 1.11 | 474 | 0.6 |
| 1167916 | Soil | 3.8 | 0.1 | 2.12 | 4.1 | 1 | 163 | <0.1 | 0.37 | 0.1 | 17.1 | 40 | 41.4 | 3.42 | 6 | 0.02 | 0.17 | 6 | 1.33 | 487 | 0.7 |
| 1167917 | Soil | 6.4 | 0.2 | 2.30 | 4.3 | <1 | 185 | 0.1 | 0.47 | 0.1 | 17.9 | 49 | 49.0 | 3.14 | 7 | 0.02 | 0.15 | 7 | 1.40 | 356 | 0.7 |
| 1167918 | Soil | 1.8 | <0.1 | 1.85 | 5.0 | <1 | 178 | <0.1 | 0.51 | 0.2 | 19.8 | 30 | 31.6 | 3.21 | 6 | 0.03 | 0.09 | 7 | 1.06 | 672 | 0.7 |
| 1160761 | Soil | 24.3 | <0.1 | 1.94 | 4.2 | 2 | 149 | 0.1 | 0.50 | 0.2 | 17.0 | 34 | 26.4 | 3.22 | 6 | 0.03 | 0.05 | 7 | 1.20 | 569 | 0.4 |

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Project: TSL
Report Date: August 29, 2011



# CERTIFICATE OF ANALYSIS DAW11000173.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Na | Ni | P | Pb | S | Sb | Sc | Se | Sr | Te | Th | Ti | Tl | U | V | W | Zn |
| | Unit | % | ppm | % | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | MDL | 0.001 | 0.1 | 0.001 | 0.1 | 0.05 | 0.1 | 0.1 | 0.5 | 1 | 0.2 | 0.1 | 0.001 | 0.1 | 0.1 | 2 | 0.1 | 1 |
| 1167942 | Soil | 0.016 | 18.8 | 0.050 | 15.6 | <0.05 | 0.3 | 6.1 | <0.5 | 29 | <0.2 | 1.4 | 0.096 | 0.1 | 0.6 | 106 | 0.2 | 80 |
| 1167943 | Soil | 0.015 | 19.7 | 0.038 | 7.1 | <0.05 | 0.3 | 4.4 | <0.5 | 25 | <0.2 | 1.9 | 0.156 | <0.1 | 0.6 | 93 | 0.1 | 66 |
| 1073601 | Soil | 0.014 | 14.3 | 0.090 | 8.1 | <0.05 | 0.8 | 11.2 | <0.5 | 24 | <0.2 | 3.4 | 0.180 | 0.2 | 0.6 | 117 | 0.2 | 101 |
| 1167944 | Soil | 0.016 | 20.2 | 0.030 | 7.7 | <0.05 | 0.3 | 5.2 | <0.5 | 26 | <0.2 | 2.0 | 0.191 | <0.1 | 0.4 | 115 | <0.1 | 66 |
| 1073602 | Soil | 0.014 | 16.6 | 0.065 | 8.5 | <0.05 | 0.4 | 14.4 | <0.5 | 30 | <0.2 | 2.2 | 0.038 | <0.1 | 0.6 | 124 | <0.1 | 95 |
| 1073603 | Soil | 0.014 | 14.4 | 0.069 | 8.2 | <0.05 | 0.3 | 6.8 | <0.5 | 26 | <0.2 | 1.4 | 0.069 | <0.1 | 0.5 | 95 | 0.1 | 76 |
| 1073604 | Soil | 0.017 | 19.4 | 0.063 | 8.4 | <0.05 | 0.3 | 7.2 | <0.5 | 34 | <0.2 | 1.6 | 0.074 | <0.1 | 0.7 | 90 | <0.1 | 81 |
| 1073605 | Soil | 0.025 | 20.2 | 0.077 | 7.9 | <0.05 | 0.2 | 8.1 | <0.5 | 47 | <0.2 | 1.4 | 0.062 | <0.1 | 0.6 | 83 | 0.1 | 91 |
| 1167941 | Soil | 0.017 | 18.4 | 0.063 | 7.7 | <0.05 | 0.3 | 4.5 | <0.5 | 29 | <0.2 | 1.0 | 0.060 | <0.1 | 0.5 | 68 | 0.1 | 65 |
| 1090353 | Soil | 0.014 | 12.5 | 0.055 | 7.8 | <0.05 | 0.3 | 2.3 | 0.6 | 19 | <0.2 | 0.6 | 0.069 | <0.1 | 0.5 | 68 | 0.1 | 45 |
| 1090357 | Soil | 0.014 | 13.4 | 0.038 | 4.9 | <0.05 | 0.1 | 2.6 | <0.5 | 19 | <0.2 | 1.0 | 0.120 | <0.1 | 0.5 | 67 | <0.1 | 49 |
| 1090352 | Soil | 0.015 | 14.3 | 0.052 | 8.7 | <0.05 | 0.2 | 2.9 | <0.5 | 20 | <0.2 | 0.9 | 0.079 | <0.1 | 0.6 | 55 | 0.1 | 49 |
| 1090355 | Soil | 0.018 | 17.1 | 0.060 | 6.8 | <0.05 | 0.2 | 3.4 | <0.5 | 23 | <0.2 | 1.5 | 0.118 | <0.1 | 0.6 | 79 | 0.1 | 59 |
| 1090356 | Soil | 0.014 | 14.2 | 0.040 | 5.8 | <0.05 | 0.2 | 2.8 | <0.5 | 20 | <0.2 | 1.1 | 0.112 | <0.1 | 0.5 | 69 | <0.1 | 50 |
| 1090354 | Soil | 0.012 | 12.5 | 0.049 | 8.4 | <0.05 | 0.2 | 2.1 | <0.5 | 18 | <0.2 | 0.6 | 0.063 | <0.1 | 0.5 | 40 | 0.1 | 43 |
| 1090360 | Soil | 0.016 | 22.2 | 0.037 | 10.1 | <0.05 | 0.3 | 6.3 | <0.5 | 26 | <0.2 | 2.1 | 0.076 | <0.1 | 0.5 | 91 | <0.1 | 67 |
| 1090361 | Soil | 0.018 | 22.1 | 0.047 | 6.9 | <0.05 | 0.2 | 5.0 | <0.5 | 25 | <0.2 | 1.7 | 0.176 | 0.3 | 0.5 | 107 | <0.1 | 67 |
| 1090359 | Soil | 0.018 | 20.0 | 0.046 | 7.3 | <0.05 | 0.1 | 4.6 | 0.5 | 27 | <0.2 | 1.3 | 0.135 | <0.1 | 0.5 | 91 | 0.1 | 64 |
| 1090358 | Soil | 0.018 | 25.5 | 0.055 | 7.0 | <0.05 | 0.2 | 5.4 | <0.5 | 34 | <0.2 | 1.5 | 0.162 | 0.1 | 0.6 | 119 | <0.1 | 70 |
| 1160050 | Soil | 0.016 | 19.4 | 0.045 | 12.0 | <0.05 | 0.3 | 3.4 | <0.5 | 24 | <0.2 | 1.9 | 0.109 | <0.1 | 0.5 | 74 | 0.1 | 63 |
| 1090351 | Soil | 0.013 | 13.7 | 0.042 | 9.3 | <0.05 | 0.2 | 2.8 | <0.5 | 20 | <0.2 | 0.9 | 0.084 | <0.1 | 0.5 | 57 | <0.1 | 48 |
| 1167913 | Soil | 0.018 | 30.2 | 0.068 | 6.4 | <0.05 | 0.4 | 6.3 | <0.5 | 27 | <0.2 | 2.2 | 0.159 | 0.1 | 0.6 | 93 | <0.1 | 77 |
| 1167912 | Soil | 0.011 | 11.1 | 0.047 | 8.1 | <0.05 | 0.4 | 4.3 | <0.5 | 13 | <0.2 | 1.3 | 0.087 | <0.1 | 0.3 | 109 | <0.1 | 43 |
| 1167914 | Soil | 0.019 | 23.5 | 0.059 | 7.4 | <0.05 | 0.3 | 4.8 | <0.5 | 29 | <0.2 | 1.8 | 0.121 | <0.1 | 0.6 | 83 | 0.1 | 67 |
| 1167911 | Soil | 0.023 | 25.6 | 0.052 | 10.0 | <0.05 | 0.3 | 5.6 | <0.5 | 29 | <0.2 | 2.6 | 0.094 | <0.1 | 0.6 | 78 | 0.1 | 56 |
| 1167915 | Soil | 0.015 | 19.5 | 0.052 | 6.7 | <0.05 | 0.2 | 4.2 | <0.5 | 26 | <0.2 | 1.9 | 0.158 | 0.1 | 0.5 | 98 | 0.1 | 71 |
| 1167916 | Soil | 0.017 | 21.1 | 0.054 | 10.2 | <0.05 | 0.2 | 4.2 | <0.5 | 23 | <0.2 | 1.5 | 0.140 | <0.1 | 0.4 | 96 | 0.1 | 77 |
| 1167917 | Soil | 0.017 | 24.6 | 0.043 | 7.3 | <0.05 | 0.2 | 4.1 | <0.5 | 27 | <0.2 | 1.5 | 0.169 | <0.1 | 0.5 | 98 | <0.1 | 71 |
| 1167918 | Soil | 0.021 | 19.0 | 0.060 | 9.1 | <0.05 | 0.2 | 4.7 | <0.5 | 27 | <0.2 | 1.7 | 0.120 | <0.1 | 0.4 | 88 | 0.1 | 78 |
| 1160761 | Soil | 0.019 | 18.9 | 0.044 | 17.0 | <0.05 | 0.2 | 5.4 | <0.5 | 33 | <0.2 | 1.6 | 0.114 | <0.1 | 0.4 | 92 | <0.1 | 86 |

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Project: TSL
Report Date: August 29, 2011



# CERTIFICATE OF ANALYSIS DAW11000173.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Au | Ag | Al | As | B | Ba | Bi | Ca | Cd | Co | Cr | Cu | Fe | Ga | Hg | K | La | Mg | Mn | Mo |
| | Unit | ppb | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | % | ppm | ppm |
| | MDL | 0.5 | 0.1 | 0.01 | 0.5 | 1 | 1 | 0.1 | 0.01 | 0.1 | 0.1 | 1 | 0.1 | 0.01 | 1 | 0.01 | 0.01 | 1 | 0.01 | 1 | 0.1 |
| 1167919 | Soil | 21.9 | 0.1 | 1.70 | 3.7 | 1 | 211 | <0.1 | 0.84 | 0.2 | 15.5 | 28 | 28.6 | 2.82 | 5 | 0.04 | 0.08 | 7 | 1.02 | 555 | 0.5 |
| 1167923 | Soil | 1.4 | <0.1 | 1.97 | 13.3 | <1 | 224 | 0.1 | 0.34 | 0.1 | 15.4 | 40 | 29.1 | 3.27 | 7 | 0.03 | 0.12 | 10 | 0.92 | 560 | 0.8 |
| 1167921 | Soil | 3.5 | <0.1 | 1.84 | 6.8 | 2 | 262 | 0.2 | 0.41 | 0.2 | 15.8 | 38 | 31.3 | 3.12 | 6 | 0.04 | 0.09 | 14 | 0.83 | 359 | 0.8 |
| 1167922 | Soil | 1.2 | <0.1 | 1.95 | 15.2 | 2 | 241 | 0.1 | 0.37 | 0.1 | 15.9 | 40 | 31.4 | 3.46 | 7 | 0.03 | 0.14 | 10 | 1.02 | 566 | 0.7 |
| 1167925 | Soil | 3.8 | <0.1 | 2.02 | 5.9 | 1 | 344 | 0.1 | 0.76 | 0.2 | 15.5 | 37 | 36.6 | 3.30 | 6 | 0.05 | 0.05 | 11 | 0.85 | 555 | 0.5 |
| 1167924 | Soil | 5.0 | 0.1 | 1.90 | 7.6 | 2 | 192 | 0.2 | 0.31 | <0.1 | 14.6 | 37 | 26.6 | 3.16 | 6 | 0.06 | 0.06 | 11 | 0.77 | 407 | 0.9 |
| 1167927 | Soil | 38.8 | <0.1 | 1.91 | 5.0 | 3 | 243 | 0.1 | 0.51 | <0.1 | 13.2 | 30 | 35.1 | 3.14 | 6 | 0.03 | 0.05 | 8 | 0.86 | 358 | 0.6 |
| 1167930 | Soil | 1.3 | <0.1 | 1.63 | 5.3 | 3 | 187 | 0.1 | 0.32 | 0.2 | 15.0 | 25 | 23.8 | 2.93 | 6 | 0.04 | 0.05 | 7 | 0.72 | 629 | 0.6 |
| 1167928 | Soil | 3.5 | <0.1 | 2.16 | 6.8 | 3 | 295 | 0.1 | 0.41 | 0.2 | 15.5 | 32 | 34.1 | 3.33 | 6 | 0.02 | 0.06 | 10 | 0.72 | 526 | 0.8 |
| 1160762 | Soil | 2.5 | 0.1 | 1.76 | 3.6 | 2 | 242 | <0.1 | 0.59 | <0.1 | 14.3 | 30 | 34.7 | 2.68 | 5 | 0.05 | 0.05 | 10 | 0.98 | 393 | 0.5 |
| 1167933 | Soil | 2.3 | <0.1 | 1.98 | 4.6 | 1 | 198 | 0.1 | 0.51 | <0.1 | 15.1 | 34 | 34.2 | 3.39 | 7 | 0.04 | 0.04 | 7 | 1.06 | 303 | 0.6 |
| 1167932 | Soil | 3.2 | <0.1 | 1.97 | 4.2 | 2 | 184 | <0.1 | 0.38 | 0.1 | 15.2 | 30 | 29.8 | 3.07 | 6 | 0.04 | 0.06 | 8 | 1.00 | 437 | 0.6 |
| 1167934 | Soil | 1.5 | 0.2 | 2.48 | 4.6 | 2 | 220 | <0.1 | 0.46 | 0.1 | 19.4 | 41 | 39.1 | 3.48 | 8 | 0.04 | 0.05 | 8 | 1.40 | 558 | 0.6 |
| 1167935 | Soil | 3.7 | 0.1 | 1.95 | 4.3 | 2 | 225 | 0.1 | 0.59 | 0.2 | 14.3 | 35 | 36.4 | 2.93 | 6 | 0.03 | 0.04 | 10 | 1.02 | 315 | 0.5 |
| 1167902 | Soil | 1.8 | 0.1 | 1.87 | 7.4 | 3 | 263 | 0.2 | 0.51 | <0.1 | 19.1 | 46 | 26.9 | 3.35 | 6 | 0.04 | 0.08 | 12 | 0.89 | 588 | 1.0 |
| 1167903 | Soil | 2.2 | 0.1 | 1.86 | 6.3 | 2 | 176 | 0.1 | 0.31 | <0.1 | 14.3 | 40 | 32.6 | 2.99 | 5 | 0.06 | 0.07 | 12 | 0.77 | 252 | 0.6 |
| 1167926 | Soil | 4.2 | 0.1 | 2.12 | 4.4 | 1 | 370 | <0.1 | 0.67 | 0.1 | 16.3 | 29 | 55.9 | 3.83 | 8 | 0.07 | 0.13 | 13 | 1.09 | 505 | 0.5 |
| 1167905 | Soil | 3.5 | <0.1 | 1.45 | 3.6 | 1 | 131 | 0.1 | 0.31 | <0.1 | 6.2 | 26 | 13.1 | 1.67 | 5 | 0.05 | 0.05 | 8 | 0.48 | 126 | 0.4 |
| 1167901 | Soil | 3.5 | 0.1 | 1.73 | 6.4 | 1 | 171 | 0.2 | 0.29 | 0.1 | 13.3 | 33 | 25.0 | 2.74 | 6 | 0.04 | 0.10 | 9 | 0.72 | 443 | 0.9 |
| 1167906 | Soil | 0.9 | 0.1 | 2.55 | 5.5 | <1 | 241 | <0.1 | 0.63 | <0.1 | 20.9 | 36 | 44.6 | 4.23 | 8 | 0.02 | 0.35 | 5 | 1.60 | 454 | 0.8 |
| 1167929 | Soil | 4.8 | 0.1 | 1.89 | 4.6 | 1 | 275 | 0.1 | 0.46 | 0.1 | 10.6 | 27 | 36.7 | 2.69 | 5 | 0.03 | 0.05 | 10 | 0.64 | 282 | 0.6 |
| 1167904 | Soil | 2.7 | <0.1 | 1.88 | 4.4 | 2 | 168 | 0.1 | 0.33 | <0.1 | 11.9 | 40 | 21.8 | 2.47 | 6 | 0.05 | 0.06 | 9 | 0.75 | 211 | 0.5 |
| 1167907 | Soil | 2.0 | 0.1 | 2.26 | 6.0 | 2 | 285 | 0.1 | 0.56 | 0.2 | 16.0 | 33 | 37.2 | 3.62 | 7 | 0.03 | 0.07 | 11 | 0.89 | 891 | 0.8 |
| 1167908 | Soil | 3.0 | 0.1 | 2.03 | 5.5 | 1 | 275 | 0.1 | 0.57 | <0.1 | 13.3 | 32 | 41.8 | 3.00 | 6 | 0.05 | 0.05 | 11 | 0.79 | 450 | 0.5 |
| 1167910 | Soil | 1.6 | 0.2 | 2.23 | 6.1 | 2 | 395 | 0.1 | 0.86 | 0.2 | 16.1 | 35 | 60.2 | 3.38 | 6 | 0.05 | 0.23 | 13 | 1.08 | 1080 | 0.7 |
| 1167931 | Soil | 2.4 | <0.1 | 1.90 | 5.0 | 1 | 147 | 0.2 | 0.27 | <0.1 | 9.8 | 28 | 24.5 | 2.74 | 7 | 0.04 | 0.05 | 8 | 0.71 | 241 | 0.8 |
| 1167909 | Soil | 2.9 | 0.1 | 2.20 | 5.4 | 2 | 333 | 0.1 | 0.56 | 0.1 | 13.7 | 33 | 47.1 | 3.27 | 6 | 0.06 | 0.08 | 11 | 0.89 | 456 | 0.7 |
| 1090407 | Soil | 1.5 | 0.1 | 2.35 | 4.2 | 1 | 178 | <0.1 | 0.50 | 0.1 | 16.8 | 42 | 32.6 | 3.57 | 7 | 0.05 | 0.10 | 8 | 1.54 | 420 | 0.5 |
| 1160137 | Soil | 2.2 | 0.1 | 2.11 | 4.4 | 1 | 246 | 0.1 | 0.43 | 0.3 | 13.3 | 31 | 35.6 | 3.06 | 6 | 0.05 | 0.07 | 9 | 0.95 | 382 | 0.5 |
| 1090406 | Soil | 3.7 | 0.1 | 2.11 | 4.4 | 2 | 159 | <0.1 | 0.42 | 0.1 | 14.6 | 35 | 27.5 | 3.17 | 7 | 0.04 | 0.07 | 7 | 1.29 | 439 | 0.6 |

