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 08, 2011
Report Date: September 01, 2011


# CERTIFICATE OF ANALYSIS DAW11000166.1

## CLIENT JOB INFORMATION

Project: TSL
Shipment ID: TSL2011-07
P.O. Number
Number of Samples: 270

## 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 | 270 | Dry at 60C sieve 100g to -80 mesh | | | WHI |
| Dry at 60C | 270 | Dry at 60C | | | WHI |
| 1DX2 | 270 | 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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# CERTIFICATE OF ANALYSIS DAW11000166.1

| | 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 |
| 1073987 | Soil | 2.1 | 0.1 | 1.48 | 3.6 | 2 | 120 | 0.1 | 0.24 | <0.1 | 6.9 | 22 | 15.9 | 2.14 | 6 | 0.04 | 0.04 | 6 | 0.69 | 158 | 0.5 |
| 1073991 | Soil | 6.8 | <0.1 | 2.02 | 4.6 | 1 | 130 | <0.1 | 0.26 | <0.1 | 14.5 | 40 | 35.7 | 2.85 | 6 | 0.02 | 0.21 | 5 | 1.39 | 285 | 0.5 |
| 1073994 | Soil | 3.9 | 0.1 | 2.04 | 5.6 | 1 | 206 | 0.1 | 0.33 | 0.1 | 14.9 | 30 | 36.4 | 3.30 | 6 | 0.02 | 0.30 | 7 | 1.07 | 396 | 0.6 |
| 1073995 | Soil | 3.2 | 0.1 | 1.52 | 4.3 | 1 | 167 | 0.1 | 0.21 | 0.1 | 8.2 | 26 | 32.7 | 2.28 | 6 | 0.04 | 0.06 | 6 | 0.67 | 168 | 0.7 |
| 1073993 | Soil | 2.5 | 0.5 | 1.93 | 8.5 | 1 | 305 | <0.1 | 0.34 | 0.2 | 12.3 | 40 | 32.4 | 3.00 | 6 | 0.04 | 0.25 | 9 | 1.02 | 451 | 1.4 |
| 1161241 | Soil | 2.6 | <0.1 | 1.27 | 4.7 | 2 | 121 | 0.1 | 0.24 | 0.2 | 5.7 | 21 | 14.8 | 2.10 | 5 | 0.04 | 0.03 | 7 | 0.44 | 183 | 0.5 |
| 1073988 | Soil | 2.8 | <0.1 | 1.54 | 4.4 | <1 | 140 | <0.1 | 0.25 | 0.1 | 7.4 | 23 | 15.9 | 2.19 | 5 | 0.03 | 0.04 | 7 | 0.63 | 184 | 0.4 |
| 1161240 | Soil | 2.3 | 0.1 | 1.71 | 4.6 | 1 | 194 | 0.1 | 0.43 | 0.2 | 15.3 | 21 | 24.7 | 3.28 | 6 | 0.04 | 0.05 | 9 | 0.68 | 739 | 1.0 |
| 1073989 | Soil | 3.1 | 0.2 | 2.17 | 3.2 | 1 | 206 | <0.1 | 0.28 | <0.1 | 13.6 | 25 | 42.1 | 3.24 | 7 | 0.03 | 0.27 | 5 | 1.13 | 267 | 0.5 |
| 1073996 | Soil | 2.3 | 0.1 | 1.65 | 4.9 | <1 | 158 | <0.1 | 0.25 | 0.2 | 9.0 | 26 | 25.3 | 2.42 | 5 | 0.03 | 0.05 | 7 | 0.67 | 204 | 0.7 |
| 1073990 | Soil | 1.6 | 0.2 | 2.21 | 4.3 | <1 | 218 | <0.1 | 0.41 | 0.1 | 15.4 | 37 | 49.6 | 3.42 | 7 | 0.02 | 0.26 | 4 | 1.26 | 290 | 0.5 |
| 1073992 | Soil | 3.0 | 0.3 | 2.26 | 3.3 | <1 | 189 | <0.1 | 0.23 | <0.1 | 14.3 | 47 | 41.3 | 3.19 | 7 | 0.03 | 0.44 | 5 | 1.50 | 367 | 0.7 |