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Report Date: August 29, 2011



# CERTIFICATE OF ANALYSIS DAW11000173.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Na | Ni | P | Pb | S | Sb | Sc | Se | Sr | Te | Th | Ti | Tl | U | V | W | Zn |
| | Unit | % | ppm | % | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | MDL | 0.001 | 0.1 | 0.001 | 0.1 | 0.05 | 0.1 | 0.1 | 0.5 | 1 | 0.2 | 0.1 | 0.001 | 0.1 | 0.1 | 2 | 0.1 | 1 |
| 1167919 | Soil | 0.019 | 18.0 | 0.065 | 7.2 | <0.05 | 0.3 | 4.7 | <0.5 | 32 | <0.2 | 1.4 | 0.103 | <0.1 | 0.5 | 77 | 0.1 | 68 |
| 1167923 | Soil | 0.014 | 21.0 | 0.059 | 10.3 | <0.05 | 0.3 | 4.7 | <0.5 | 24 | <0.2 | 2.4 | 0.102 | <0.1 | 0.6 | 75 | 0.1 | 80 |
| 1167921 | Soil | 0.019 | 24.8 | 0.061 | 9.3 | <0.05 | 0.4 | 5.1 | <0.5 | 31 | <0.2 | 3.7 | 0.133 | 0.1 | 1.2 | 74 | 0.1 | 70 |
| 1167922 | Soil | 0.015 | 21.2 | 0.062 | 8.8 | <0.05 | 0.3 | 5.3 | <0.5 | 24 | <0.2 | 2.7 | 0.109 | <0.1 | 0.6 | 77 | <0.1 | 81 |
| 1167925 | Soil | 0.013 | 21.9 | 0.045 | 7.6 | <0.05 | 0.5 | 7.1 | <0.5 | 40 | <0.2 | 1.9 | 0.053 | <0.1 | 0.7 | 84 | <0.1 | 63 |
| 1167924 | Soil | 0.015 | 19.8 | 0.060 | 8.7 | <0.05 | 0.3 | 4.9 | <0.5 | 23 | <0.2 | 1.9 | 0.070 | <0.1 | 0.7 | 78 | 0.1 | 63 |
| 1167927 | Soil | 0.019 | 18.2 | 0.045 | 7.9 | <0.05 | 0.4 | 5.2 | 0.5 | 28 | <0.2 | 2.3 | 0.084 | <0.1 | 0.5 | 84 | 0.2 | 62 |
| 1167930 | Soil | 0.013 | 15.6 | 0.044 | 7.3 | <0.05 | 0.2 | 3.2 | 0.6 | 18 | <0.2 | 1.6 | 0.078 | <0.1 | 0.4 | 77 | 0.1 | 64 |
| 1167928 | Soil | 0.017 | 23.2 | 0.054 | 7.3 | <0.05 | 0.4 | 4.9 | 0.7 | 24 | <0.2 | 2.3 | 0.078 | <0.1 | 0.5 | 87 | 0.1 | 70 |
| 1160762 | Soil | 0.017 | 18.1 | 0.063 | 8.2 | <0.05 | 0.2 | 4.2 | <0.5 | 30 | <0.2 | 1.4 | 0.062 | <0.1 | 0.6 | 68 | 0.2 | 67 |
| 1167933 | Soil | 0.020 | 19.0 | 0.069 | 6.5 | <0.05 | 0.2 | 4.4 | 0.5 | 27 | <0.2 | 1.4 | 0.085 | <0.1 | 0.4 | 84 | <0.1 | 71 |
| 1167932 | Soil | 0.018 | 17.7 | 0.053 | 7.4 | <0.05 | 0.3 | 3.9 | 0.8 | 21 | <0.2 | 1.7 | 0.103 | <0.1 | 0.5 | 78 | 0.1 | 69 |
| 1167934 | Soil | 0.017 | 21.9 | 0.060 | 9.7 | <0.05 | 0.2 | 6.1 | <0.5 | 29 | <0.2 | 1.3 | 0.078 | <0.1 | 0.6 | 100 | 0.1 | 78 |
| 1167935 | Soil | 0.020 | 19.3 | 0.050 | 9.1 | <0.05 | 0.2 | 4.5 | <0.5 | 29 | <0.2 | 1.9 | 0.078 | <0.1 | 0.6 | 74 | 0.1 | 70 |
| 1167902 | Soil | 0.015 | 24.2 | 0.057 | 14.0 | <0.05 | 0.3 | 4.2 | 0.9 | 27 | <0.2 | 2.7 | 0.102 | 0.1 | 1.2 | 72 | 0.1 | 67 |
| 1167903 | Soil | 0.014 | 22.5 | 0.053 | 10.8 | <0.05 | 0.3 | 3.8 | 0.6 | 19 | <0.2 | 2.8 | 0.095 | <0.1 | 1.2 | 65 | 0.1 | 59 |
| 1167926 | Soil | 0.019 | 19.3 | 0.061 | 9.7 | <0.05 | 0.5 | 7.9 | <0.5 | 30 | <0.2 | 2.5 | 0.125 | 0.1 | 0.6 | 98 | <0.1 | 78 |
| 1167905 | Soil | 0.014 | 13.3 | 0.050 | 7.4 | <0.05 | 0.2 | 2.7 | <0.5 | 20 | <0.2 | 1.0 | 0.068 | <0.1 | 0.4 | 42 | 0.1 | 47 |
| 1167901 | Soil | 0.012 | 18.7 | 0.059 | 12.5 | <0.05 | 0.3 | 3.2 | 0.7 | 19 | <0.2 | 2.1 | 0.098 | <0.1 | 0.6 | 64 | 0.1 | 65 |
| 1167906 | Soil | 0.021 | 23.2 | 0.080 | 7.2 | <0.05 | 0.1 | 4.4 | 0.7 | 42 | <0.2 | 1.5 | 0.187 | <0.1 | 0.4 | 113 | <0.1 | 85 |
| 1167929 | Soil | 0.019 | 18.8 | 0.052 | 6.6 | <0.05 | 0.3 | 4.9 | <0.5 | 26 | <0.2 | 1.5 | 0.069 | <0.1 | 0.6 | 73 | 0.1 | 57 |
| 1167904 | Soil | 0.016 | 21.9 | 0.046 | 11.7 | <0.05 | 0.3 | 3.5 | 1.1 | 20 | <0.2 | 2.5 | 0.106 | <0.1 | 0.7 | 63 | 0.1 | 60 |
| 1167907 | Soil | 0.017 | 20.4 | 0.046 | 9.7 | <0.05 | 0.3 | 7.2 | 0.5 | 30 | <0.2 | 1.9 | 0.078 | <0.1 | 0.7 | 96 | 0.1 | 69 |
| 1167908 | Soil | 0.022 | 21.5 | 0.050 | 10.7 | <0.05 | 0.4 | 6.4 | 0.9 | 32 | <0.2 | 2.1 | 0.080 | <0.1 | 0.8 | 79 | 0.1 | 64 |
| 1167910 | Soil | 0.025 | 27.1 | 0.074 | 6.8 | <0.05 | 0.4 | 5.9 | 1.1 | 34 | <0.2 | 2.6 | 0.142 | 0.2 | 0.8 | 88 | <0.1 | 75 |
| 1167931 | Soil | 0.017 | 15.0 | 0.037 | 6.9 | <0.05 | 0.2 | 3.4 | 0.7 | 18 | <0.2 | 1.3 | 0.097 | <0.1 | 0.4 | 79 | <0.1 | 57 |
| 1167909 | Soil | 0.021 | 22.1 | 0.052 | 9.8 | <0.05 | 0.4 | 6.3 | 0.6 | 28 | <0.2 | 2.2 | 0.106 | <0.1 | 0.7 | 84 | 0.1 | 66 |
| 1090407 | Soil | 0.016 | 21.8 | 0.052 | 9.1 | <0.05 | 0.2 | 5.3 | <0.5 | 27 | <0.2 | 1.6 | 0.118 | <0.1 | 0.5 | 94 | 0.1 | 82 |
| 1160137 | Soil | 0.020 | 19.0 | 0.047 | 7.3 | <0.05 | 0.3 | 4.7 | 0.7 | 25 | <0.2 | 1.9 | 0.119 | <0.1 | 0.6 | 84 | 0.1 | 67 |
| 1090406 | Soil | 0.017 | 18.3 | 0.052 | 8.2 | <0.05 | 0.2 | 4.7 | 1.0 | 23 | <0.2 | 1.3 | 0.100 | <0.1 | 0.5 | 86 | <0.1 | 74 |

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Project: TSL
Report Date: August 29, 2011



# CERTIFICATE OF ANALYSIS DAW11000173.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Au | Ag | Al | As | B | Ba | Bi | Ca | Cd | Co | Cr | Cu | Fe | Ga | Hg | K | La | Mg | Mn | Mo |
| | Unit | ppb | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | % | ppm | ppm |
| | MDL | 0.5 | 0.1 | 0.01 | 0.5 | 1 | 1 | 0.1 | 0.01 | 0.1 | 0.1 | 1 | 0.1 | 0.01 | 1 | 0.01 | 0.01 | 1 | 0.01 | 1 | 0.1 |
| 1090408 | Soil | 2.9 | 0.1 | 2.20 | 4.6 | 1 | 160 | <0.1 | 0.43 | <0.1 | 15.9 | 37 | 33.2 | 3.32 | 7 | 0.03 | 0.13 | 6 | 1.55 | 407 | 0.5 |
| 1090404 | Soil | 0.6 | 0.2 | 2.05 | 4.2 | 1 | 164 | <0.1 | 0.44 | <0.1 | 15.0 | 35 | 33.4 | 3.12 | 7 | 0.05 | 0.09 | 7 | 1.32 | 436 | 0.4 |
| 1090405 | Soil | <0.5 | 0.2 | 2.78 | 4.6 | <1 | 230 | <0.1 | 0.60 | 0.1 | 21.9 | 49 | 43.7 | 4.26 | 9 | 0.04 | 0.07 | 10 | 1.84 | 802 | 0.5 |
| 1090403 | Soil | 1.4 | 0.1 | 2.21 | 4.7 | 1 | 173 | <0.1 | 0.50 | 0.2 | 18.3 | 41 | 37.4 | 3.58 | 7 | 0.03 | 0.14 | 7 | 1.46 | 551 | 0.4 |
| 1090402 | Soil | 23.0 | 0.1 | 2.27 | 4.8 | 2 | 167 | <0.1 | 0.49 | 0.1 | 17.7 | 42 | 36.7 | 3.46 | 7 | 0.03 | 0.14 | 7 | 1.43 | 508 | 0.5 |
| 1089045 | Soil | 2.4 | <0.1 | 1.90 | 4.8 | <1 | 148 | 0.1 | 0.29 | <0.1 | 11.4 | 29 | 28.5 | 2.88 | 7 | 0.06 | 0.06 | 7 | 0.79 | 285 | 0.6 |
| 1090401 | Soil | 2.1 | 0.1 | 2.38 | 4.4 | <1 | 239 | 0.1 | 0.49 | 0.2 | 16.9 | 36 | 37.3 | 3.49 | 7 | 0.05 | 0.19 | 8 | 1.40 | 570 | 0.4 |
| 1160138 | Soil | 1.8 | 0.1 | 1.98 | 5.0 | 1 | 238 | 0.1 | 0.45 | 0.3 | 13.7 | 30 | 36.9 | 2.85 | 6 | 0.05 | 0.07 | 8 | 0.96 | 370 | 0.5 |
| 1089046 | Soil | 1.5 | 0.2 | 1.81 | 3.0 | <1 | 180 | <0.1 | 0.33 | 0.1 | 11.4 | 26 | 33.6 | 2.68 | 6 | 0.05 | 0.09 | 6 | 0.96 | 235 | 0.6 |
| 1167796 | Soil | 5.7 | 0.2 | 3.21 | 9.1 | 2 | 198 | 0.4 | 0.34 | 0.1 | 25.3 | 70 | 61.1 | 5.41 | 8 | 0.06 | 0.06 | 9 | 0.96 | 703 | 1.3 |
| 1167797 | Soil | 4.9 | 0.1 | 1.79 | 6.7 | 2 | 198 | 0.2 | 0.51 | 0.2 | 16.6 | 40 | 55.4 | 3.12 | 6 | 0.04 | 0.07 | 13 | 0.76 | 509 | 0.7 |
| 1167798 | Soil | 1.3 | 0.1 | 1.95 | 5.5 | 1 | 216 | 0.1 | 0.40 | <0.1 | 15.4 | 41 | 34.9 | 2.82 | 6 | 0.06 | 0.10 | 11 | 0.86 | 272 | 0.7 |
| 1167799 | Soil | 5.7 | 0.1 | 1.92 | 6.5 | 1 | 159 | 0.2 | 0.27 | 0.2 | 9.9 | 35 | 25.7 | 2.70 | 6 | 0.03 | 0.05 | 10 | 0.65 | 174 | 0.5 |
| 1167800 | Soil | 5.5 | <0.1 | 2.12 | 10.6 | <1 | 208 | 0.1 | 0.32 | 0.1 | 16.4 | 32 | 31.3 | 3.75 | 6 | 0.04 | 0.06 | 9 | 0.86 | 416 | 0.9 |
| 1160132 | Soil | 2.9 | <0.1 | 2.15 | 6.8 | 1 | 220 | 0.1 | 0.37 | 0.2 | 13.1 | 35 | 38.5 | 3.36 | 6 | 0.02 | 0.05 | 10 | 0.71 | 450 | 0.7 |
| 1160131 | Soil | 2.9 | <0.1 | 1.89 | 7.7 | <1 | 181 | 0.2 | 0.26 | 0.1 | 11.0 | 27 | 24.6 | 3.44 | 8 | <0.01 | 0.05 | 7 | 0.67 | 394 | 1.5 |
| 1090689 | Soil | 5.8 | 0.1 | 2.33 | 8.9 | 1 | 388 | 0.1 | 0.57 | <0.1 | 18.3 | 37 | 70.4 | 4.27 | 7 | 0.10 | 0.05 | 13 | 1.14 | 456 | 0.4 |
| 1160134 | Soil | 2.4 | <0.1 | 2.37 | 8.4 | <1 | 279 | 0.1 | 0.41 | <0.1 | 16.1 | 37 | 39.9 | 3.72 | 7 | 0.02 | 0.08 | 9 | 1.01 | 461 | 0.8 |
| 1160133 | Soil | 1.8 | <0.1 | 2.03 | 6.5 | 2 | 208 | <0.1 | 0.28 | 0.2 | 14.9 | 33 | 43.6 | 3.35 | 6 | 0.03 | 0.08 | 9 | 0.86 | 558 | 0.7 |
| 1160135 | Soil | 2.4 | <0.1 | 2.10 | 6.2 | <1 | 213 | <0.1 | 0.35 | 0.1 | 14.3 | 38 | 39.9 | 3.09 | 6 | 0.02 | 0.08 | 8 | 1.03 | 346 | 0.7 |
| 1160136 | Soil | 5.4 | 0.2 | 2.25 | 5.1 | <1 | 283 | 0.1 | 0.41 | 0.1 | 17.2 | 35 | 56.5 | 3.47 | 7 | 0.04 | 0.06 | 10 | 0.94 | 343 | 0.6 |
| 1089044 | Soil | 1.7 | <0.1 | 1.98 | 4.8 | 1 | 193 | 0.1 | 0.40 | <0.1 | 14.7 | 46 | 34.5 | 2.87 | 6 | 0.03 | 0.05 | 8 | 0.90 | 375 | 0.6 |
| 1162493 | Soil | 4.4 | <0.1 | 1.21 | 4.8 | <1 | 93 | 0.1 | 0.18 | 0.3 | 8.4 | 21 | 23.5 | 2.24 | 6 | 0.02 | 0.05 | 6 | 0.39 | 234 | 1.0 |
| 1162494 | Soil | 4.0 | <0.1 | 2.14 | 6.7 | 1 | 184 | 0.1 | 0.28 | 0.2 | 14.2 | 33 | 34.8 | 3.27 | 7 | 0.02 | 0.07 | 7 | 0.83 | 405 | 0.8 |
| 1162495 | Soil | 1.8 | <0.1 | 2.34 | 4.6 | <1 | 197 | <0.1 | 0.51 | 0.1 | 16.7 | 37 | 38.2 | 3.47 | 7 | 0.02 | 0.11 | 7 | 1.30 | 383 | 0.6 |
| 1089043 | Soil | <0.5 | 0.2 | 1.64 | 5.0 | <1 | 123 | 0.1 | 0.17 | <0.1 | 8.7 | 25 | 31.0 | 2.25 | 5 | 0.03 | 0.04 | 6 | 0.48 | 161 | 0.6 |
| 1162486 | Soil | 5.1 | 0.1 | 1.91 | 6.7 | 2 | 149 | 0.2 | 0.31 | <0.1 | 15.5 | 53 | 29.8 | 2.99 | 6 | 0.04 | 0.07 | 8 | 0.85 | 258 | 0.9 |
| 1162489 | Soil | 0.9 | <0.1 | 2.85 | 138.1 | <1 | 352 | <0.1 | 0.52 | <0.1 | 41.8 | 90 | 280.9 | 8.70 | 7 | 0.04 | 0.42 | 8 | 1.89 | 403 | 2.3 |
| 1162487 | Soil | 1.5 | 0.1 | 1.84 | 5.3 | <1 | 240 | 0.2 | 0.48 | 0.2 | 13.8 | 52 | 62.1 | 2.76 | 5 | 0.05 | 0.07 | 15 | 0.82 | 280 | 0.5 |
| 1162488 | Soil | 2.0 | 0.1 | 1.80 | 8.8 | <1 | 223 | 0.1 | 0.34 | <0.1 | 12.4 | 38 | 35.0 | 3.19 | 5 | 0.04 | 0.05 | 12 | 0.58 | 247 | 0.8 |

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Project: TSL
Report Date: August 29, 2011



# CERTIFICATE OF ANALYSIS DAW11000173.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Na | Ni | P | Pb | S | Sb | Sc | Se | Sr | Te | Th | Ti | Tl | U | V | W | Zn |
| | Unit | % | ppm | % | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | MDL | 0.001 | 0.1 | 0.001 | 0.1 | 0.05 | 0.1 | 0.1 | 0.5 | 1 | 0.2 | 0.1 | 0.001 | 0.1 | 0.1 | 2 | 0.1 | 1 |
| 1090408 | Soil | 0.017 | 19.5 | 0.052 | 8.6 | <0.05 | 0.2 | 4.8 | <0.5 | 24 | <0.2 | 1.4 | 0.118 | <0.1 | 0.4 | 95 | <0.1 | 75 |
| 1090404 | Soil | 0.017 | 18.6 | 0.048 | 7.9 | <0.05 | 0.2 | 4.3 | <0.5 | 23 | <0.2 | 1.2 | 0.109 | <0.1 | 0.5 | 86 | <0.1 | 74 |
| 1090405 | Soil | 0.013 | 25.6 | 0.064 | 21.1 | <0.05 | 0.2 | 8.4 | <0.5 | 31 | <0.2 | 2.3 | 0.061 | <0.1 | 0.6 | 112 | <0.1 | 95 |
| 1090403 | Soil | 0.018 | 22.1 | 0.058 | 8.9 | <0.05 | 0.2 | 5.0 | <0.5 | 24 | <0.2 | 1.5 | 0.129 | <0.1 | 0.4 | 95 | <0.1 | 91 |
| 1090402 | Soil | 0.019 | 22.0 | 0.058 | 9.7 | <0.05 | 0.2 | 4.9 | 0.8 | 24 | <0.2 | 1.6 | 0.132 | <0.1 | 0.5 | 94 | 0.1 | 85 |
| 1089045 | Soil | 0.017 | 17.3 | 0.037 | 8.2 | <0.05 | 0.2 | 3.8 | <0.5 | 18 | <0.2 | 1.2 | 0.100 | <0.1 | 0.4 | 81 | <0.1 | 67 |
| 1090401 | Soil | 0.019 | 22.4 | 0.061 | 7.0 | <0.05 | 0.2 | 4.7 | <0.5 | 25 | <0.2 | 1.6 | 0.131 | 0.2 | 0.6 | 94 | <0.1 | 87 |
| 1160138 | Soil | 0.019 | 19.6 | 0.058 | 7.4 | <0.05 | 0.2 | 4.1 | <0.5 | 24 | <0.2 | 1.4 | 0.094 | <0.1 | 0.6 | 75 | 0.1 | 74 |
| 1089046 | Soil | 0.015 | 15.2 | 0.039 | 5.6 | <0.05 | 0.2 | 3.6 | 0.8 | 21 | <0.2 | 0.9 | 0.111 | 0.1 | 0.5 | 73 | <0.1 | 53 |
| 1167796 | Soil | 0.010 | 40.3 | 0.044 | 57.7 | <0.05 | 0.5 | 8.2 | 0.6 | 22 | 0.3 | 2.2 | 0.044 | 0.1 | 0.7 | 101 | 0.1 | 58 |
| 1167797 | Soil | 0.019 | 27.4 | 0.075 | 21.3 | <0.05 | 0.3 | 3.8 | <0.5 | 29 | <0.2 | 2.3 | 0.092 | <0.1 | 0.9 | 71 | 0.1 | 63 |
| 1167798 | Soil | 0.019 | 22.7 | 0.056 | 12.0 | <0.05 | 0.2 | 4.4 | <0.5 | 25 | <0.2 | 2.3 | 0.126 | <0.1 | 0.8 | 76 | <0.1 | 62 |
| 1167799 | Soil | 0.012 | 18.9 | 0.060 | 9.3 | <0.05 | 0.3 | 4.1 | <0.5 | 17 | <0.2 | 1.9 | 0.072 | <0.1 | 0.7 | 61 | 0.1 | 50 |
| 1167800 | Soil | 0.013 | 19.1 | 0.056 | 8.1 | <0.05 | 0.5 | 7.3 | 0.5 | 19 | <0.2 | 1.9 | 0.036 | <0.1 | 0.6 | 85 | <0.1 | 69 |
| 1160132 | Soil | 0.016 | 23.7 | 0.042 | 8.8 | <0.05 | 0.4 | 5.2 | <0.5 | 23 | <0.2 | 2.3 | 0.081 | <0.1 | 0.5 | 87 | 0.1 | 62 |
| 1160131 | Soil | 0.014 | 15.0 | 0.024 | 9.9 | <0.05 | 0.4 | 4.6 | 0.6 | 17 | <0.2 | 1.8 | 0.084 | <0.1 | 0.4 | 105 | 0.1 | 51 |
| 1090689 | Soil | 0.017 | 25.7 | 0.056 | 8.8 | <0.05 | 0.5 | 10.3 | <0.5 | 25 | <0.2 | 2.7 | 0.071 | <0.1 | 0.9 | 117 | 0.1 | 74 |
| 1160134 | Soil | 0.015 | 23.6 | 0.049 | 8.4 | <0.05 | 0.3 | 5.2 | <0.5 | 22 | <0.2 | 2.2 | 0.115 | <0.1 | 0.5 | 98 | <0.1 | 68 |
| 1160133 | Soil | 0.014 | 22.2 | 0.050 | 7.6 | <0.05 | 0.3 | 4.7 | 0.6 | 17 | <0.2 | 2.2 | 0.112 | <0.1 | 0.5 | 86 | 0.1 | 67 |
| 1160135 | Soil | 0.016 | 22.0 | 0.047 | 6.5 | <0.05 | 0.3 | 4.6 | <0.5 | 24 | <0.2 | 2.1 | 0.117 | <0.1 | 0.5 | 85 | 0.1 | 67 |
| 1160136 | Soil | 0.018 | 23.0 | 0.052 | 9.4 | <0.05 | 0.3 | 5.9 | 0.7 | 22 | <0.2 | 2.3 | 0.112 | <0.1 | 0.8 | 92 | 0.1 | 72 |
| 1089044 | Soil | 0.017 | 25.9 | 0.063 | 7.6 | <0.05 | 0.2 | 4.1 | <0.5 | 21 | <0.2 | 1.6 | 0.091 | <0.1 | 0.5 | 73 | 0.1 | 67 |
| 1162493 | Soil | 0.013 | 12.3 | 0.036 | 7.3 | <0.05 | 0.3 | 2.6 | <0.5 | 13 | <0.2 | 1.3 | 0.099 | <0.1 | 0.3 | 69 | 0.1 | 47 |
| 1162494 | Soil | 0.014 | 18.8 | 0.048 | 8.6 | <0.05 | 0.3 | 4.3 | <0.5 | 17 | <0.2 | 1.9 | 0.119 | <0.1 | 0.5 | 94 | 0.1 | 67 |
| 1162495 | Soil | 0.015 | 24.4 | 0.058 | 6.5 | <0.05 | 0.3 | 4.1 | <0.5 | 24 | <0.2 | 1.6 | 0.139 | <0.1 | 0.4 | 99 | <0.1 | 77 |
| 1089043 | Soil | 0.014 | 13.6 | 0.026 | 6.4 | <0.05 | 0.2 | 3.0 | <0.5 | 13 | <0.2 | 1.5 | 0.086 | <0.1 | 0.5 | 61 | <0.1 | 45 |
| 1162486 | Soil | 0.012 | 29.6 | 0.042 | 16.7 | <0.05 | 0.3 | 3.5 | <0.5 | 17 | <0.2 | 2.5 | 0.103 | <0.1 | 0.6 | 71 | 0.2 | 57 |
| 1162489 | Soil | 0.012 | 40.0 | 0.128 | 6.3 | <0.05 | 1.2 | 7.3 | 2.3 | 22 | 0.3 | 1.2 | 0.180 | 0.2 | 0.6 | 192 | <0.1 | 90 |
| 1162487 | Soil | 0.021 | 34.3 | 0.050 | 15.4 | <0.05 | 0.4 | 6.0 | <0.5 | 27 | <0.2 | 3.6 | 0.114 | <0.1 | 1.7 | 69 | 0.1 | 62 |
| 1162488 | Soil | 0.013 | 20.3 | 0.069 | 10.2 | <0.05 | 0.4 | 4.7 | 0.6 | 23 | <0.2 | 2.3 | 0.072 | 0.1 | 0.9 | 68 | 0.1 | 53 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.

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Project: TSL
Report Date: August 29, 2011



# CERTIFICATE OF ANALYSIS DAW11000173.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Au | Ag | Al | As | B | Ba | Bi | Ca | Cd | Co | Cr | Cu | Fe | Ga | Hg | K | La | Mg | Mn | Mo |
| | Unit | ppb | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | % | ppm | ppm |
| | MDL | 0.5 | 0.1 | 0.01 | 0.5 | 1 | 1 | 0.1 | 0.01 | 0.1 | 0.1 | 1 | 0.1 | 0.01 | 1 | 0.01 | 0.01 | 1 | 0.01 | 1 | 0.1 |
| 1162492 | Soil | 3.2 | <0.1 | 1.80 | 8.4 | <1 | 111 | 0.1 | 0.16 | 0.2 | 9.1 | 28 | 21.2 | 3.67 | 8 | 0.02 | 0.05 | 7 | 0.43 | 340 | 1.1 |
| 1162490 | Soil | 2.3 | <0.1 | 2.45 | 7.8 | 2 | 156 | <0.1 | 0.27 | 0.1 | 18.8 | 36 | 19.4 | 4.50 | 8 | 0.01 | 0.05 | 8 | 1.52 | 737 | 0.6 |
| 1162491 | Soil | 1.9 | <0.1 | 2.15 | 9.0 | <1 | 199 | 0.2 | 0.30 | 0.2 | 11.8 | 33 | 31.3 | 3.42 | 7 | 0.01 | 0.06 | 8 | 0.63 | 443 | 1.0 |
| 1073622 | Soil | 3.3 | 0.2 | 2.06 | 6.4 | 1 | 224 | <0.1 | 0.64 | 0.1 | 17.2 | 39 | 49.2 | 3.44 | 7 | 0.02 | 0.07 | 7 | 1.11 | 405 | 0.8 |
| 1073619 | Soil | 1.0 | <0.1 | 2.10 | 4.0 | <1 | 204 | <0.1 | 0.39 | 0.1 | 16.9 | 30 | 23.8 | 2.95 | 5 | 0.03 | 0.16 | 7 | 1.32 | 475 | 0.5 |
| 1073620 | Soil | 1.6 | 0.1 | 1.83 | 6.7 | <1 | 299 | <0.1 | 0.74 | 0.2 | 12.0 | 31 | 41.4 | 2.92 | 6 | 0.03 | 0.06 | 7 | 0.81 | 375 | 0.7 |
| 1073621 | Soil | 2.6 | <0.1 | 1.64 | 6.2 | 1 | 243 | <0.1 | 1.00 | 0.2 | 12.2 | 31 | 35.0 | 2.61 | 5 | 0.04 | 0.06 | 8 | 0.77 | 428 | 0.5 |
| 1073623 | Soil | 2.3 | 0.2 | 2.14 | 5.4 | <1 | 145 | <0.1 | 0.44 | <0.1 | 17.7 | 33 | 40.6 | 3.60 | 6 | 0.03 | 0.08 | 6 | 1.07 | 482 | 0.7 |
| 1073625 | Soil | 1.2 | 0.1 | 2.36 | 5.4 | 1 | 142 | <0.1 | 0.43 | <0.1 | 18.8 | 50 | 43.8 | 3.50 | 7 | <0.01 | 0.18 | 5 | 1.44 | 377 | 0.8 |
| 1073624 | Soil | 2.9 | <0.1 | 3.03 | 5.3 | <1 | 150 | <0.1 | 0.55 | <0.1 | 25.0 | 70 | 64.9 | 4.04 | 8 | 0.01 | 0.33 | 4 | 2.20 | 478 | 0.5 |
| 1073626 | Soil | 4.2 | 0.2 | 2.19 | 6.6 | <1 | 234 | 0.1 | 0.57 | 0.2 | 17.2 | 39 | 40.5 | 3.27 | 7 | 0.03 | 0.07 | 9 | 0.96 | 563 | 0.9 |
| 1073627 | Soil | 7.1 | 0.2 | 2.66 | 4.5 | 2 | 183 | <0.1 | 0.64 | <0.1 | 21.2 | 40 | 44.0 | 4.17 | 7 | 0.02 | 0.76 | 5 | 1.83 | 608 | 0.5 |
| 1073628 | Soil | 2.8 | <0.1 | 2.41 | 6.0 | 1 | 202 | <0.1 | 0.51 | <0.1 | 18.2 | 43 | 45.7 | 3.64 | 7 | 0.02 | 0.10 | 8 | 1.42 | 449 | 0.5 |
| 1073629 | Soil | 4.3 | <0.1 | 1.87 | 5.6 | <1 | 211 | 0.1 | 0.52 | <0.1 | 12.8 | 34 | 34.0 | 2.94 | 6 | 0.02 | 0.06 | 8 | 0.87 | 314 | 0.6 |
| 1073630 | Soil | 7.7 | <0.1 | 1.79 | 4.0 | <1 | 171 | <0.1 | 0.50 | 0.1 | 11.6 | 33 | 31.7 | 2.67 | 5 | 0.02 | 0.06 | 8 | 0.90 | 267 | 0.5 |
| 1073634 | Soil | 2.0 | <0.1 | 2.16 | 9.2 | <1 | 456 | <0.1 | 0.49 | <0.1 | 14.4 | 33 | 34.0 | 3.97 | 8 | 0.01 | 0.20 | 13 | 1.18 | 453 | 0.8 |
| 1073609 | Soil | 1.1 | <0.1 | 1.41 | 4.8 | <1 | 108 | 0.2 | 0.24 | 0.1 | 6.7 | 28 | 11.8 | 2.06 | 5 | 0.04 | 0.04 | 10 | 0.59 | 165 | 0.6 |
| 1073607 | Soil | 3.4 | <0.1 | 1.21 | 4.1 | 1 | 145 | 0.1 | 0.28 | <0.1 | 5.0 | 26 | 9.5 | 1.53 | 5 | 0.03 | 0.04 | 10 | 0.42 | 129 | 0.4 |
| 1073608 | Soil | 1.9 | <0.1 | 1.24 | 5.6 | 2 | 120 | 0.3 | 0.23 | 0.2 | 5.1 | 24 | 10.7 | 2.12 | 5 | 0.03 | 0.04 | 9 | 0.46 | 160 | 0.8 |
| 1073610 | Soil | 2.6 | <0.1 | 1.09 | 3.6 | 1 | 79 | 0.2 | 0.26 | 0.2 | 5.1 | 20 | 8.9 | 1.76 | 4 | 0.03 | 0.05 | 9 | 0.45 | 140 | 0.5 |
| 1073611 | Soil | 1.5 | <0.1 | 1.01 | 3.0 | 1 | 90 | 0.2 | 0.18 | 0.1 | 3.6 | 18 | 9.5 | 1.47 | 4 | 0.04 | 0.04 | 9 | 0.28 | 87 | 0.4 |
| 1073612 | Soil | 1.9 | 0.3 | 1.66 | 4.5 | <1 | 287 | 0.2 | 0.22 | 0.2 | 10.5 | 24 | 48.4 | 2.87 | 6 | 0.05 | 0.09 | 9 | 0.76 | 278 | 0.7 |
| 1073613 | Soil | 0.6 | 0.1 | 1.69 | 6.0 | 2 | 181 | 0.2 | 0.31 | 0.1 | 12.9 | 21 | 47.7 | 2.93 | 6 | 0.02 | 0.11 | 7 | 0.83 | 361 | 0.7 |
| 1073614 | Soil | 1.2 | 0.1 | 1.83 | 8.4 | 1 | 117 | 0.5 | 0.24 | 0.1 | 15.9 | 25 | 37.5 | 3.32 | 6 | 0.03 | 0.06 | 6 | 0.75 | 514 | 0.9 |
| 1073615 | Soil | 1.6 | 0.1 | 1.16 | 3.1 | 1 | 126 | 0.2 | 0.20 | 0.1 | 4.4 | 20 | 26.9 | 1.48 | 5 | 0.04 | 0.04 | 6 | 0.35 | 100 | 0.6 |
| 1073616 | Soil | 0.9 | <0.1 | 1.59 | 4.4 | 2 | 257 | 0.2 | 0.44 | 0.2 | 13.3 | 22 | 57.4 | 3.06 | 5 | 0.03 | 0.06 | 8 | 0.70 | 476 | 0.4 |
| 1073617 | Soil | 1.8 | 0.1 | 1.30 | 3.4 | 1 | 139 | 0.2 | 0.21 | 0.1 | 6.5 | 20 | 25.3 | 1.90 | 6 | 0.03 | 0.05 | 6 | 0.53 | 145 | 0.5 |
| 1073618 | Soil | 2.2 | 0.1 | 1.81 | 4.4 | 2 | 221 | 0.1 | 0.43 | 0.2 | 13.8 | 29 | 30.2 | 2.84 | 6 | 0.03 | 0.14 | 7 | 0.96 | 438 | 0.6 |
| 1073631 | Soil | 4.2 | <0.1 | 2.01 | 4.8 | 2 | 238 | 0.2 | 0.56 | 0.1 | 13.5 | 32 | 34.7 | 2.84 | 6 | 0.03 | 0.05 | 10 | 0.96 | 428 | 0.6 |
| 1073632 | Soil | 1.3 | <0.1 | 1.56 | 5.1 | 1 | 159 | 0.2 | 0.32 | 0.1 | 10.9 | 31 | 15.6 | 2.83 | 6 | 0.04 | 0.05 | 9 | 0.68 | 383 | 0.7 |