| 1089143 | Soil | 4.5 | 0.2 | 2.33 | 4.9 | 1 | 306 | <0.1 | 0.38 | <0.1 | 18.4 | 44 | 69.7 | 3.69 | 7 | 0.03 | 0.27 | 10 | 1.28 | 507 | 0.9 |
| 1073984 | Soil | 1.0 | 0.1 | 1.41 | 4.1 | 1 | 128 | 0.1 | 0.24 | <0.1 | 5.9 | 22 | 19.3 | 2.00 | 5 | 0.04 | 0.04 | 7 | 0.51 | 140 | 0.4 |
| 1089147 | Soil | 2.3 | 0.1 | 1.70 | 13.1 | <1 | 130 | 0.2 | 0.18 | <0.1 | 10.9 | 26 | 57.1 | 3.22 | 7 | 0.03 | 0.12 | 8 | 0.66 | 310 | 1.0 |
| 1074000 | Soil | 0.5 | 0.1 | 1.55 | 3.3 | 1 | 285 | 0.1 | 0.38 | 0.1 | 7.5 | 20 | 25.5 | 2.52 | 6 | 0.04 | 0.06 | 8 | 0.76 | 317 | 1.2 |
| 1073986 | Soil | 5.9 | 0.1 | 1.42 | 3.9 | 1 | 131 | <0.1 | 0.26 | 0.1 | 6.6 | 21 | 21.7 | 2.20 | 5 | 0.06 | 0.05 | 6 | 0.59 | 153 | 0.5 |
| 1073997 | Soil | 2.2 | 0.2 | 2.52 | 3.8 | <1 | 452 | <0.1 | 0.17 | 0.2 | 12.5 | 17 | 87.6 | 5.14 | 9 | 0.01 | 0.71 | 8 | 1.38 | 421 | 0.9 |
| 1073998 | Soil | 2.2 | 0.1 | 1.81 | 4.9 | <1 | 498 | 0.1 | 0.46 | 0.1 | 14.3 | 26 | 39.8 | 3.73 | 6 | 0.02 | 0.10 | 9 | 0.79 | 619 | 0.9 |
| 1073985 | Soil | 2.1 | <0.1 | 1.27 | 3.6 | 1 | 113 | 0.1 | 0.20 | <0.1 | 4.6 | 22 | 15.3 | 1.62 | 5 | 0.04 | 0.04 | 7 | 0.41 | 112 | 0.5 |
| 1089149 | Soil | 1.8 | 0.2 | 1.59 | 6.0 | 1 | 154 | 0.2 | 0.27 | <0.1 | 10.6 | 25 | 32.1 | 2.57 | 5 | 0.04 | 0.05 | 7 | 0.57 | 323 | 0.8 |
| 1089145 | Soil | 1.9 | 0.2 | 2.17 | 5.5 | 1 | 444 | 0.1 | 0.32 | <0.1 | 14.2 | 37 | 42.7 | 3.25 | 7 | 0.04 | 0.20 | 9 | 1.03 | 483 | 0.8 |
| 1089142 | Soil | 2.7 | <0.1 | 2.52 | 6.2 | 1 | 226 | 0.1 | 0.32 | <0.1 | 16.0 | 27 | 41.2 | 4.04 | 8 | 0.02 | 0.23 | 10 | 1.15 | 358 | 0.7 |
| 1089144 | Soil | 13.3 | 0.1 | 2.01 | 7.0 | 1 | 188 | 0.1 | 0.22 | 0.2 | 10.2 | 29 | 37.5 | 3.13 | 7 | 0.03 | 0.05 | 11 | 0.72 | 350 | 0.8 |
| 1089141 | Soil | 2.5 | <0.1 | 1.25 | 8.4 | <1 | 115 | 0.2 | 0.16 | 0.1 | 7.5 | 25 | 21.8 | 2.96 | 8 | 0.02 | 0.09 | 6 | 0.56 | 316 | 1.3 |
| 1089146 | Soil | 2.0 | 0.4 | 2.50 | 9.2 | 2 | 588 | 0.4 | 0.31 | 0.1 | 13.8 | 34 | 65.3 | 3.98 | 9 | 0.05 | 0.30 | 18 | 0.90 | 485 | 0.9 |
| 1089148 | Soil | 3.4 | 0.2 | 0.96 | 5.3 | 2 | 81 | 0.2 | 0.12 | 0.1 | 4.4 | 16 | 40.9 | 1.56 | 4 | 0.04 | 0.05 | 5 | 0.29 | 110 | 1.0 |
| 1089150 | Soil | 4.6 | <0.1 | 1.52 | 5.0 | 1 | 156 | 0.1 | 0.32 | <0.1 | 9.7 | 25 | 20.5 | 2.29 | 5 | 0.03 | 0.06 | 8 | 0.67 | 252 | 0.5 |
| 1073999 | Soil | 1.6 | 0.2 | 1.67 | 4.5 | <1 | 503 | 0.1 | 0.50 | 0.1 | 13.6 | 25 | 41.7 | 3.44 | 6 | 0.02 | 0.09 | 9 | 0.73 | 601 | 0.9 |