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Report Date: August 29, 2011



# CERTIFICATE OF ANALYSIS DAW11000173.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Na | Ni | P | Pb | S | Sb | Sc | Se | Sr | Te | Th | Ti | Tl | U | V | W | Zn |
| | Unit | % | ppm | % | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | MDL | 0.001 | 0.1 | 0.001 | 0.1 | 0.05 | 0.1 | 0.1 | 0.5 | 1 | 0.2 | 0.1 | 0.001 | 0.1 | 0.1 | 2 | 0.1 | 1 |
| 1162492 | Soil | 0.011 | 14.5 | 0.046 | 9.7 | <0.05 | 0.5 | 3.6 | <0.5 | 14 | <0.2 | 1.1 | 0.075 | <0.1 | 0.3 | 106 | 0.1 | 57 |
| 1162490 | Soil | 0.012 | 22.9 | 0.039 | 5.4 | <0.05 | 0.4 | 8.8 | <0.5 | 19 | <0.2 | 2.1 | 0.072 | <0.1 | 0.4 | 124 | <0.1 | 83 |
| 1162491 | Soil | 0.011 | 23.6 | 0.035 | 8.2 | <0.05 | 0.5 | 3.8 | <0.5 | 21 | <0.2 | 1.6 | 0.077 | <0.1 | 0.4 | 92 | <0.1 | 56 |
| 1073622 | Soil | 0.015 | 22.7 | 0.053 | 6.3 | <0.05 | 0.3 | 4.7 | 0.7 | 28 | <0.2 | 1.6 | 0.107 | 0.1 | 0.5 | 98 | 0.1 | 69 |
| 1073619 | Soil | 0.013 | 20.0 | 0.059 | 5.1 | <0.05 | 0.2 | 4.0 | <0.5 | 22 | <0.2 | 1.1 | 0.128 | <0.1 | 0.5 | 85 | <0.1 | 66 |
| 1073620 | Soil | 0.018 | 17.6 | 0.049 | 5.6 | <0.05 | 0.3 | 4.5 | 0.5 | 34 | <0.2 | 1.2 | 0.095 | <0.1 | 0.6 | 86 | <0.1 | 57 |
| 1073621 | Soil | 0.020 | 20.0 | 0.058 | 6.7 | <0.05 | 0.3 | 3.9 | <0.5 | 33 | <0.2 | 1.4 | 0.088 | <0.1 | 0.7 | 70 | 0.1 | 62 |
| 1073623 | Soil | 0.015 | 17.9 | 0.049 | 7.4 | <0.05 | 0.2 | 4.3 | <0.5 | 23 | <0.2 | 1.5 | 0.111 | <0.1 | 0.4 | 108 | <0.1 | 69 |
| 1073625 | Soil | 0.014 | 24.3 | 0.051 | 7.6 | <0.05 | <0.1 | 3.0 | <0.5 | 21 | <0.2 | 1.2 | 0.195 | 0.1 | 0.3 | 116 | <0.1 | 64 |
| 1073624 | Soil | 0.015 | 30.6 | 0.059 | 4.6 | <0.05 | 0.1 | 3.0 | <0.5 | 24 | <0.2 | 0.9 | 0.268 | 0.1 | 0.2 | 140 | <0.1 | 70 |
| 1073626 | Soil | 0.017 | 24.6 | 0.046 | 10.4 | <0.05 | 0.3 | 5.4 | <0.5 | 26 | <0.2 | 2.3 | 0.098 | <0.1 | 0.6 | 93 | 0.1 | 68 |
| 1073627 | Soil | 0.018 | 24.2 | 0.051 | 5.9 | <0.05 | 0.1 | 5.6 | <0.5 | 21 | <0.2 | 1.2 | 0.206 | 0.4 | 0.3 | 134 | <0.1 | 76 |
| 1073628 | Soil | 0.016 | 22.2 | 0.055 | 9.6 | <0.05 | 0.3 | 5.7 | <0.5 | 23 | <0.2 | 2.7 | 0.123 | <0.1 | 0.6 | 104 | 0.1 | 76 |
| 1073629 | Soil | 0.015 | 19.6 | 0.045 | 7.8 | <0.05 | 0.3 | 4.1 | <0.5 | 24 | <0.2 | 2.0 | 0.105 | <0.1 | 0.5 | 85 | 0.1 | 62 |
| 1073630 | Soil | 0.017 | 18.9 | 0.049 | 7.5 | <0.05 | 0.2 | 4.6 | <0.5 | 22 | <0.2 | 2.1 | 0.096 | <0.1 | 0.5 | 77 | 0.1 | 57 |
| 1073634 | Soil | 0.011 | 18.7 | 0.057 | 6.8 | <0.05 | 0.3 | 7.8 | <0.5 | 23 | <0.2 | 3.1 | 0.098 | 0.1 | 0.6 | 106 | <0.1 | 73 |
| 1073609 | Soil | 0.010 | 15.3 | 0.047 | 20.0 | <0.05 | 0.2 | 2.3 | <0.5 | 18 | <0.2 | 1.9 | 0.075 | <0.1 | 0.7 | 55 | 0.2 | 52 |
| 1073607 | Soil | 0.011 | 13.0 | 0.039 | 9.4 | <0.05 | 0.2 | 2.3 | <0.5 | 18 | <0.2 | 1.5 | 0.076 | <0.1 | 0.6 | 43 | 0.1 | 49 |
| 1073608 | Soil | 0.010 | 11.5 | 0.049 | 13.6 | 0.08 | 0.2 | 2.3 | <0.5 | 17 | <0.2 | 1.5 | 0.064 | <0.1 | 0.7 | 64 | 0.1 | 45 |
| 1073610 | Soil | 0.010 | 10.4 | 0.063 | 7.2 | 0.06 | 0.2 | 1.9 | <0.5 | 17 | <0.2 | 1.9 | 0.056 | <0.1 | 0.7 | 40 | 0.2 | 42 |
| 1073611 | Soil | 0.009 | 8.9 | 0.049 | 7.8 | 0.09 | 0.2 | 1.7 | <0.5 | 14 | <0.2 | 1.2 | 0.044 | <0.1 | 0.7 | 24 | <0.1 | 32 |
| 1073612 | Soil | 0.011 | 14.3 | 0.066 | 7.8 | 0.08 | 0.2 | 4.3 | <0.5 | 17 | <0.2 | 0.8 | 0.082 | <0.1 | 0.7 | 74 | <0.1 | 57 |
| 1073613 | Soil | 0.018 | 11.9 | 0.049 | 6.4 | <0.05 | 0.3 | 4.1 | <0.5 | 19 | <0.2 | 1.4 | 0.106 | <0.1 | 0.4 | 85 | <0.1 | 58 |
| 1073614 | Soil | 0.017 | 14.4 | 0.053 | 56.3 | <0.05 | 0.3 | 3.4 | <0.5 | 21 | <0.2 | 1.7 | 0.106 | <0.1 | 0.4 | 84 | 0.1 | 59 |
| 1073615 | Soil | 0.011 | 9.3 | 0.047 | 12.7 | 0.05 | 0.2 | 2.2 | <0.5 | 17 | <0.2 | 0.4 | 0.032 | <0.1 | 0.4 | 33 | <0.1 | 34 |
| 1073616 | Soil | 0.019 | 14.0 | 0.057 | 4.4 | <0.05 | 0.3 | 6.0 | <0.5 | 22 | <0.2 | 1.3 | 0.058 | <0.1 | 0.4 | 77 | <0.1 | 65 |
| 1073617 | Soil | 0.012 | 10.5 | 0.043 | 6.3 | <0.05 | 0.2 | 2.7 | <0.5 | 14 | <0.2 | 0.7 | 0.065 | <0.1 | 0.4 | 53 | <0.1 | 42 |
| 1073618 | Soil | 0.012 | 16.3 | 0.066 | 5.8 | <0.05 | 0.2 | 4.4 | <0.5 | 22 | <0.2 | 1.1 | 0.083 | <0.1 | 0.5 | 72 | <0.1 | 65 |
| 1073631 | Soil | 0.019 | 20.4 | 0.063 | 8.3 | <0.05 | 0.3 | 4.5 | <0.5 | 26 | <0.2 | 1.8 | 0.074 | <0.1 | 0.7 | 69 | 0.1 | 73 |
| 1073632 | Soil | 0.012 | 15.1 | 0.056 | 9.0 | <0.05 | 0.5 | 3.7 | <0.5 | 19 | <0.2 | 1.6 | 0.043 | <0.1 | 0.5 | 69 | 0.1 | 69 |

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Project: TSL
Report Date: August 29, 2011



# CERTIFICATE OF ANALYSIS DAW11000173.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Au | Ag | Al | As | B | Ba | Bi | Ca | Cd | Co | Cr | Cu | Fe | Ga | Hg | K | La | Mg | Mn | Mo |
| | Unit | ppb | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | % | ppm | ppm |
| | MDL | 0.5 | 0.1 | 0.01 | 0.5 | 1 | 1 | 0.1 | 0.01 | 0.1 | 0.1 | 1 | 0.1 | 0.01 | 1 | 0.01 | 0.01 | 1 | 0.01 | 1 | 0.1 |
| 1073633 | Soil | 3.7 | 0.2 | 1.98 | 3.9 | 2 | 478 | 0.1 | 0.74 | 0.2 | 15.6 | 21 | 71.1 | 4.52 | 7 | 0.05 | 0.18 | 13 | 1.04 | 619 | 0.4 |
| 1073635 | Soil | 1.7 | 0.2 | 1.87 | 4.1 | 1 | 494 | 0.1 | 1.02 | 0.2 | 16.6 | 24 | 46.6 | 3.80 | 6 | 0.06 | 0.09 | 12 | 0.89 | 640 | 0.5 |
| 1073637 | Soil | 3.2 | <0.1 | 1.90 | 4.3 | 1 | 420 | 0.1 | 0.60 | 0.3 | 16.6 | 23 | 28.3 | 3.78 | 6 | 0.04 | 0.07 | 9 | 0.96 | 667 | 0.4 |
| 1073636 | Soil | 3.4 | 0.1 | 1.83 | 3.9 | 3 | 605 | 0.1 | 1.19 | 0.3 | 15.2 | 22 | 45.4 | 3.27 | 5 | 0.06 | 0.08 | 11 | 0.87 | 835 | 0.5 |
| 1160104 | Soil | 1.3 | <0.1 | 1.68 | 3.9 | 2 | 122 | 0.2 | 0.25 | 0.1 | 9.9 | 29 | 16.6 | 2.28 | 6 | 0.04 | 0.06 | 8 | 0.66 | 323 | 0.7 |
| 1160107 | Soil | 11.9 | <0.1 | 1.24 | 3.1 | <1 | 99 | 0.1 | 0.25 | <0.1 | 5.5 | 22 | 12.2 | 1.78 | 5 | 0.04 | 0.05 | 5 | 0.50 | 139 | 0.5 |
| 1160106 | Soil | 0.7 | <0.1 | 1.09 | 2.8 | 1 | 107 | 0.1 | 0.22 | 0.1 | 4.8 | 24 | 12.8 | 1.61 | 5 | 0.05 | 0.06 | 6 | 0.44 | 121 | 0.4 |
| 1160101 | Soil | 5.4 | <0.1 | 1.53 | 4.3 | 1 | 127 | 0.2 | 0.26 | 0.2 | 6.0 | 27 | 10.7 | 2.04 | 5 | 0.03 | 0.05 | 10 | 0.58 | 139 | 0.5 |
| 1160105 | Soil | 3.5 | <0.1 | 2.04 | 4.0 | <1 | 122 | 0.1 | 0.26 | 0.1 | 12.3 | 32 | 37.7 | 3.23 | 7 | 0.03 | 0.18 | 5 | 0.91 | 230 | 0.8 |
| 1160109 | Soil | 5.5 | <0.1 | 1.12 | 2.9 | <1 | 85 | 0.1 | 0.22 | 0.1 | 4.3 | 20 | 11.9 | 1.53 | 5 | 0.02 | 0.05 | 6 | 0.40 | 111 | 0.4 |
| 1160102 | Soil | 2.3 | <0.1 | 1.12 | 3.0 | <1 | 103 | 0.1 | 0.24 | 0.1 | 4.7 | 23 | 8.5 | 1.61 | 4 | 0.06 | 0.04 | 9 | 0.39 | 131 | 0.7 |
| 1160112 | Soil | 4.9 | 0.2 | 1.70 | 4.7 | 1 | 197 | 0.1 | 0.34 | <0.1 | 10.1 | 23 | 23.0 | 2.38 | 5 | 0.06 | 0.05 | 7 | 0.71 | 260 | 0.6 |
| 1160110 | Soil | 0.7 | <0.1 | 1.32 | 3.3 | 1 | 108 | <0.1 | 0.22 | <0.1 | 7.2 | 20 | 18.4 | 1.97 | 5 | 0.03 | 0.06 | 6 | 0.57 | 219 | 0.5 |
| 1160111 | Soil | 1.0 | 0.1 | 1.81 | 3.6 | 1 | 228 | 0.1 | 0.39 | 0.2 | 10.8 | 22 | 29.9 | 2.72 | 6 | 0.04 | 0.05 | 7 | 0.80 | 346 | 0.6 |
| 1160103 | Soil | 1.9 | <0.1 | 1.36 | 3.5 | 1 | 99 | 0.1 | 0.23 | 0.1 | 6.4 | 25 | 12.1 | 2.04 | 5 | 0.03 | 0.04 | 8 | 0.53 | 167 | 0.6 |
| 1160108 | Soil | 1.0 | <0.1 | 1.17 | 3.5 | 1 | 93 | 0.1 | 0.20 | <0.1 | 4.4 | 23 | 12.3 | 1.67 | 5 | 0.04 | 0.04 | 6 | 0.39 | 106 | 0.5 |
| 1160121 | Soil | 8.5 | 0.1 | 1.84 | 5.0 | 1 | 244 | 0.1 | 0.48 | 0.2 | 12.4 | 32 | 38.1 | 2.63 | 5 | 0.03 | 0.06 | 11 | 0.82 | 307 | 0.6 |
| 1160115 | Soil | 4.3 | 0.1 | 1.76 | 6.0 | 2 | 233 | <0.1 | 0.66 | 0.2 | 13.2 | 32 | 33.5 | 2.65 | 5 | 0.05 | 0.10 | 8 | 0.84 | 379 | 0.6 |
| 1160113 | Soil | 2.0 | 0.1 | 1.85 | 16.1 | 2 | 198 | <0.1 | 0.46 | 0.2 | 13.6 | 24 | 37.5 | 2.96 | 5 | 0.05 | 0.05 | 7 | 0.68 | 452 | 0.8 |
| 1160120 | Soil | 1.4 | <0.1 | 2.04 | 3.8 | 1 | 178 | <0.1 | 0.44 | 0.2 | 14.1 | 38 | 34.1 | 3.04 | 6 | 0.02 | 0.16 | 6 | 1.13 | 340 | 0.6 |
| 1160119 | Soil | 3.8 | 0.2 | 3.13 | 2.6 | <1 | 292 | <0.1 | 0.23 | <0.1 | 15.3 | 41 | 69.5 | 4.87 | 9 | 0.01 | 1.12 | 6 | 1.92 | 424 | 0.8 |
| 1160117 | Soil | 6.2 | 0.4 | 2.38 | 4.3 | <1 | 163 | <0.1 | 0.41 | <0.1 | 17.7 | 30 | 66.8 | 3.49 | 7 | 0.03 | 0.09 | 6 | 1.14 | 311 | 0.7 |
| 1160116 | Soil | 4.5 | 0.7 | 2.06 | 4.0 | <1 | 213 | <0.1 | 0.47 | <0.1 | 14.2 | 30 | 65.6 | 2.95 | 6 | 0.04 | 0.08 | 6 | 0.94 | 351 | 1.0 |
| 1160114 | Soil | 2.8 | 0.2 | 1.91 | 4.9 | 4 | 350 | <0.1 | 1.64 | 0.4 | 15.2 | 28 | 49.7 | 2.39 | 4 | 0.09 | 0.06 | 12 | 0.74 | 860 | 0.5 |
| 1160118 | Soil | 10.1 | 0.1 | 2.59 | 7.4 | 3 | 216 | 0.1 | 0.73 | <0.1 | 20.7 | 62 | 50.1 | 3.84 | 6 | 0.05 | 0.07 | 8 | 1.63 | 582 | 0.9 |
| 1160123 | Soil | 2.5 | 0.1 | 1.84 | 4.0 | 2 | 180 | 0.1 | 0.52 | 0.1 | 12.2 | 31 | 27.0 | 2.55 | 5 | 0.04 | 0.05 | 8 | 0.87 | 297 | 0.5 |
| 1160122 | Soil | 3.3 | <0.1 | 2.02 | 4.0 | 1 | 177 | 0.1 | 0.39 | 0.1 | 12.1 | 33 | 33.5 | 2.79 | 6 | 0.03 | 0.05 | 8 | 0.86 | 283 | 0.6 |
| 1160125 | Soil | 3.2 | 0.1 | 2.23 | 7.5 | 1 | 281 | <0.1 | 0.40 | <0.1 | 15.6 | 30 | 50.4 | 4.13 | 7 | 0.03 | 0.29 | 7 | 1.31 | 420 | 1.1 |
| 1160124 | Soil | 1.4 | <0.1 | 1.63 | 3.1 | 2 | 131 | 0.1 | 0.31 | <0.1 | 8.7 | 34 | 11.3 | 2.12 | 6 | 0.04 | 0.04 | 8 | 0.64 | 229 | 0.4 |
| 1160126 | Soil | 0.8 | <0.1 | 2.09 | 4.3 | 1 | 322 | <0.1 | 0.40 | <0.1 | 22.5 | 42 | 40.0 | 4.52 | 7 | 0.02 | 0.28 | 7 | 1.48 | 858 | 0.6 |