| 1161242 | Soil | 3.9 | <0.1 | 1.31 | 3.8 | 2 | 112 | <0.1 | 0.27 | <0.1 | 6.5 | 22 | 14.1 | 2.02 | 5 | 0.04 | 0.04 | 7 | 0.55 | 205 | 0.5 |

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# CERTIFICATE OF ANALYSIS DAW11000166.1

| | 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 |
| 1073987 | Soil | 0.012 | 10.5 | 0.050 | 6.1 | <0.05 | 0.3 | 3.1 | <0.5 | 18 | <0.2 | 0.6 | 0.072 | <0.1 | 0.4 | 52 | <0.1 | 50 |
| 1073991 | Soil | 0.013 | 19.4 | 0.034 | 4.8 | <0.05 | 0.2 | 2.2 | <0.5 | 17 | <0.2 | 1.2 | 0.166 | <0.1 | 0.3 | 86 | <0.1 | 51 |
| 1073994 | Soil | 0.014 | 19.9 | 0.051 | 5.5 | <0.05 | 0.2 | 3.7 | <0.5 | 20 | <0.2 | 1.8 | 0.159 | 0.3 | 0.5 | 84 | 0.1 | 63 |
| 1073995 | Soil | 0.014 | 14.3 | 0.029 | 6.4 | <0.05 | 0.2 | 2.8 | <0.5 | 17 | <0.2 | 1.4 | 0.106 | <0.1 | 0.4 | 59 | 0.1 | 47 |
| 1073993 | Soil | 0.014 | 21.2 | 0.063 | 5.6 | <0.05 | 0.2 | 5.2 | 0.6 | 22 | <0.2 | 1.4 | 0.118 | 0.1 | 0.8 | 77 | <0.1 | 65 |
| 1161241 | Soil | 0.013 | 10.5 | 0.055 | 7.5 | <0.05 | 0.2 | 2.4 | 0.5 | 18 | <0.2 | 0.6 | 0.046 | <0.1 | 0.5 | 54 | 0.1 | 58 |
| 1073988 | Soil | 0.016 | 13.2 | 0.054 | 6.0 | <0.05 | 0.2 | 3.0 | <0.5 | 18 | <0.2 | 0.9 | 0.069 | <0.1 | 0.4 | 54 | 0.1 | 55 |
| 1161240 | Soil | 0.016 | 13.2 | 0.059 | 9.5 | <0.05 | 0.3 | 4.2 | 0.6 | 24 | <0.2 | 1.3 | 0.043 | <0.1 | 0.5 | 66 | 0.1 | 112 |
| 1073989 | Soil | 0.016 | 15.3 | 0.051 | 4.4 | <0.05 | 0.2 | 3.3 | <0.5 | 22 | <0.2 | 0.9 | 0.155 | 0.1 | 0.4 | 104 | <0.1 | 65 |
| 1073996 | Soil | 0.013 | 15.7 | 0.048 | 6.4 | <0.05 | 0.3 | 3.2 | <0.5 | 19 | <0.2 | 0.8 | 0.060 | <0.1 | 0.5 | 60 | 0.1 | 56 |
| 1073990 | Soil | 0.015 | 18.2 | 0.041 | 4.5 | <0.05 | 0.2 | 3.0 | <0.5 | 21 | <0.2 | 1.0 | 0.172 | 0.2 | 0.3 | 104 | <0.1 | 60 |
| 1073992 | Soil | 0.016 | 22.5 | 0.033 | 4.6 | <0.05 | 0.1 | 3.8 | <0.5 | 19 | <0.2 | 1.1 | 0.166 | 0.2 | 0.4 | 93 | <0.1 | 59 |
| 1089143 | Soil | 0.018 | 24.6 | 0.057 | 6.6 | <0.05 | 0.3 | 5.5 | 0.5 | 33 | <0.2 | 2.0 | 0.155 | 0.1 | 0.8 | 97 | 0.1 | 63 |
| 1073984 | Soil | 0.016 | 12.0 | 0.055 | 11.3 | <0.05 | 0.2 | 2.7 | <0.5 | 19 | <0.2 | 0.7 | 0.073 | <0.1 | 0.5 | 47 | 0.2 | 48 |
| 1089147 | Soil | 0.012 | 16.7 | 0.039 | 21.8 | <0.05 | 0.4 | 3.5 | 0.6 | 15 | <0.2 | 1.8 | 0.137 | <0.1 | 0.4 | 83 | 0.1 | 55 |
| 1074000 | Soil | 0.018 | 10.2 | 0.046 | 10.0 | 0.06 | 0.2 | 4.6 | 0.6 | 25 | <0.2 | 1.1 | 0.056 | <0.1 | 0.5 | 64 | 0.1 | 77 |
| 1073986 | Soil | 0.014 | 11.1 | 0.063 | 6.1 | <0.05 | 0.2 | 2.8 | <0.5 | 20 | <0.2 | 0.6 | 0.075 | <0.1 | 0.5 | 56 | 0.1 | 50 |
| 1073997 | Soil | 0.057 | 10.0 | 0.068 | 11.1 | 0.48 | 0.1 | 9.2 | 1.8 | 29 | <0.2 | 1.6 | 0.137 | 0.2 | 0.5 | 124 | <0.1 | 132 |
| 1073998 | Soil | 0.018 | 15.0 | 0.051 | 8.6 | 0.06 | 0.3 | 8.1 | 0.6 | 29 | <0.2 | 2.1 | 0.063 | <0.1 | 0.7 | 76 | <0.1 | 80 |
| 1073985 | Soil | 0.013 | 10.6 | 0.040 | 9.6 | <0.05 | 0.2 | 2.3 | <0.5 | 18 | <0.2 | 0.4 | 0.063 | <0.1 | 0.4 | 42 | 0.1 | 40 |
| 1089149 | Soil | 0.017 | 14.3 | 0.059 | 19.5 | <0.05 | 0.3 | 3.2 | <0.5 | 21 | <0.2 | 1.2 | 0.082 | <0.1 | 0.5 | 63 | 0.1 | 54 |
| 1089145 | Soil | 0.018 | 20.2 | 0.075 | 6.5 | <0.05 | 0.3 | 5.1 | 0.5 | 23 | <0.2 | 1.8 | 0.127 | 0.1 | 0.8 | 84 | 0.1 | 61 |
| 1089142 | Soil | 0.017 | 18.8 | 0.058 | 6.6 | <0.05 | 0.3 | 6.1 | <0.5 | 20 | <0.2 | 2.2 | 0.145 | <0.1 | 0.7 | 105 | 0.1 | 69 |
| 1089144 | Soil | 0.012 | 18.9 | 0.042 | 7.6 | <0.05 | 0.4 | 4.8 | <0.5 | 17 | <0.2 | 1.4 | 0.078 | <0.1 | 0.7 | 86 | 0.1 | 55 |
| 1089141 | Soil | 0.015 | 13.8 | 0.033 | 10.3 | <0.05 | 0.5 | 2.6 | <0.5 | 17 | <0.2 | 1.7 | 0.141 | <0.1 | 0.4 | 80 | <0.1 | 57 |
| 1089146 | Soil | 0.015 | 21.4 | 0.063 | 55.1 | <0.05 | 0.4 | 5.9 | <0.5 | 27 | <0.2 | 1.4 | 0.138 | 0.2 | 1.2 | 107 | 0.1 | 67 |
| 1089148 | Soil | 0.019 | 9.7 | 0.046 | 18.2 | <0.05 | 0.3 | 1.7 | 0.5 | 16 | <0.2 | 0.2 | 0.062 | <0.1 | 0.4 | 42 | 0.1 | 34 |
| 1089150 | Soil | 0.018 | 16.1 | 0.064 | 15.7 | <0.05 | 0.2 | 3.2 | <0.5 | 23 | <0.2 | 1.8 | 0.097 | <0.1 | 0.4 | 57 | 0.2 | 61 |
| 1073999 | Soil | 0.019 | 15.4 | 0.047 | 8.2 | <0.05 | 0.3 | 7.9 | 0.7 | 30 | <0.2 | 1.8 | 0.058 | <0.1 | 0.7 | 72 | 0.1 | 75 |
| 1161242 | Soil | 0.016 | 11.3 | 0.044 | 7.0 | <0.05 | 0.2 | 3.1 | <0.5 | 19 | <0.2 | 1.0 | 0.056 | <0.1 | 0.4 | 48 | 0.2 | 59 |

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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 |
| 1090012 | Soil | 6.4 | <0.1 | 1.84 | 4.5 | <1 | 231 | 0.1 | 0.40 | 0.2 | 13.3 | 31 | 44.3 | 2.70 | 5 | 0.03 | 0.05 | 11 | 0.80 | 342 | 0.6 |
| 1090013 | Soil | 13.3 | 0.1 | 1.78 | 4.3 | <1 | 209 | 0.1 | 0.41 | 0.1 | 10.7 | 29 | 27.5 | 2.49 | 5 | 0.03 | 0.04 | 11 | 0.69 | 390 | 0.6 |