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Project: TSL
Report Date: August 29, 2011



# CERTIFICATE OF ANALYSIS DAW11000173.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Na | Ni | P | Pb | S | Sb | Sc | Se | Sr | Te | Th | Ti | Tl | U | V | W | Zn |
| | Unit | % | ppm | % | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | MDL | 0.001 | 0.1 | 0.001 | 0.1 | 0.05 | 0.1 | 0.1 | 0.5 | 1 | 0.2 | 0.1 | 0.001 | 0.1 | 0.1 | 2 | 0.1 | 1 |
| 1073633 | Soil | 0.011 | 13.1 | 0.065 | 8.5 | <0.05 | 0.6 | 12.5 | 0.7 | 29 | <0.2 | 1.8 | 0.037 | <0.1 | 0.7 | 109 | 0.1 | 80 |
| 1073635 | Soil | 0.015 | 15.2 | 0.076 | 8.0 | <0.05 | 0.4 | 13.9 | 0.7 | 40 | <0.2 | 1.7 | 0.033 | <0.1 | 0.7 | 93 | <0.1 | 77 |
| 1073637 | Soil | 0.018 | 13.6 | 0.060 | 7.8 | <0.05 | 0.4 | 8.4 | 0.6 | 33 | <0.2 | 1.5 | 0.040 | <0.1 | 0.5 | 91 | <0.1 | 91 |
| 1073636 | Soil | 0.018 | 16.8 | 0.078 | 10.0 | 0.06 | 0.4 | 10.8 | <0.5 | 50 | <0.2 | 1.2 | 0.035 | <0.1 | 0.6 | 79 | <0.1 | 81 |
| 1160104 | Soil | 0.013 | 14.3 | 0.064 | 16.6 | <0.05 | 0.2 | 3.1 | <0.5 | 19 | <0.2 | 1.6 | 0.078 | <0.1 | 0.6 | 52 | <0.1 | 65 |
| 1160107 | Soil | 0.013 | 9.9 | 0.046 | 7.4 | 0.05 | 0.2 | 2.3 | <0.5 | 17 | <0.2 | 0.8 | 0.071 | <0.1 | 0.5 | 40 | <0.1 | 40 |
| 1160106 | Soil | 0.011 | 9.7 | 0.042 | 8.7 | <0.05 | 0.2 | 2.0 | 0.7 | 17 | <0.2 | 0.6 | 0.064 | <0.1 | 0.5 | 34 | <0.1 | 37 |
| 1160101 | Soil | 0.013 | 14.5 | 0.048 | 11.0 | <0.05 | 0.2 | 2.5 | <0.5 | 20 | <0.2 | 1.9 | 0.073 | 0.1 | 0.8 | 53 | 0.1 | 52 |
| 1160105 | Soil | 0.018 | 14.0 | 0.045 | 12.3 | <0.05 | 0.1 | 3.5 | <0.5 | 18 | <0.2 | 1.3 | 0.121 | <0.1 | 0.4 | 85 | <0.1 | 75 |
| 1160109 | Soil | 0.012 | 8.7 | 0.041 | 7.3 | <0.05 | 0.2 | 2.1 | <0.5 | 15 | <0.2 | 0.7 | 0.061 | <0.1 | 0.3 | 37 | <0.1 | 36 |
| 1160102 | Soil | 0.012 | 11.2 | 0.063 | 8.4 | 0.07 | 0.2 | 2.0 | <0.5 | 17 | <0.2 | 1.1 | 0.050 | <0.1 | 0.9 | 26 | 0.1 | 38 |
| 1160112 | Soil | 0.015 | 13.2 | 0.044 | 5.4 | <0.05 | 0.3 | 3.8 | <0.5 | 22 | <0.2 | 0.9 | 0.062 | <0.1 | 0.5 | 65 | <0.1 | 55 |
| 1160110 | Soil | 0.015 | 9.2 | 0.048 | 6.5 | <0.05 | 0.2 | 2.5 | <0.5 | 15 | <0.2 | 0.8 | 0.078 | <0.1 | 0.4 | 54 | <0.1 | 41 |
| 1160111 | Soil | 0.019 | 12.2 | 0.047 | 6.8 | <0.05 | 0.2 | 4.5 | <0.5 | 23 | <0.2 | 1.0 | 0.082 | <0.1 | 0.5 | 72 | <0.1 | 63 |
| 1160103 | Soil | 0.012 | 12.6 | 0.045 | 9.0 | <0.05 | 0.2 | 2.4 | <0.5 | 17 | <0.2 | 1.9 | 0.073 | <0.1 | 0.6 | 46 | <0.1 | 49 |
| 1160108 | Soil | 0.011 | 10.7 | 0.042 | 7.3 | 0.07 | 0.2 | 2.2 | <0.5 | 16 | <0.2 | 0.6 | 0.059 | <0.1 | 0.4 | 33 | 0.1 | 36 |
| 1160121 | Soil | 0.017 | 21.1 | 0.061 | 6.8 | <0.05 | 0.4 | 4.4 | <0.5 | 28 | <0.2 | 2.2 | 0.096 | <0.1 | 0.6 | 64 | 0.1 | 58 |
| 1160115 | Soil | 0.016 | 20.4 | 0.060 | 6.1 | <0.05 | 0.3 | 3.8 | <0.5 | 30 | <0.2 | 1.4 | 0.102 | 0.1 | 0.5 | 68 | 0.1 | 62 |
| 1160113 | Soil | 0.018 | 14.6 | 0.051 | 7.1 | <0.05 | 0.4 | 5.0 | <0.5 | 26 | <0.2 | 1.0 | 0.049 | <0.1 | 0.5 | 76 | 0.1 | 56 |
| 1160120 | Soil | 0.016 | 19.5 | 0.040 | 7.2 | 0.05 | 0.3 | 4.5 | <0.5 | 22 | <0.2 | 1.5 | 0.122 | 0.1 | 0.4 | 85 | <0.1 | 61 |
| 1160119 | Soil | 0.018 | 20.7 | 0.054 | 4.3 | 0.49 | 0.1 | 9.0 | 0.9 | 34 | <0.2 | 1.1 | 0.192 | 0.2 | 0.3 | 147 | <0.1 | 62 |
| 1160117 | Soil | 0.014 | 19.7 | 0.044 | 7.3 | <0.05 | 0.2 | 4.7 | <0.5 | 22 | <0.2 | 1.3 | 0.122 | 0.1 | 0.4 | 109 | <0.1 | 74 |
| 1160116 | Soil | 0.013 | 18.9 | 0.042 | 5.3 | <0.05 | 0.2 | 3.7 | <0.5 | 25 | <0.2 | 1.1 | 0.089 | 0.2 | 0.5 | 88 | <0.1 | 65 |
| 1160114 | Soil | 0.016 | 21.5 | 0.061 | 5.8 | 0.10 | 0.4 | 4.4 | <0.5 | 59 | <0.2 | 1.0 | 0.067 | <0.1 | 0.8 | 59 | <0.1 | 72 |
| 1160118 | Soil | 0.017 | 31.7 | 0.034 | 11.3 | <0.05 | 0.3 | 9.7 | <0.5 | 29 | <0.2 | 2.0 | 0.069 | <0.1 | 0.6 | 104 | <0.1 | 69 |
| 1160123 | Soil | 0.021 | 18.3 | 0.054 | 6.7 | <0.05 | 0.2 | 3.7 | 0.5 | 28 | <0.2 | 1.5 | 0.077 | <0.1 | 0.5 | 67 | 0.1 | 61 |
| 1160122 | Soil | 0.016 | 18.5 | 0.051 | 8.3 | <0.05 | 0.2 | 4.1 | <0.5 | 23 | <0.2 | 1.5 | 0.080 | <0.1 | 0.5 | 75 | 0.1 | 63 |
| 1160125 | Soil | 0.017 | 16.8 | 0.050 | 7.2 | <0.05 | 0.2 | 5.2 | <0.5 | 32 | <0.2 | 2.0 | 0.135 | 0.1 | 0.5 | 101 | <0.1 | 85 |
| 1160124 | Soil | 0.015 | 15.9 | 0.056 | 8.0 | <0.05 | 0.2 | 2.9 | <0.5 | 20 | <0.2 | 1.1 | 0.054 | <0.1 | 0.5 | 50 | 0.1 | 55 |
| 1160126 | Soil | 0.013 | 19.9 | 0.068 | 5.9 | <0.05 | 0.4 | 8.5 | <0.5 | 19 | <0.2 | 1.7 | 0.099 | <0.1 | 0.4 | 123 | <0.1 | 68 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.

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Project: TSL
Report Date: August 29, 2011



# CERTIFICATE OF ANALYSIS DAW11000173.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Au | Ag | Al | As | B | Ba | Bi | Ca | Cd | Co | Cr | Cu | Fe | Ga | Hg | K | La | Mg | Mn | Mo |
| | Unit | ppb | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | % | ppm | ppm |
| | MDL | 0.5 | 0.1 | 0.01 | 0.5 | 1 | 1 | 0.1 | 0.01 | 0.1 | 0.1 | 1 | 0.1 | 0.01 | 1 | 0.01 | 0.01 | 1 | 0.01 | 1 | 0.1 |
| 1160130 | Soil | 0.9 | 0.1 | 2.08 | 4.5 | 2 | 365 | <0.1 | 0.77 | 0.1 | 18.2 | 25 | 38.5 | 4.06 | 7 | 0.04 | 0.10 | 11 | 1.07 | 611 | 0.5 |
| 1160128 | Soil | 3.0 | <0.1 | 2.23 | 4.9 | 1 | 329 | 0.2 | 0.44 | <0.1 | 14.0 | 27 | 29.8 | 3.82 | 7 | 0.04 | 0.16 | 8 | 1.28 | 423 | 0.8 |
| 1160127 | Soil | 2.5 | <0.1 | 2.28 | 4.6 | 2 | 337 | 0.1 | 0.44 | 0.1 | 14.5 | 26 | 30.4 | 4.07 | 7 | 0.02 | 0.16 | 8 | 1.31 | 427 | 0.8 |
| 1160129 | Soil | 1.0 | 0.2 | 2.10 | 5.1 | 1 | 483 | <0.1 | 0.56 | 0.1 | 15.8 | 29 | 36.4 | 4.07 | 7 | 0.04 | 0.10 | 11 | 0.97 | 585 | 0.7 |
| 1090363 | Soil | 5.0 | 0.1 | 1.89 | 6.3 | 1 | 197 | 0.2 | 0.36 | 0.1 | 13.9 | 39 | 20.0 | 3.16 | 6 | 0.04 | 0.07 | 20 | 0.85 | 599 | 0.9 |
| 1090364 | Soil | 1.6 | <0.1 | 1.55 | 6.8 | 1 | 204 | 0.2 | 0.35 | 0.1 | 12.8 | 35 | 17.2 | 2.91 | 6 | 0.02 | 0.06 | 15 | 0.72 | 614 | 1.0 |
| 1090366 | Soil | 3.2 | <0.1 | 1.26 | 3.1 | 1 | 100 | 0.2 | 0.25 | <0.1 | 5.4 | 26 | 9.2 | 1.66 | 5 | 0.04 | 0.05 | 9 | 0.50 | 138 | 0.5 |
| 1090365 | Soil | 4.1 | <0.1 | 1.56 | 3.7 | 1 | 152 | 0.2 | 0.28 | <0.1 | 7.1 | 29 | 11.4 | 2.07 | 5 | 0.03 | 0.05 | 11 | 0.64 | 184 | 0.6 |
| 1090368 | Soil | 1.8 | 0.3 | 1.88 | 4.8 | 2 | 298 | 0.1 | 0.36 | 0.1 | 12.5 | 39 | 52.4 | 3.11 | 7 | 0.04 | 0.12 | 10 | 0.95 | 322 | 0.7 |
| 1090369 | Soil | 3.2 | 0.2 | 2.31 | 7.7 | 1 | 245 | 0.1 | 0.27 | <0.1 | 20.5 | 38 | 45.8 | 4.13 | 8 | 0.02 | 0.12 | 8 | 1.12 | 635 | 0.9 |
| 1090367 | Soil | 2.1 | 0.3 | 2.03 | 4.8 | 1 | 293 | 0.2 | 0.36 | 0.1 | 15.7 | 30 | 36.3 | 3.50 | 7 | 0.05 | 0.10 | 9 | 0.95 | 602 | 0.8 |
| 1090373 | Soil | 2.2 | 0.1 | 1.95 | 5.2 | 2 | 197 | 0.1 | 0.32 | 0.1 | 11.9 | 29 | 33.9 | 2.88 | 7 | 0.03 | 0.08 | 8 | 0.82 | 402 | 0.7 |
| 1090371 | Soil | 10.3 | <0.1 | 2.37 | 8.8 | 1 | 192 | 0.1 | 0.27 | 0.1 | 14.7 | 34 | 39.6 | 3.59 | 7 | 0.02 | 0.07 | 8 | 0.81 | 343 | 0.9 |
| 1090372 | Soil | 3.7 | <0.1 | 1.81 | 7.5 | 2 | 110 | 0.1 | 0.28 | <0.1 | 19.3 | 28 | 22.3 | 3.32 | 8 | 0.02 | 0.05 | 6 | 0.85 | 724 | 0.9 |
| 1090370 | Soil | 3.3 | 0.2 | 1.51 | 7.7 | 1 | 138 | 0.1 | 0.27 | 0.2 | 12.9 | 24 | 44.2 | 2.87 | 6 | 0.04 | 0.06 | 7 | 0.54 | 514 | 1.2 |
| 1090374 | Soil | 1.3 | <0.1 | 1.79 | 5.5 | <1 | 148 | <0.1 | 0.37 | <0.1 | 15.4 | 28 | 30.7 | 2.99 | 6 | 0.04 | 0.06 | 7 | 0.94 | 505 | 0.5 |
| 1090392 | Soil | 2.3 | 0.1 | 2.20 | 4.9 | 1 | 406 | 0.1 | 0.62 | 0.2 | 15.2 | 25 | 50.0 | 4.20 | 7 | 0.04 | 0.10 | 11 | 0.84 | 502 | 0.7 |
| 1090389 | Soil | 1.4 | <0.1 | 1.83 | 4.4 | 1 | 118 | 0.1 | 0.34 | <0.1 | 8.3 | 30 | 12.3 | 2.37 | 6 | 0.05 | 0.06 | 7 | 0.86 | 165 | 0.3 |
| 1090393 | Soil | 1.5 | <0.1 | 2.35 | 3.2 | 1 | 430 | <0.1 | 0.71 | 0.1 | 22.6 | 24 | 44.6 | 4.90 | 8 | 0.03 | 0.13 | 10 | 1.27 | 570 | 0.5 |
| 1090394 | Soil | 4.4 | 0.1 | 1.95 | 4.5 | <1 | 363 | <0.1 | 0.43 | 0.2 | 20.3 | 27 | 27.7 | 3.71 | 6 | 0.05 | 0.06 | 9 | 1.00 | 1015 | 0.7 |
| 1090388 | Soil | 4.5 | <0.1 | 2.45 | 4.1 | 2 | 198 | <0.1 | 0.47 | 0.1 | 17.8 | 29 | 29.8 | 4.06 | 9 | 0.02 | 0.19 | 8 | 1.49 | 651 | 0.7 |
| 1090386 | Soil | 2.5 | 0.1 | 1.97 | 5.0 | 1 | 246 | 0.1 | 0.59 | 0.2 | 13.6 | 35 | 37.3 | 3.05 | 6 | 0.04 | 0.05 | 12 | 0.95 | 381 | 0.8 |
| 1090385 | Soil | 11.5 | 0.1 | 1.99 | 5.1 | 2 | 210 | <0.1 | 0.58 | 0.1 | 12.6 | 38 | 32.4 | 2.93 | 5 | 0.03 | 0.08 | 10 | 0.95 | 335 | 0.7 |
| 1090375 | Soil | 5.2 | <0.1 | 1.87 | 4.7 | 2 | 211 | 0.1 | 0.38 | <0.1 | 11.6 | 31 | 28.1 | 2.88 | 6 | 0.03 | 0.10 | 9 | 0.81 | 300 | 0.5 |
| 1090376 | Soil | 6.3 | 0.1 | 1.71 | 4.3 | 1 | 144 | <0.1 | 0.31 | 0.1 | 9.9 | 33 | 23.3 | 2.46 | 5 | 0.03 | 0.06 | 8 | 0.81 | 226 | 0.4 |
| 1090378 | Soil | 2.9 | 0.1 | 1.84 | 5.2 | 2 | 251 | <0.1 | 1.06 | 0.1 | 14.1 | 29 | 37.2 | 3.03 | 6 | 0.05 | 0.06 | 8 | 0.93 | 525 | 0.7 |
| 1090377 | Soil | 5.0 | 0.1 | 1.23 | 4.2 | 2 | 120 | <0.1 | 0.22 | <0.1 | 5.4 | 25 | 14.9 | 1.77 | 4 | 0.06 | 0.04 | 7 | 0.43 | 96 | 0.5 |
| 1090383 | Soil | 3.8 | 0.2 | 2.82 | 3.9 | 1 | 205 | <0.1 | 0.46 | <0.1 | 19.5 | 40 | 39.8 | 4.04 | 8 | 0.02 | 0.52 | 6 | 1.74 | 567 | 0.8 |
| 1090379 | Soil | 3.7 | 0.2 | 2.40 | 5.0 | 1 | 239 | <0.1 | 0.58 | 0.1 | 17.5 | 41 | 49.0 | 3.73 | 7 | 0.03 | 0.07 | 8 | 1.16 | 406 | 0.9 |
| 1090380 | Soil | 8.7 | 0.1 | 2.34 | 4.4 | <1 | 132 | 0.1 | 0.56 | <0.1 | 17.3 | 29 | 44.4 | 3.49 | 6 | 0.02 | 0.07 | 6 | 1.27 | 379 | 0.6 |