| 1090016 | Soil | 3.7 | 0.1 | 2.29 | 6.0 | 1 | 435 | 0.1 | 0.67 | <0.1 | 14.5 | 32 | 38.4 | 2.89 | 6 | 0.06 | 0.04 | 15 | 0.90 | 547 | 0.6 |
| 1090019 | Soil | 0.8 | <0.1 | 2.61 | 3.7 | <1 | 245 | <0.1 | 0.29 | <0.1 | 16.7 | 48 | 45.0 | 3.73 | 8 | <0.01 | 0.82 | 5 | 1.91 | 453 | 0.6 |
| 1090017 | Soil | 2.5 | 0.2 | 1.80 | 4.4 | 1 | 215 | 0.1 | 0.45 | <0.1 | 8.7 | 29 | 29.4 | 2.48 | 6 | 0.03 | 0.05 | 7 | 0.66 | 229 | 0.7 |
| 1090020 | Soil | 3.1 | <0.1 | 2.19 | 5.9 | <1 | 139 | 0.1 | 0.33 | <0.1 | 12.7 | 33 | 45.1 | 3.14 | 6 | 0.02 | 0.10 | 7 | 0.96 | 348 | 0.7 |
| 1090014 | Soil | 4.1 | <0.1 | 1.89 | 5.5 | 1 | 296 | 0.1 | 0.31 | <0.1 | 10.9 | 30 | 30.7 | 2.90 | 6 | 0.03 | 0.09 | 10 | 0.78 | 306 | 0.6 |
| 1090015 | Soil | 3.9 | <0.1 | 2.22 | 4.2 | <1 | 354 | <0.1 | 0.45 | 0.1 | 18.7 | 41 | 41.8 | 3.53 | 7 | 0.02 | 0.26 | 5 | 1.17 | 388 | 0.5 |
| 1090018 | Soil | <0.5 | <0.1 | 2.75 | 2.4 | <1 | 183 | <0.1 | 0.31 | <0.1 | 23.2 | 42 | 55.1 | 3.56 | 6 | <0.01 | 0.78 | 3 | 2.25 | 540 | 0.5 |
| 1090021 | Soil | 2.8 | <0.1 | 1.86 | 3.9 | 1 | 201 | <0.1 | 0.33 | 0.1 | 12.1 | 32 | 47.9 | 2.79 | 5 | 0.02 | 0.10 | 7 | 1.01 | 263 | 0.5 |
| 1090028 | Soil | 4.0 | <0.1 | 1.38 | 5.2 | <1 | 143 | 0.1 | 0.27 | 0.2 | 8.4 | 22 | 20.4 | 2.34 | 4 | 0.05 | 0.04 | 7 | 0.49 | 170 | 0.5 |
| 1090027 | Soil | 6.5 | <0.1 | 1.37 | 4.5 | 1 | 131 | 0.1 | 0.27 | <0.1 | 7.0 | 23 | 19.5 | 2.15 | 5 | 0.04 | 0.05 | 6 | 0.54 | 141 | 0.5 |
| 1090024 | Soil | 2.7 | 0.1 | 2.07 | 5.4 | 1 | 257 | 0.1 | 0.35 | 0.1 | 12.5 | 29 | 33.0 | 3.02 | 6 | 0.05 | 0.13 | 8 | 0.98 | 288 | 0.7 |
| 1090022 | Soil | 1.4 | <0.1 | 1.90 | 5.4 | <1 | 166 | <0.1 | 0.33 | <0.1 | 11.7 | 31 | 35.5 | 2.75 | 5 | 0.03 | 0.06 | 8 | 0.85 | 244 | 0.5 |
| 1090026 | Soil | 8.2 | <0.1 | 1.46 | 6.4 | 1 | 224 | 0.1 | 0.40 | 0.3 | 11.8 | 29 | 27.5 | 2.70 | 4 | 0.02 | 0.06 | 11 | 0.63 | 353 | 0.5 |
| 1090035 | Soil | 2.8 | 0.1 | 2.04 | 6.4 | 1 | 191 | 0.1 | 0.37 | 0.1 | 12.4 | 31 | 42.8 | 2.98 | 6 | 0.02 | 0.09 | 8 | 0.83 | 393 | 0.6 |
| 1090030 | Soil | 3.3 | <0.1 | 1.50 | 3.5 | 2 | 134 | <0.1 | 0.30 | 0.1 | 11.3 | 23 | 16.8 | 2.27 | 5 | 0.03 | 0.04 | 6 | 0.62 | 418 | 0.6 |
| 1090029 | Soil | 3.5 | <0.1 | 1.43 | 5.8 | <1 | 128 | 0.1 | 0.24 | 0.1 | 10.3 | 25 | 16.4 | 2.51 | 5 | 0.04 | 0.04 | 7 | 0.52 | 425 | 0.6 |
| 1090011 | Soil | 13.0 | 0.1 | 1.99 | 6.0 | <1 | 189 | 0.1 | 0.37 | 0.1 | 12.3 | 30 | 41.2 | 2.94 | 6 | 0.02 | 0.09 | 8 | 0.83 | 393 | 0.5 |
| 1090025 | Soil | 1.3 | 0.1 | 1.64 | 4.6 | <1 | 170 | 0.1 | 0.24 | 0.1 | 8.1 | 24 | 18.8 | 2.31 | 5 | 0.03 | 0.04 | 8 | 0.64 | 162 | 0.4 |
| 1090023 | Soil | 1.9 | <0.1 | 1.71 | 4.9 | <1 | 166 | 0.1 | 0.26 | 0.1 | 9.4 | 29 | 28.0 | 2.38 | 5 | 0.03 | 0.04 | 7 | 0.69 | 189 | 0.6 |
| 1090010 | Soil | 1.9 | 0.1 | 1.69 | 6.5 | <1 | 202 | 0.1 | 0.33 | <0.1 | 8.7 | 27 | 28.8 | 2.53 | 5 | 0.06 | 0.06 | 9 | 0.62 | 159 | 0.5 |
| 1090009 | Soil | 4.6 | 0.2 | 2.05 | 4.8 | 1 | 224 | 0.2 | 0.40 | 0.1 | 13.0 | 30 | 81.0 | 3.00 | 6 | 0.04 | 0.08 | 12 | 0.86 | 235 | 0.5 |
| 1090008 | Soil | <0.5 | <0.1 | 1.51 | 4.8 | 1 | 186 | <0.1 | 0.42 | 0.1 | 10.3 | 28 | 57.6 | 2.55 | 5 | 0.02 | 0.08 | 9 | 0.69 | 282 | 0.5 |
| 1090007 | Soil | 0.9 | 0.1 | 1.49 | 4.9 | <1 | 121 | 0.1 | 0.19 | 0.3 | 11.5 | 21 | 41.4 | 2.95 | 6 | 0.03 | 0.07 | 5 | 0.65 | 326 | 0.8 |
| 1090006 | Soil | 0.9 | <0.1 | 2.46 | 6.9 | 1 | 135 | 0.1 | 0.24 | 0.2 | 14.7 | 32 | 41.0 | 3.73 | 7 | 0.03 | 0.14 | 7 | 0.95 | 450 | 0.9 |
| 1090004 | Soil | 3.1 | 0.2 | 1.89 | 6.6 | <1 | 250 | 0.1 | 0.31 | 0.1 | 13.8 | 29 | 54.5 | 3.51 | 7 | 0.03 | 0.17 | 9 | 1.01 | 465 | 0.8 |
| 1090003 | Soil | <0.5 | <0.1 | 2.44 | 4.4 | <1 | 321 | <0.1 | 0.27 | <0.1 | 22.1 | 53 | 35.1 | 4.66 | 9 | 0.01 | 0.60 | 7 | 1.63 | 693 | 1.8 |
| 1090002 | Soil | 1.9 | 0.2 | 2.04 | 8.3 | <1 | 241 | 0.1 | 0.24 | <0.1 | 11.2 | 32 | 35.3 | 3.31 | 7 | 0.02 | 0.10 | 11 | 0.73 | 364 | 1.1 |
| 1073942 | Soil | 1.0 | 0.2 | 1.48 | 4.4 | <1 | 195 | 0.1 | 0.15 | 0.1 | 7.3 | 23 | 23.6 | 3.01 | 7 | 0.07 | 0.13 | 9 | 0.48 | 644 | 0.9 |

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Project: TSL
Report Date: September 01, 2011



# CERTIFICATE OF ANALYSIS DAW11000166.1

| | 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 |
| 1090012 | Soil | 0.029 | 19.0 | 0.052 | 6.5 | <0.05 | 0.3 | 5.0 | <0.5 | 35 | <0.2 | 2.3 | 0.112 | <0.1 | 0.7 | 73 | 0.1 | 61 |
| 1090013 | Soil | 0.019 | 18.3 | 0.076 | 8.1 | <0.05 | 0.3 | 4.3 | <0.5 | 29 | <0.2 | 2.2 | 0.095 | <0.1 | 0.6 | 66 | 0.2 | 54 |
| 1090016 | Soil | 0.017 | 25.3 | 0.062 | 8.1 | <0.05 | 0.4 | 5.5 | <0.5 | 29 | <0.2 | 2.4 | 0.095 | <0.1 | 1.4 | 68 | 0.1 | 67 |
| 1090019 | Soil | 0.021 | 24.2 | 0.054 | 4.5 | <0.05 | 0.2 | 3.7 | <0.5 | 21 | <0.2 | 1.3 | 0.226 | 0.2 | 0.4 | 118 | <0.1 | 58 |