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Project: TSL
Report Date: August 29, 2011



# CERTIFICATE OF ANALYSIS DAW11000173.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Na | Ni | P | Pb | S | Sb | Sc | Se | Sr | Te | Th | Ti | Tl | U | V | W | Zn |
| | Unit | % | ppm | % | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | MDL | 0.001 | 0.1 | 0.001 | 0.1 | 0.05 | 0.1 | 0.1 | 0.5 | 1 | 0.2 | 0.1 | 0.001 | 0.1 | 0.1 | 2 | 0.1 | 1 |
| 1160130 | Soil | 0.017 | 15.3 | 0.076 | 8.3 | <0.05 | 0.4 | 9.8 | <0.5 | 37 | <0.2 | 1.9 | 0.044 | <0.1 | 0.7 | 100 | <0.1 | 87 |
| 1160128 | Soil | 0.014 | 13.8 | 0.074 | 8.1 | <0.05 | 0.3 | 6.7 | <0.5 | 22 | <0.2 | 2.1 | 0.070 | <0.1 | 0.5 | 89 | <0.1 | 69 |
| 1160127 | Soil | 0.015 | 14.0 | 0.078 | 8.7 | <0.05 | 0.3 | 6.9 | <0.5 | 22 | <0.2 | 2.1 | 0.070 | <0.1 | 0.5 | 87 | <0.1 | 72 |
| 1160129 | Soil | 0.013 | 17.4 | 0.060 | 8.3 | <0.05 | 0.3 | 10.3 | <0.5 | 27 | <0.2 | 2.3 | 0.065 | <0.1 | 0.7 | 96 | 0.1 | 78 |
| 1090363 | Soil | 0.013 | 22.1 | 0.072 | 20.9 | <0.05 | 0.3 | 3.8 | <0.5 | 22 | <0.2 | 5.3 | 0.087 | <0.1 | 1.3 | 65 | 0.1 | 71 |
| 1090364 | Soil | 0.012 | 18.7 | 0.075 | 17.2 | <0.05 | 0.3 | 3.3 | <0.5 | 23 | <0.2 | 4.1 | 0.079 | <0.1 | 1.0 | 63 | 0.1 | 64 |
| 1090366 | Soil | 0.011 | 12.4 | 0.046 | 18.8 | <0.05 | 0.1 | 2.2 | <0.5 | 18 | <0.2 | 1.3 | 0.064 | <0.1 | 0.6 | 40 | 0.1 | 45 |
| 1090365 | Soil | 0.013 | 15.6 | 0.058 | 13.4 | <0.05 | 0.2 | 2.6 | <0.5 | 21 | <0.2 | 2.0 | 0.069 | <0.1 | 0.8 | 49 | 0.1 | 58 |
| 1090368 | Soil | 0.016 | 19.0 | 0.063 | 12.9 | <0.05 | 0.2 | 4.6 | <0.5 | 27 | <0.2 | 1.7 | 0.124 | <0.1 | 0.8 | 86 | <0.1 | 62 |
| 1090369 | Soil | 0.015 | 19.1 | 0.050 | 12.3 | <0.05 | 0.3 | 4.4 | <0.5 | 20 | <0.2 | 2.1 | 0.150 | 0.1 | 0.5 | 121 | 0.1 | 74 |
| 1090367 | Soil | 0.020 | 15.1 | 0.076 | 35.7 | <0.05 | 0.2 | 5.6 | <0.5 | 25 | <0.2 | 1.2 | 0.110 | <0.1 | 0.8 | 101 | <0.1 | 65 |
| 1090373 | Soil | 0.016 | 15.3 | 0.060 | 8.9 | <0.05 | 0.2 | 4.3 | <0.5 | 23 | <0.2 | 1.5 | 0.116 | <0.1 | 0.5 | 82 | 0.1 | 65 |
| 1090371 | Soil | 0.016 | 18.1 | 0.036 | 11.1 | <0.05 | 0.3 | 3.4 | <0.5 | 21 | <0.2 | 2.2 | 0.142 | <0.1 | 0.4 | 96 | 0.1 | 58 |
| 1090372 | Soil | 0.017 | 14.1 | 0.044 | 10.6 | <0.05 | 0.2 | 3.7 | <0.5 | 20 | <0.2 | 1.3 | 0.093 | <0.1 | 0.3 | 102 | 0.1 | 63 |
| 1090370 | Soil | 0.019 | 13.2 | 0.053 | 9.1 | <0.05 | 0.2 | 3.2 | <0.5 | 17 | <0.2 | 1.0 | 0.088 | <0.1 | 0.4 | 82 | <0.1 | 55 |
| 1090374 | Soil | 0.017 | 16.5 | 0.053 | 5.1 | <0.05 | 0.2 | 3.4 | <0.5 | 22 | <0.2 | 1.7 | 0.124 | <0.1 | 0.4 | 96 | 0.1 | 59 |
| 1090392 | Soil | 0.014 | 16.0 | 0.068 | 9.9 | <0.05 | 0.3 | 10.0 | <0.5 | 27 | <0.2 | 2.1 | 0.039 | <0.1 | 0.6 | 96 | 0.1 | 86 |
| 1090389 | Soil | 0.014 | 13.5 | 0.050 | 9.1 | <0.05 | 0.2 | 3.8 | <0.5 | 20 | <0.2 | 1.1 | 0.053 | <0.1 | 0.4 | 72 | <0.1 | 60 |
| 1090393 | Soil | 0.014 | 14.7 | 0.080 | 9.5 | <0.05 | 0.4 | 13.3 | 0.5 | 32 | <0.2 | 2.0 | 0.028 | <0.1 | 0.6 | 129 | <0.1 | 104 |
| 1090394 | Soil | 0.014 | 16.5 | 0.061 | 9.6 | <0.05 | 0.3 | 7.0 | <0.5 | 25 | <0.2 | 1.5 | 0.039 | <0.1 | 0.6 | 96 | <0.1 | 80 |
| 1090388 | Soil | 0.019 | 17.2 | 0.058 | 8.1 | <0.05 | 0.2 | 7.1 | <0.5 | 22 | <0.2 | 1.8 | 0.126 | <0.1 | 0.4 | 128 | 0.1 | 116 |
| 1090386 | Soil | 0.020 | 21.3 | 0.066 | 9.6 | <0.05 | 0.4 | 6.2 | <0.5 | 30 | <0.2 | 2.5 | 0.074 | <0.1 | 0.8 | 82 | 0.1 | 85 |
| 1090385 | Soil | 0.022 | 20.5 | 0.059 | 9.3 | <0.05 | 0.3 | 4.5 | <0.5 | 30 | <0.2 | 2.5 | 0.116 | <0.1 | 0.7 | 78 | 0.1 | 61 |
| 1090375 | Soil | 0.017 | 18.2 | 0.068 | 6.9 | <0.05 | 0.2 | 4.1 | <0.5 | 23 | <0.2 | 1.9 | 0.096 | <0.1 | 0.6 | 69 | 0.1 | 69 |
| 1090376 | Soil | 0.016 | 17.3 | 0.063 | 6.3 | <0.05 | 0.2 | 3.4 | <0.5 | 20 | <0.2 | 1.3 | 0.085 | <0.1 | 0.5 | 61 | 0.1 | 59 |
| 1090378 | Soil | 0.019 | 18.2 | 0.065 | 6.1 | 0.05 | 0.4 | 4.8 | <0.5 | 39 | <0.2 | 0.9 | 0.072 | <0.1 | 0.7 | 79 | <0.1 | 62 |
| 1090377 | Soil | 0.013 | 11.1 | 0.064 | 5.7 | 0.05 | 0.2 | 2.1 | <0.5 | 19 | <0.2 | 0.4 | 0.064 | <0.1 | 0.5 | 35 | <0.1 | 36 |
| 1090383 | Soil | 0.016 | 22.8 | 0.043 | 7.0 | <0.05 | 0.2 | 5.2 | <0.5 | 22 | <0.2 | 1.4 | 0.184 | 0.3 | 0.5 | 119 | <0.1 | 69 |
| 1090379 | Soil | 0.018 | 22.1 | 0.051 | 6.4 | <0.05 | 0.3 | 5.0 | <0.5 | 34 | <0.2 | 1.7 | 0.102 | 0.1 | 0.6 | 101 | <0.1 | 73 |
| 1090380 | Soil | 0.019 | 17.3 | 0.043 | 5.9 | <0.05 | 0.2 | 4.0 | <0.5 | 29 | <0.2 | 1.5 | 0.148 | <0.1 | 0.4 | 102 | <0.1 | 67 |

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Report Date: August 29, 2011



# CERTIFICATE OF ANALYSIS DAW11000173.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Au | Ag | Al | As | B | Ba | Bi | Ca | Cd | Co | Cr | Cu | Fe | Ga | Hg | K | La | Mg | Mn | Mo |
| | Unit | ppb | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | % | ppm | ppm |
| | MDL | 0.5 | 0.1 | 0.01 | 0.5 | 1 | 1 | 0.1 | 0.01 | 0.1 | 0.1 | 1 | 0.1 | 0.01 | 1 | 0.01 | 0.01 | 1 | 0.01 | 1 | 0.1 |
| 1090381 | Soil | 3.6 | 0.2 | 2.48 | 3.8 | 2 | 177 | <0.1 | 0.46 | 0.1 | 18.6 | 48 | 54.1 | 3.52 | 7 | 0.02 | 0.28 | 6 | 1.68 | 409 | 0.6 |
| 1090382 | Soil | 2.4 | <0.1 | 2.38 | 4.8 | 2 | 263 | <0.1 | 0.65 | 0.1 | 19.1 | 41 | 45.8 | 4.06 | 8 | 0.03 | 0.17 | 10 | 1.61 | 547 | 0.7 |
| 1090384 | Soil | 6.0 | 0.1 | 2.15 | 4.5 | 2 | 255 | 0.1 | 0.81 | 0.2 | 14.6 | 35 | 41.9 | 3.23 | 6 | 0.04 | 0.20 | 9 | 1.25 | 421 | 0.6 |
| 1090390 | Soil | 2.7 | <0.1 | 2.04 | 5.9 | 1 | 386 | <0.1 | 0.58 | <0.1 | 17.3 | 35 | 37.7 | 4.49 | 7 | 0.02 | 0.10 | 9 | 1.24 | 450 | 0.9 |
| 1090391 | Soil | 3.8 | <0.1 | 2.05 | 5.7 | 2 | 391 | <0.1 | 0.60 | 0.1 | 17.9 | 36 | 37.4 | 4.48 | 7 | 0.01 | 0.10 | 10 | 1.24 | 461 | 0.9 |
| 1090387 | Soil | 1.3 | 0.1 | 2.98 | 3.8 | 2 | 319 | <0.1 | 0.59 | 0.3 | 21.3 | 41 | 57.9 | 6.52 | 12 | 0.04 | 0.28 | 12 | 1.97 | 981 | 0.7 |

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Report Date: August 29, 2011



# CERTIFICATE OF ANALYSIS DAW11000173.1

| | | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Analyte | Na | Ni | P | Pb | S | Sb | Sc | Se | Sr | Te | Th | Ti | Tl | U | V | W | Zn |
| | | Unit | % | ppm | % | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | | MDL | 0.001 | 0.1 | 0.001 | 0.1 | 0.05 | 0.1 | 0.1 | 0.5 | 1 | 0.2 | 0.1 | 0.001 | 0.1 | 0.1 | 2 | 0.1 | 1 |
| 1090381 | Soil | | 0.015 | 23.8 | 0.046 | 6.5 | <0.05 | 0.2 | 3.4 | <0.5 | 27 | <0.2 | 1.3 | 0.182 | 0.1 | 0.4 | 102 | <0.1 | 68 |
| 1090382 | Soil | | 0.018 | 21.9 | 0.055 | 9.4 | <0.05 | 0.2 | 7.2 | <0.5 | 26 | <0.2 | 2.7 | 0.126 | 0.1 | 0.6 | 106 | <0.1 | 80 |
| 1090384 | Soil | | 0.019 | 21.9 | 0.053 | 6.8 | <0.05 | 0.3 | 5.3 | 0.5 | 35 | <0.2 | 2.0 | 0.139 | 0.2 | 0.7 | 89 | 0.1 | 68 |
| 1090390 | Soil | | 0.019 | 20.5 | 0.082 | 7.7 | <0.05 | 0.4 | 7.2 | 0.5 | 25 | <0.2 | 2.9 | 0.099 | <0.1 | 0.5 | 93 | <0.1 | 86 |
| 1090391 | Soil | | 0.020 | 19.9 | 0.079 | 9.7 | <0.05 | 0.4 | 7.4 | <0.5 | 26 | <0.2 | 2.9 | 0.097 | <0.1 | 0.5 | 95 | <0.1 | 84 |
| 1090387 | Soil | | 0.016 | 19.5 | 0.109 | 7.1 | <0.05 | 0.2 | 15.0 | <0.5 | 26 | <0.2 | 2.6 | 0.104 | <0.1 | 0.6 | 154 | <0.1 | 214 |

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Project: TSL
Report Date: August 29, 2011