| 1090017 | Soil | 0.015 | 17.3 | 0.041 | 6.5 | <0.05 | 0.2 | 3.6 | <0.5 | 27 | <0.2 | 1.1 | 0.077 | 0.1 | 0.5 | 67 | <0.1 | 53 |
| 1090020 | Soil | 0.016 | 19.9 | 0.041 | 6.3 | <0.05 | 0.3 | 4.0 | <0.5 | 22 | <0.2 | 2.0 | 0.115 | <0.1 | 0.4 | 82 | <0.1 | 53 |
| 1090014 | Soil | 0.015 | 18.4 | 0.046 | 6.9 | <0.05 | 0.3 | 5.2 | <0.5 | 20 | <0.2 | 2.1 | 0.100 | <0.1 | 0.6 | 80 | 0.2 | 55 |
| 1090015 | Soil | 0.013 | 25.2 | 0.061 | 6.4 | <0.05 | 0.2 | 3.3 | <0.5 | 26 | <0.2 | 1.4 | 0.157 | 0.1 | 0.4 | 95 | <0.1 | 80 |
| 1090018 | Soil | 0.013 | 25.4 | 0.035 | 3.4 | <0.05 | <0.1 | 1.9 | <0.5 | 18 | <0.2 | 0.8 | 0.226 | 0.1 | 0.2 | 107 | <0.1 | 58 |
| 1090021 | Soil | 0.014 | 17.6 | 0.047 | 5.5 | <0.05 | 0.2 | 4.3 | <0.5 | 18 | <0.2 | 1.7 | 0.101 | <0.1 | 0.5 | 75 | <0.1 | 55 |
| 1090028 | Soil | 0.015 | 13.6 | 0.064 | 6.7 | <0.05 | 0.2 | 2.9 | <0.5 | 16 | <0.2 | 1.2 | 0.044 | <0.1 | 0.5 | 57 | 0.2 | 54 |
| 1090027 | Soil | 0.015 | 12.0 | 0.056 | 6.6 | <0.05 | 0.2 | 2.8 | 0.5 | 17 | <0.2 | 1.3 | 0.062 | <0.1 | 0.4 | 58 | 0.1 | 51 |
| 1090024 | Soil | 0.014 | 17.8 | 0.062 | 7.5 | <0.05 | 0.3 | 4.6 | <0.5 | 22 | <0.2 | 1.7 | 0.096 | <0.1 | 0.6 | 77 | 0.1 | 76 |
| 1090022 | Soil | 0.014 | 18.4 | 0.053 | 6.6 | <0.05 | 0.3 | 3.6 | <0.5 | 19 | <0.2 | 2.1 | 0.093 | <0.1 | 0.5 | 68 | 0.1 | 62 |
| 1090026 | Soil | 0.020 | 20.6 | 0.068 | 7.0 | <0.05 | 0.4 | 3.8 | 0.7 | 25 | <0.2 | 2.5 | 0.077 | <0.1 | 0.7 | 65 | 0.2 | 64 |
| 1090035 | Soil | 0.018 | 20.2 | 0.058 | 7.5 | <0.05 | 0.3 | 3.8 | <0.5 | 34 | <0.2 | 2.1 | 0.104 | <0.1 | 0.5 | 77 | 0.1 | 57 |
| 1090030 | Soil | 0.015 | 11.9 | 0.054 | 5.9 | <0.05 | 0.2 | 3.4 | <0.5 | 19 | <0.2 | 0.9 | 0.040 | <0.1 | 0.4 | 65 | 0.1 | 59 |
| 1090029 | Soil | 0.014 | 13.1 | 0.054 | 7.5 | <0.05 | 0.2 | 2.4 | <0.5 | 16 | <0.2 | 1.0 | 0.054 | <0.1 | 0.4 | 67 | 0.2 | 53 |
| 1090011 | Soil | 0.014 | 20.2 | 0.058 | 7.2 | <0.05 | 0.3 | 3.4 | <0.5 | 34 | <0.2 | 2.1 | 0.105 | <0.1 | 0.5 | 77 | <0.1 | 57 |
| 1090025 | Soil | 0.013 | 13.8 | 0.055 | 6.9 | <0.05 | 0.2 | 3.1 | <0.5 | 17 | <0.2 | 1.1 | 0.064 | <0.1 | 0.5 | 56 | 0.1 | 59 |
| 1090023 | Soil | 0.012 | 17.6 | 0.046 | 7.1 | <0.05 | 0.3 | 3.0 | <0.5 | 18 | <0.2 | 1.4 | 0.068 | <0.1 | 0.5 | 59 | 0.1 | 56 |
| 1090010 | Soil | 0.012 | 16.5 | 0.060 | 8.8 | <0.05 | 0.3 | 3.4 | <0.5 | 21 | <0.2 | 1.5 | 0.065 | <0.1 | 0.7 | 62 | 0.1 | 50 |