# QUALITY CONTROL REPORT DAW11000173.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Au | Ag | Al | As | B | Ba | Bi | Ca | Cd | Co | Cr | Cu | Fe | Ga | Hg | K | La | Mg | Mn | Mo |
| | Unit | ppb | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | % | ppm | ppm |
| | MDL | 0.5 | 0.1 | 0.01 | 0.5 | 1 | 1 | 0.1 | 0.01 | 0.1 | 0.1 | 1 | 0.1 | 0.01 | 1 | 0.01 | 0.01 | 1 | 0.01 | 1 | 0.1 |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | | | | |
| 1090425 | Soil | <0.5 | <0.1 | 1.55 | 3.9 | <1 | 103 | <0.1 | 0.28 | <0.1 | 8.1 | 25 | 16.9 | 2.14 | 5 | 0.04 | 0.04 | 6 | 0.71 | 179 | 0.5 |
| REP 1090425 | QC | 9.8 | <0.1 | 1.60 | 3.9 | 1 | 108 | <0.1 | 0.30 | <0.1 | 8.4 | 26 | 17.8 | 2.23 | 5 | 0.03 | 0.04 | 7 | 0.73 | 184 | 0.6 |
| 1073918 | Soil | 1.9 | 0.1 | 1.90 | 5.5 | 1 | 186 | 0.1 | 0.29 | 0.1 | 12.4 | 35 | 17.5 | 2.95 | 6 | 0.04 | 0.06 | 7 | 0.77 | 475 | 0.7 |
| REP 1073918 | QC | 1.1 | 0.2 | 1.87 | 5.4 | <1 | 181 | 0.2 | 0.28 | 0.1 | 12.5 | 34 | 16.8 | 2.92 | 6 | 0.03 | 0.06 | 7 | 0.76 | 468 | 0.6 |
| 1073979 | Soil | 3.5 | 0.1 | 1.85 | 10.1 | 2 | 181 | 0.2 | 0.46 | 0.1 | 20.8 | 64 | 72.9 | 3.51 | 6 | 0.03 | 0.13 | 11 | 1.01 | 440 | 0.9 |
| REP 1073979 | QC | 2.3 | 0.1 | 1.95 | 10.7 | 2 | 179 | 0.2 | 0.50 | 0.1 | 21.2 | 65 | 75.2 | 3.57 | 6 | 0.04 | 0.14 | 11 | 1.05 | 447 | 0.9 |
| 1160140 | Soil | 7.9 | 0.2 | 2.39 | 5.2 | 1 | 189 | <0.1 | 0.42 | 0.1 | 17.4 | 41 | 38.1 | 3.67 | 7 | 0.05 | 0.30 | 7 | 1.45 | 477 | 0.7 |
| REP 1160140 | QC | 2.9 | 0.2 | 2.37 | 4.7 | 1 | 184 | <0.1 | 0.42 | 0.2 | 17.2 | 40 | 37.1 | 3.58 | 7 | 0.05 | 0.29 | 6 | 1.42 | 471 | 0.8 |
| 1160147 | Soil | 3.3 | 0.1 | 2.13 | 5.6 | 2 | 312 | 0.1 | 0.59 | 0.2 | 13.6 | 35 | 43.0 | 3.25 | 6 | 0.05 | 0.05 | 11 | 0.92 | 551 | 0.5 |
| REP 1160147 | QC | 2.3 | 0.1 | 2.20 | 5.3 | 2 | 307 | 0.1 | 0.61 | 0.2 | 14.2 | 35 | 43.9 | 3.21 | 7 | 0.04 | 0.06 | 12 | 0.95 | 531 | 0.5 |
| 1090433 | Soil | 7.3 | <0.1 | 1.79 | 5.0 | 2 | 161 | 0.1 | 0.39 | 0.2 | 8.6 | 36 | 16.2 | 2.42 | 6 | 0.06 | 0.05 | 8 | 0.73 | 205 | 0.5 |
| REP 1090433 | QC | 3.5 | <0.1 | 1.76 | 5.4 | 2 | 158 | 0.1 | 0.42 | 0.2 | 8.8 | 34 | 17.0 | 2.41 | 6 | 0.05 | 0.05 | 8 | 0.71 | 194 | 0.6 |
| 1090476 | Soil | 1.8 | <0.1 | 1.84 | 4.5 | <1 | 223 | 0.1 | 0.63 | 0.2 | 13.6 | 32 | 39.4 | 2.84 | 6 | 0.02 | 0.05 | 9 | 1.02 | 373 | 0.5 |
| REP 1090476 | QC | 2.6 | <0.1 | 1.85 | 4.8 | <1 | 209 | 0.1 | 0.62 | 0.2 | 12.9 | 32 | 36.4 | 2.68 | 5 | 0.03 | 0.05 | 9 | 0.94 | 372 | 0.5 |
| 1162449 | Soil | 2.2 | 0.1 | 2.18 | 5.3 | <1 | 248 | 0.2 | 0.48 | 0.2 | 15.6 | 43 | 68.6 | 3.74 | 7 | 0.02 | 0.09 | 9 | 1.05 | 460 | 1.0 |
| REP 1162449 | QC | 2.8 | 0.1 | 2.14 | 5.4 | <1 | 248 | 0.2 | 0.46 | 0.3 | 16.0 | 44 | 70.0 | 3.86 | 8 | 0.03 | 0.09 | 9 | 1.13 | 467 | 1.1 |
| 1090361 | Soil | 6.7 | 0.1 | 2.46 | 4.3 | 2 | 202 | <0.1 | 0.48 | 0.2 | 20.1 | 38 | 44.7 | 3.81 | 7 | 0.02 | 0.38 | 6 | 1.54 | 508 | 0.6 |
| REP 1090361 | QC | 2.1 | 0.2 | 2.55 | 4.6 | <1 | 204 | <0.1 | 0.50 | 0.1 | 20.4 | 40 | 46.4 | 3.93 | 7 | 0.02 | 0.40 | 7 | 1.62 | 522 | 0.7 |
| 1167925 | Soil | 3.8 | <0.1 | 2.02 | 5.9 | 1 | 344 | 0.1 | 0.76 | 0.2 | 15.5 | 37 | 36.6 | 3.30 | 6 | 0.05 | 0.05 | 11 | 0.85 | 555 | 0.5 |
| REP 1167925 | QC | 2.2 | <0.1 | 1.93 | 5.7 | 1 | 342 | 0.1 | 0.74 | 0.1 | 14.7 | 35 | 36.6 | 3.22 | 6 | 0.05 | 0.05 | 11 | 0.80 | 534 | 0.6 |
| 1167935 | Soil | 3.7 | 0.1 | 1.95 | 4.3 | 2 | 225 | 0.1 | 0.59 | 0.2 | 14.3 | 35 | 36.4 | 2.93 | 6 | 0.03 | 0.04 | 10 | 1.02 | 315 | 0.5 |
| REP 1167935 | QC | 1.4 | 0.1 | 2.01 | 4.4 | 1 | 212 | <0.1 | 0.60 | <0.1 | 14.3 | 34 | 37.3 | 2.85 | 6 | 0.03 | 0.05 | 10 | 1.01 | 309 | 0.4 |
| 1167796 | Soil | 5.7 | 0.2 | 3.21 | 9.1 | 2 | 198 | 0.4 | 0.34 | 0.1 | 25.3 | 70 | 61.1 | 5.41 | 8 | 0.06 | 0.06 | 9 | 0.96 | 703 | 1.3 |
| REP 1167796 | QC | <0.5 | 0.2 | 3.21 | 9.3 | 1 | 196 | 0.4 | 0.34 | 0.2 | 26.0 | 72 | 62.3 | 5.61 | 9 | 0.04 | 0.06 | 9 | 0.98 | 729 | 1.5 |
| 1167800 | Soil | 5.5 | <0.1 | 2.12 | 10.6 | <1 | 208 | 0.1 | 0.32 | 0.1 | 16.4 | 32 | 31.3 | 3.75 | 6 | 0.04 | 0.06 | 9 | 0.86 | 416 | 0.9 |
| REP 1167800 | QC | 4.0 | <0.1 | 2.06 | 9.8 | <1 | 205 | 0.1 | 0.34 | 0.2 | 16.7 | 33 | 30.8 | 3.84 | 6 | 0.04 | 0.06 | 8 | 0.85 | 431 | 0.9 |
| 1073623 | Soil | 2.3 | 0.2 | 2.14 | 5.4 | <1 | 145 | <0.1 | 0.44 | <0.1 | 17.7 | 33 | 40.6 | 3.60 | 6 | 0.03 | 0.08 | 6 | 1.07 | 482 | 0.7 |
| REP 1073623 | QC | 5.7 | 0.3 | 2.10 | 4.8 | 1 | 137 | <0.1 | 0.41 | 0.1 | 17.1 | 31 | 40.0 | 3.54 | 6 | 0.03 | 0.07 | 6 | 1.09 | 490 | 0.7 |

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Project: TSL
Report Date: August 29, 2011



# QUALITY CONTROL REPORT DAW11000173.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Na | Ni | P | Pb | S | Sb | Sc | Se | Sr | Te | Th | Ti | Tl | U | V | W | Zn |
| | Unit | % | ppm | % | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | MDL | 0.001 | 0.1 | 0.001 | 0.1 | 0.05 | 0.1 | 0.1 | 0.5 | 1 | 0.2 | 0.1 | 0.001 | 0.1 | 0.1 | 2 | 0.1 | 1 |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | |
| 1090425 | Soil | 0.015 | 13.2 | 0.047 | 6.6 | <0.05 | 0.2 | 2.5 | <0.5 | 18 | <0.2 | 1.0 | 0.066 | <0.1 | 0.4 | 54 | 0.1 | 52 |
| REP 1090425 | QC | 0.015 | 13.8 | 0.048 | 7.0 | <0.05 | 0.1 | 2.6 | <0.5 | 19 | <0.2 | 1.0 | 0.071 | <0.1 | 0.4 | 57 | 0.1 | 53 |
| 1073918 | Soil | 0.012 | 17.4 | 0.057 | 15.7 | <0.05 | 0.2 | 3.1 | <0.5 | 20 | <0.2 | 1.9 | 0.080 | <0.1 | 0.6 | 65 | <0.1 | 74 |
| REP 1073918 | QC | 0.012 | 17.4 | 0.056 | 15.5 | <0.05 | 0.3 | 3.0 | <0.5 | 20 | <0.2 | 1.9 | 0.082 | 0.2 | 0.6 | 64 | 0.1 | 73 |
| 1073979 | Soil | 0.017 | 37.1 | 0.070 | 19.8 | <0.05 | 0.5 | 4.5 | 0.7 | 23 | <0.2 | 2.7 | 0.133 | 0.1 | 0.8 | 79 | 0.1 | 63 |
| REP 1073979 | QC | 0.018 | 38.3 | 0.072 | 20.1 | <0.05 | 0.5 | 4.6 | 0.6 | 23 | <0.2 | 2.7 | 0.136 | 0.1 | 0.8 | 83 | 0.1 | 64 |
| 1160140 | Soil | 0.017 | 22.3 | 0.059 | 9.0 | <0.05 | 0.2 | 5.3 | <0.5 | 24 | <0.2 | 1.6 | 0.163 | 0.2 | 0.5 | 101 | <0.1 | 85 |
| REP 1160140 | QC | 0.018 | 21.8 | 0.059 | 8.5 | <0.05 | 0.2 | 5.2 | <0.5 | 24 | <0.2 | 1.5 | 0.159 | 0.2 | 0.5 | 99 | <0.1 | 83 |
| 1160147 | Soil | 0.019 | 23.0 | 0.051 | 9.3 | <0.05 | 0.4 | 6.3 | <0.5 | 33 | <0.2 | 2.3 | 0.096 | <0.1 | 0.8 | 85 | 0.1 | 71 |
| REP 1160147 | QC | 0.021 | 22.4 | 0.053 | 9.4 | <0.05 | 0.4 | 6.3 | <0.5 | 34 | <0.2 | 2.5 | 0.100 | <0.1 | 0.8 | 84 | 0.1 | 76 |
| 1090433 | Soil | 0.015 | 18.6 | 0.061 | 11.4 | <0.05 | 0.3 | 3.4 | <0.5 | 21 | <0.2 | 1.8 | 0.085 | <0.1 | 0.5 | 61 | 0.1 | 64 |
| REP 1090433 | QC | 0.016 | 19.4 | 0.061 | 11.1 | <0.05 | 0.2 | 3.5 | <0.5 | 22 | <0.2 | 1.8 | 0.080 | <0.1 | 0.5 | 61 | 0.1 | 66 |
| 1090476 | Soil | 0.023 | 19.9 | 0.064 | 7.6 | <0.05 | 0.2 | 5.2 | <0.5 | 33 | <0.2 | 2.2 | 0.064 | <0.1 | 0.7 | 70 | 0.2 | 76 |
| REP 1090476 | QC | 0.022 | 17.9 | 0.061 | 7.4 | 0.05 | 0.3 | 5.3 | <0.5 | 33 | <0.2 | 2.1 | 0.073 | <0.1 | 0.7 | 68 | 0.2 | 69 |
| 1162449 | Soil | 0.028 | 23.5 | 0.059 | 15.6 | <0.05 | 0.5 | 7.5 | 0.5 | 31 | <0.2 | 2.0 | 0.118 | <0.1 | 0.7 | 87 | <0.1 | 128 |
| REP 1162449 | QC | 0.027 | 24.9 | 0.065 | 15.6 | <0.05 | 0.5 | 7.7 | <0.5 | 31 | <0.2 | 1.9 | 0.115 | <0.1 | 0.7 | 87 | <0.1 | 129 |
| 1090361 | Soil | 0.018 | 22.1 | 0.047 | 6.9 | <0.05 | 0.2 | 5.0 | <0.5 | 25 | <0.2 | 1.7 | 0.176 | 0.3 | 0.5 | 107 | <0.1 | 67 |
| REP 1090361 | QC | 0.021 | 23.5 | 0.048 | 7.0 | <0.05 | 0.2 | 5.0 | <0.5 | 26 | <0.2 | 1.7 | 0.186 | 0.2 | 0.5 | 112 | <0.1 | 71 |
| 1167925 | Soil | 0.013 | 21.9 | 0.045 | 7.6 | <0.05 | 0.5 | 7.1 | <0.5 | 40 | <0.2 | 1.9 | 0.053 | <0.1 | 0.7 | 84 | <0.1 | 63 |
| REP 1167925 | QC | 0.013 | 21.7 | 0.043 | 7.8 | <0.05 | 0.5 | 6.9 | <0.5 | 39 | <0.2 | 2.0 | 0.053 | <0.1 | 0.6 | 80 | <0.1 | 61 |
| 1167935 | Soil | 0.020 | 19.3 | 0.050 | 9.1 | <0.05 | 0.2 | 4.5 | <0.5 | 29 | <0.2 | 1.9 | 0.078 | <0.1 | 0.6 | 74 | 0.1 | 70 |
| REP 1167935 | QC | 0.021 | 20.1 | 0.052 | 8.9 | <0.05 | 0.2 | 4.5 | 0.6 | 28 | <0.2 | 1.8 | 0.079 | <0.1 | 0.6 | 74 | <0.1 | 73 |
| 1167796 | Soil | 0.010 | 40.3 | 0.044 | 57.7 | <0.05 | 0.5 | 8.2 | 0.6 | 22 | 0.3 | 2.2 | 0.044 | 0.1 | 0.7 | 101 | 0.1 | 58 |
| REP 1167796 | QC | 0.010 | 39.9 | 0.046 | 58.7 | <0.05 | 0.6 | 8.4 | <0.5 | 22 | 0.4 | 2.2 | 0.045 | <0.1 | 0.6 | 100 | 0.1 | 57 |
| 1167800 | Soil | 0.013 | 19.1 | 0.056 | 8.1 | <0.05 | 0.5 | 7.3 | 0.5 | 19 | <0.2 | 1.9 | 0.036 | <0.1 | 0.6 | 85 | <0.1 | 69 |
| REP 1167800 | QC | 0.013 | 19.9 | 0.058 | 8.0 | <0.05 | 0.5 | 7.6 | 0.7 | 18 | <0.2 | 1.9 | 0.035 | <0.1 | 0.6 | 89 | <0.1 | 70 |
| 1073623 | Soil | 0.015 | 17.9 | 0.049 | 7.4 | <0.05 | 0.2 | 4.3 | <0.5 | 23 | <0.2 | 1.5 | 0.111 | <0.1 | 0.4 | 108 | <0.1 | 69 |
| REP 1073623 | QC | 0.014 | 17.1 | 0.047 | 7.3 | <0.05 | 0.2 | 4.2 | <0.5 | 22 | <0.2 | 1.4 | 0.109 | <0.1 | 0.4 | 103 | <0.1 | 70 |

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Project: TSL
Report Date: August 29, 2011



# QUALITY CONTROL REPORT DAW11000173.1

| | | 1DX15 Au ppb 0.5 | 1DX15 Ag ppm 0.1 | 1DX15 Al % 0.01 | 1DX15 As ppm 0.5 | 1DX15 B ppm 1 | 1DX15 Ba ppm 1 | 1DX15 Bi ppm 0.1 | 1DX15 Ca % 0.01 | 1DX15 Cd ppm 0.1 | 1DX15 Co ppm 0.1 | 1DX15 Cr ppm 1 | 1DX15 Cu ppm 0.1 | 1DX15 Fe % 0.01 | 1DX15 Ga ppm 1 | 1DX15 Hg ppm 0.01 | 1DX15 K % 0.01 | 1DX15 La ppm 1 | 1DX15 Mg % 0.01 | 1DX15 Mn ppm 1 | 1DX15 Mo ppm 0.1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1073632 | Soil | 1.3 | <0.1 | 1.56 | 5.1 | 1 | 159 | 0.2 | 0.32 | 0.1 | 10.9 | 31 | 15.6 | 2.83 | 6 | 0.04 | 0.05 | 9 | 0.68 | 383 | 0.7 |
| REP 1073632 | QC | 4.2 | <0.1 | 1.61 | 5.0 | 1 | 163 | 0.2 | 0.30 | 0.1 | 10.4 | 29 | 15.3 | 2.74 | 6 | 0.04 | 0.05 | 9 | 0.71 | 375 | 0.7 |
| 1160111 | Soil | 1.0 | 0.1 | 1.81 | 3.6 | 1 | 228 | 0.1 | 0.39 | 0.2 | 10.8 | 22 | 29.9 | 2.72 | 6 | 0.04 | 0.05 | 7 | 0.80 | 346 | 0.6 |
| REP 1160111 | QC | 2.3 | 0.1 | 1.89 | 4.0 | 1 | 225 | <0.1 | 0.40 | 0.1 | 11.3 | 23 | 29.3 | 2.72 | 6 | 0.03 | 0.05 | 7 | 0.82 | 330 | 0.5 |
| 1090366 | Soil | 3.2 | <0.1 | 1.26 | 3.1 | 1 | 100 | 0.2 | 0.25 | <0.1 | 5.4 | 26 | 9.2 | 1.66 | 5 | 0.04 | 0.05 | 9 | 0.50 | 138 | 0.5 |
| REP 1090366 | QC | 1.9 | <0.1 | 1.27 | 3.1 | <1 | 103 | 0.2 | 0.26 | <0.1 | 5.5 | 27 | 9.6 | 1.71 | 5 | 0.04 | 0.05 | 9 | 0.50 | 141 | 0.6 |
| 1090375 | Soil | 5.2 | <0.1 | 1.87 | 4.7 | 2 | 211 | 0.1 | 0.38 | <0.1 | 11.6 | 31 | 28.1 | 2.88 | 6 | 0.03 | 0.10 | 9 | 0.81 | 300 | 0.5 |
| REP 1090375 | QC | 3.2 | <0.1 | 1.89 | 4.8 | 2 | 209 | <0.1 | 0.39 | 0.1 | 11.1 | 30 | 28.4 | 2.80 | 5 | 0.03 | 0.10 | 9 | 0.79 | 289 | 0.6 |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | |
| STD DS8 | Standard | 94.3 | 1.6 | 0.90 | 24.3 | <1 | 279 | 5.7 | 0.66 | 2.0 | 7.5 | 114 | 107.4 | 2.46 | 4 | 0.21 | 0.39 | 15 | 0.60 | 594 | 13.2 |
| STD DS8 | Standard | 111.5 | 1.8 | 0.94 | 26.0 | 3 | 271 | 6.8 | 0.72 | 2.1 | 7.9 | 124 | 117.0 | 2.58 | 5 | 0.19 | 0.41 | 15 | 0.65 | 635 | 13.6 |
| STD DS8 | Standard | 117.3 | 1.9 | 0.89 | 25.8 | 1 | 286 | 7.4 | 0.69 | 2.9 | 7.0 | 110 | 115.9 | 2.48 | 4 | 0.18 | 0.44 | 15 | 0.59 | 587 | 12.9 |
| STD DS8 | Standard | 104.3 | 1.8 | 0.96 | 25.7 | 3 | 286 | 6.7 | 0.69 | 2.2 | 8.3 | 124 | 121.0 | 2.51 | 5 | 0.20 | 0.46 | 13 | 0.63 | 615 | 13.6 |
| STD DS8 | Standard | 124.3 | 1.7 | 0.86 | 24.0 | 2 | 276 | 6.4 | 0.66 | 2.2 | 7.2 | 109 | 103.9 | 2.38 | 4 | 0.20 | 0.40 | 13 | 0.60 | 587 | 12.0 |
| STD DS8 | Standard | 113.1 | 1.8 | 0.91 | 25.6 | 2 | 283 | 6.3 | 0.70 | 2.3 | 7.7 | 124 | 117.8 | 2.50 | 5 | 0.19 | 0.41 | 16 | 0.61 | 609 | 14.0 |
| STD DS8 | Standard | 117.1 | 1.8 | 0.93 | 23.8 | 1 | 297 | 6.8 | 0.66 | 2.2 | 7.7 | 119 | 110.6 | 2.39 | 5 | 0.20 | 0.40 | 16 | 0.59 | 596 | 14.0 |
| STD DS8 | Standard | 119.7 | 1.8 | 1.00 | 26.0 | 2 | 271 | 6.8 | 0.70 | 2.2 | 8.0 | 125 | 116.2 | 2.66 | 5 | 0.19 | 0.43 | 15 | 0.66 | 656 | 13.7 |
| STD DS8 | Standard | 109.4 | 1.7 | 0.89 | 24.9 | 3 | 264 | 6.2 | 0.71 | 2.1 | 7.3 | 115 | 97.6 | 2.42 | 5 | 0.21 | 0.41 | 15 | 0.59 | 576 | 13.4 |
| STD DS8 | Standard | 107.7 | 1.9 | 0.88 | 24.5 | 3 | 273 | 6.3 | 0.69 | 2.3 | 7.6 | 111 | 101.6 | 2.39 | 4 | 0.19 | 0.41 | 14 | 0.60 | 602 | 11.5 |
| STD DS8 | Standard | 116.5 | 1.9 | 0.94 | 26.3 | 2 | 290 | 7.1 | 0.72 | 2.7 | 8.0 | 125 | 115.7 | 2.55 | 5 | 0.20 | 0.43 | 15 | 0.63 | 632 | 12.9 |
| STD DS8 | Standard | 119.5 | 1.8 | 0.92 | 25.9 | 2 | 283 | 6.7 | 0.72 | 2.0 | 7.9 | 122 | 113.1 | 2.46 | 5 | 0.21 | 0.43 | 15 | 0.62 | 631 | 13.0 |
| STD DS8 Expected | | 107 | 1.69 | 0.93 | 26 | 2.6 | 279 | 6.67 | 0.7 | 2.38 | 7.5 | 115 | 110 | 2.46 | 4.7 | 0.192 | 0.41 | 14.6 | 0.6045 | 615 | 13.44 |
| BLK | Blank | <0.5 | <0.1 | <0.01 | <0.5 | <1 | <1 | <0.1 | <0.01 | <0.1 | <0.1 | <1 | <0.1 | 0.02 | <1 | <0.01 | <0.01 | <1 | <0.01 | <1 | <0.1 |
| BLK | Blank | <0.5 | <0.1 | <0.01 | <0.5 | <1 | <1 | <0.1 | <0.01 | <0.1 | <0.1 | <1 | <0.1 | <0.01 | <1 | <0.01 | <0.01 | <1 | <0.01 | <1 | <0.1 |
| BLK | Blank | <0.5 | <0.1 | <0.01 | <0.5 | <1 | <1 | <0.1 | <0.01 | <0.1 | <0.1 | <1 | <0.1 | 0.01 | <1 | <0.01 | <0.01 | <1 | <0.01 | <1 | <0.1 |
| BLK | Blank | <0.5 | <0.1 | <0.01 | <0.5 | <1 | <1 | <0.1 | <0.01 | <0.1 | <0.1 | <1 | <0.1 | <0.01 | <1 | <0.01 | <0.01 | <1 | <0.01 | <1 | <0.1 |
| BLK | Blank | <0.5 | <0.1 | <0.01 | <0.5 | <1 | <1 | <0.1 | <0.01 | <0.1 | <0.1 | <1 | <0.1 | 0.01 | <1 | <0.01 | <0.01 | <1 | <0.01 | <1 | <0.1 |
| BLK | Blank | <0.5 | <0.1 | <0.01 | <0.5 | <1 | <1 | <0.1 | <0.01 | <0.1 | <0.1 | <1 | <0.1 | <0.01 | <1 | <0.01 | <0.01 | <1 | <0.01 | <1 | <0.1 |
| BLK | Blank | <0.5 | <0.1 | <0.01 | <0.5 | <1 | <1 | <0.1 | <0.01 | <0.1 | <0.1 | <1 | <0.1 | 0.01 | <1 | <0.01 | <0.01 | <1 | <0.01 | <1 | <0.1 |

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Project: TSL
Report Date: August 29, 2011



# QUALITY CONTROL REPORT DAW11000173.1

| | | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Na | Ni | P | Pb | S | Sb | Sc | Se | Sr | Te | Th | Ti | Tl | U | V | W | Zn |
| | | % | ppm | % | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | | 0.001 | 0.1 | 0.001 | 0.1 | 0.05 | 0.1 | 0.1 | 0.5 | 1 | 0.2 | 0.1 | 0.001 | 0.1 | 0.1 | 2 | 0.1 | 1 |
| 1073632 | Soil | 0.012 | 15.1 | 0.056 | 9.0 | <0.05 | 0.5 | 3.7 | <0.5 | 19 | <0.2 | 1.6 | 0.043 | <0.1 | 0.5 | 69 | 0.1 | 69 |
| REP 1073632 | QC | 0.012 | 14.5 | 0.057 | 9.2 | <0.05 | 0.5 | 3.6 | <0.5 | 19 | <0.2 | 1.7 | 0.040 | <0.1 | 0.5 | 66 | 0.1 | 68 |
| 1160111 | Soil | 0.019 | 12.2 | 0.047 | 6.8 | <0.05 | 0.2 | 4.5 | <0.5 | 23 | <0.2 | 1.0 | 0.082 | <0.1 | 0.5 | 72 | <0.1 | 63 |
| REP 1160111 | QC | 0.019 | 12.7 | 0.050 | 6.1 | <0.05 | 0.2 | 4.8 | <0.5 | 23 | <0.2 | 1.1 | 0.078 | <0.1 | 0.5 | 75 | <0.1 | 62 |
| 1090366 | Soil | 0.011 | 12.4 | 0.046 | 18.8 | <0.05 | 0.1 | 2.2 | <0.5 | 18 | <0.2 | 1.3 | 0.064 | <0.1 | 0.6 | 40 | 0.1 | 45 |
| REP 1090366 | QC | 0.011 | 13.0 | 0.048 | 18.8 | <0.05 | 0.2 | 2.2 | <0.5 | 19 | <0.2 | 1.3 | 0.066 | <0.1 | 0.6 | 39 | 0.1 | 45 |
| 1090375 | Soil | 0.017 | 18.2 | 0.068 | 6.9 | <0.05 | 0.2 | 4.1 | <0.5 | 23 | <0.2 | 1.9 | 0.096 | <0.1 | 0.6 | 69 | 0.1 | 69 |
| REP 1090375 | QC | 0.017 | 18.2 | 0.068 | 6.9 | <0.05 | 0.2 | 4.2 | <0.5 | 23 | <0.2 | 1.9 | 0.091 | <0.1 | 0.6 | 65 | 0.1 | 67 |
| Reference Materials | | | | | | | | | | | | | | | | | | |
| STD DS8 | Standard | 0.089 | 38.5 | 0.079 | 121.7 | 0.08 | 5.5 | 2.4 | 4.3 | 63 | 4.3 | 6.8 | 0.112 | 5.4 | 2.8 | 40 | 2.9 | 299 |
| STD DS8 | Standard | 0.084 | 39.9 | 0.083 | 126.5 | 0.15 | 6.0 | 2.2 | 5.0 | 67 | 5.0 | 7.0 | 0.126 | 5.6 | 2.8 | 44 | 3.1 | 327 |
| STD DS8 | Standard | 0.095 | 37.4 | 0.084 | 120.6 | 0.13 | 6.7 | 2.2 | 5.4 | 74 | 5.2 | 7.2 | 0.118 | 5.4 | 2.9 | 38 | 3.0 | 311 |
| STD DS8 | Standard | 0.103 | 42.2 | 0.079 | 128.4 | 0.16 | 5.5 | 2.5 | 4.1 | 68 | 5.5 | 6.7 | 0.132 | 5.4 | 2.8 | 45 | 2.9 | 322 |
| STD DS8 | Standard | 0.085 | 36.1 | 0.076 | 121.6 | 0.16 | 5.0 | 1.9 | 5.1 | 60 | 4.7 | 6.3 | 0.097 | 5.5 | 2.7 | 39 | 2.7 | 303 |
| STD DS8 | Standard | 0.088 | 40.7 | 0.078 | 130.1 | 0.14 | 5.4 | 2.3 | 6.0 | 61 | 5.0 | 7.0 | 0.125 | 5.6 | 2.8 | 43 | 3.0 | 323 |
| STD DS8 | Standard | 0.105 | 38.8 | 0.073 | 127.8 | 0.11 | 5.7 | 2.3 | 4.5 | 72 | 4.5 | 7.0 | 0.129 | 5.5 | 2.9 | 43 | 3.1 | 308 |
| STD DS8 | Standard | 0.105 | 40.7 | 0.085 | 129.6 | 0.14 | 5.0 | 2.4 | 4.9 | 64 | 4.8 | 7.2 | 0.121 | 5.6 | 2.8 | 42 | 2.7 | 323 |
| STD DS8 | Standard | 0.083 | 36.3 | 0.079 | 119.1 | 0.16 | 5.0 | 2.1 | 5.2 | 61 | 4.6 | 6.5 | 0.109 | 5.0 | 2.8 | 41 | 3.0 | 295 |
| STD DS8 | Standard | 0.087 | 35.3 | 0.078 | 115.5 | 0.17 | 5.7 | 2.1 | 5.2 | 59 | 4.7 | 5.8 | 0.104 | 5.2 | 2.4 | 41 | 3.0 | 308 |
| STD DS8 | Standard | 0.092 | 40.2 | 0.085 | 131.7 | 0.15 | 6.2 | 2.2 | 4.6 | 67 | 5.3 | 7.2 | 0.125 | 5.4 | 2.9 | 44 | 3.0 | 324 |
| STD DS8 | Standard | 0.092 | 39.4 | 0.082 | 125.1 | 0.15 | 5.3 | 2.2 | 5.3 | 63 | 4.4 | 6.5 | 0.122 | 5.4 | 2.8 | 44 | 3.0 | 320 |
| STD DS8 Expected | | 0.0883 | 38.1 | 0.08 | 123 | 0.1679 | 5.7 | 2.3 | 5.23 | 67.7 | 5 | 6.89 | 0.113 | 5.4 | 2.8 | 41.1 | 3 | 312 |
| BLK | Blank | <0.001 | <0.1 | <0.001 | <0.1 | <0.05 | <0.1 | <0.1 | <0.5 | <1 | <0.2 | <0.1 | <0.001 | <0.1 | <0.1 | <2 | <0.1 | <1 |
| BLK | Blank | <0.001 | <0.1 | <0.001 | <0.1 | <0.05 | <0.1 | <0.1 | <0.5 | <1 | <0.2 | <0.1 | <0.001 | <0.1 | <0.1 | <2 | <0.1 | <1 |
| BLK | Blank | <0.001 | <0.1 | <0.001 | <0.1 | <0.05 | <0.1 | <0.1 | <0.5 | <1 | <0.2 | <0.1 | <0.001 | <0.1 | <0.1 | <2 | <0.1 | <1 |
| BLK | Blank | <0.001 | <0.1 | <0.001 | <0.1 | <0.05 | <0.1 | <0.1 | <0.5 | <1 | <0.2 | <0.1 | <0.001 | <0.1 | <0.1 | <2 | <0.1 | <1 |
| BLK | Blank | <0.001 | <0.1 | <0.001 | <0.1 | <0.05 | <0.1 | <0.1 | <0.5 | <1 | <0.2 | <0.1 | <0.001 | <0.1 | <0.1 | <2 | <0.1 | <1 |
| BLK | Blank | <0.001 | <0.1 | <0.001 | <0.1 | <0.05 | <0.1 | <0.1 | <0.5 | <1 | <0.2 | <0.1 | <0.001 | <0.1 | <0.1 | <2 | <0.1 | <1 |
| BLK | Blank | <0.001 | <0.1 | <0.001 | <0.1 | <0.05 | <0.1 | <0.1 | <0.5 | <1 | <0.2 | <0.1 | <0.001 | <0.1 | <0.1 | <2 | <0.1 | <1 |

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Project: TSL
Report Date: August 29, 2011



# QUALITY CONTROL REPORT DAW11000173.1

| | | 1DX15 Au ppb 0.5 | 1DX15 Ag ppm 0.1 | 1DX15 Al % 0.01 | 1DX15 As ppm 0.5 | 1DX15 B ppm 1 | 1DX15 Ba ppm 1 | 1DX15 Bi ppm 0.1 | 1DX15 Ca % 0.01 | 1DX15 Cd ppm 0.1 | 1DX15 Co ppm 0.1 | 1DX15 Cr ppm 1 | 1DX15 Cu ppm 0.1 | 1DX15 Fe % 0.01 | 1DX15 Ga ppm 1 | 1DX15 Hg ppm 0.01 | 1DX15 K % 0.01 | 1DX15 La ppm 1 | 1DX15 Mg % 0.01 | 1DX15 Mn ppm 1 | 1DX15 Mo ppm 0.1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BLK | Blank | <0.5 | <0.1 | <0.01 | <0.5 | <1 | <1 | <0.1 | <0.01 | <0.1 | <0.1 | <1 | <0.1 | <0.01 | <1 | <0.01 | <0.01 | <1 | <0.01 | <1 | <0.1 |
| BLK | Blank | <0.5 | <0.1 | <0.01 | <0.5 | <1 | <1 | <0.1 | <0.01 | <0.1 | <0.1 | <1 | <0.1 | <0.01 | <1 | <0.01 | <0.01 | <1 | <0.01 | <1 | <0.1 |
| BLK | Blank | <0.5 | <0.1 | <0.01 | <0.5 | <1 | <1 | <0.1 | <0.01 | <0.1 | <0.1 | <1 | <0.1 | <0.01 | <1 | <0.01 | <0.01 | <1 | <0.01 | <1 | <0.1 |
| BLK | Blank | <0.5 | <0.1 | <0.01 | <0.5 | <1 | <1 | <0.1 | <0.01 | <0.1 | <0.1 | <1 | <0.1 | <0.01 | <1 | <0.01 | <0.01 | <1 | <0.01 | <1 | <0.1 |
| BLK | Blank | <0.5 | <0.1 | <0.01 | <0.5 | <1 | <1 | <0.1 | <0.01 | <0.1 | <0.1 | <1 | <0.1 | <0.01 | <1 | <0.01 | <0.01 | <1 | <0.01 | <1 | <0.1 |

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# QUALITY CONTROL REPORT DAW11000173.1

| | | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Na | Ni | P | Pb | S | Sb | Sc | Se | Sr | Te | Th | Ti | Tl | U | V | W | Zn |
| | | % | ppm | % | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | | 0.001 | 0.1 | 0.001 | 0.1 | 0.05 | 0.1 | 0.1 | 0.5 | 1 | 0.2 | 0.1 | 0.001 | 0.1 | 0.1 | 2 | 0.1 | 1 |
| BLK | Blank | <0.001 | <0.1 | <0.001 | <0.1 | <0.05 | <0.1 | <0.1 | <0.5 | <1 | <0.2 | <0.1 | <0.001 | <0.1 | <0.1 | <2 | <0.1 | <1 |
| BLK | Blank | <0.001 | <0.1 | <0.001 | <0.1 | <0.05 | <0.1 | <0.1 | <0.5 | <1 | <0.2 | <0.1 | <0.001 | <0.1 | <0.1 | <2 | <0.1 | <1 |
| BLK | Blank | <0.001 | <0.1 | <0.001 | <0.1 | <0.05 | <0.1 | <0.1 | <0.5 | <1 | <0.2 | <0.1 | <0.001 | <0.1 | <0.1 | <2 | <0.1 | <1 |
| BLK | Blank | <0.001 | <0.1 | <0.001 | <0.1 | <0.05 | <0.1 | <0.1 | <0.5 | <1 | <0.2 | <0.1 | <0.001 | <0.1 | <0.1 | <2 | <0.1 | <1 |
| BLK | Blank | <0.001 | <0.1 | <0.001 | <0.1 | <0.05 | <0.1 | <0.1 | <0.5 | <1 | <0.2 | <0.1 | <0.001 | <0.1 | <0.1 | <2 | <0.1 | <1 |

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