| 1090009 | Soil | 0.019 | 20.0 | 0.067 | 10.8 | <0.05 | 0.3 | 5.0 | <0.5 | 22 | <0.2 | 2.0 | 0.105 | <0.1 | 0.8 | 77 | 0.1 | 63 |
| 1090008 | Soil | 0.019 | 19.3 | 0.070 | 5.3 | <0.05 | 0.2 | 3.7 | <0.5 | 25 | <0.2 | 2.5 | 0.102 | <0.1 | 0.5 | 69 | 0.1 | 55 |
| 1090007 | Soil | 0.014 | 14.4 | 0.037 | 6.2 | <0.05 | 0.3 | 2.3 | <0.5 | 13 | <0.2 | 1.0 | 0.119 | <0.1 | 0.3 | 83 | <0.1 | 51 |
| 1090006 | Soil | 0.011 | 21.3 | 0.052 | 7.5 | <0.05 | 0.3 | 4.5 | <0.5 | 14 | <0.2 | 2.1 | 0.131 | <0.1 | 0.4 | 96 | 0.1 | 75 |
| 1090004 | Soil | 0.012 | 17.8 | 0.064 | 6.6 | <0.05 | 0.2 | 5.2 | <0.5 | 18 | <0.2 | 2.0 | 0.128 | 0.1 | 0.6 | 99 | 0.1 | 70 |
| 1090003 | Soil | 0.012 | 25.2 | 0.067 | 11.5 | <0.05 | 0.2 | 3.6 | <0.5 | 12 | <0.2 | 2.7 | 0.275 | 0.2 | 0.6 | 140 | <0.1 | 78 |
| 1090002 | Soil | 0.010 | 19.1 | 0.048 | 9.0 | <0.05 | 0.3 | 3.8 | <0.5 | 18 | <0.2 | 2.2 | 0.087 | <0.1 | 0.7 | 72 | 0.2 | 56 |
| 1073942 | Soil | 0.010 | 9.8 | 0.036 | 6.7 | <0.05 | 0.3 | 3.1 | <0.5 | 11 | <0.2 | 1.4 | 0.084 | <0.1 | 0.5 | 69 | <0.1 | 65 |

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Report Date: September 01, 2011



# CERTIFICATE OF ANALYSIS DAW11000166.1

| | 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 |
| 1073944 | Soil | 3.8 | 0.1 | 1.98 | 5.1 | <1 | 161 | 0.1 | 0.40 | <0.1 | 13.6 | 30 | 28.5 | 3.14 | 6 | 0.03 | 0.07 | 6 | 1.01 | 303 | 0.7 |
| 1073936 | Soil | 2.0 | 0.1 | 1.71 | 4.4 | <1 | 130 | 0.1 | 0.25 | 0.2 | 11.2 | 27 | 29.7 | 2.70 | 7 | 0.03 | 0.09 | 5 | 0.85 | 253 | 0.6 |
| 1073935 | Soil | 2.3 | <0.1 | 1.25 | 4.3 | <1 | 94 | 0.1 | 0.18 | <0.1 | 4.9 | 21 | 18.3 | 1.85 | 5 | 0.04 | 0.03 | 5 | 0.42 | 103 | 0.3 |
| 1073937 | Soil | 1.8 | <0.1 | 1.72 | 4.4 | <1 | 140 | <0.1 | 0.26 | 0.1 | 11.8 | 26 | 23.2 | 2.56 | 6 | 0.03 | 0.08 | 6 | 0.90 | 306 | 0.4 |
| 1073939 | Soil | <0.5 | <0.1 | 1.53 | 3.0 | <1 | 111 | <0.1 | 0.23 | 0.1 | 7.8 | 22 | 17.3 | 2.10 | 5 | 0.02 | 0.05 | 5 | 0.74 | 130 | 0.3 |
| 1073938 | Soil | 1.4 | <0.1 | 1.45 | 4.4 | <1 | 115 | <0.1 | 0.21 | <0.1 | 8.6 | 24 | 21.7 | 2.24 | 5 | 0.03 | 0.05 | 5 | 0.64 | 223 | 0.5 |
| 1090005 | Soil | 3.2 | <0.1 | 1.75 | 6.1 | 1 | 223 | 0.1 | 0.33 | <0.1 | 11.0 | 32 | 35.3 | 2.90 | 6 | 0.03 | 0.12 | 9 | 0.87 | 331 | 0.6 |
| 1090001 | Soil | 4.3 | 0.1 | 2.06 | 7.6 | 1 | 247 | 0.1 | 0.32 | <0.1 | 14.1 | 33 | 42.9 | 3.44 | 7 | 0.02 | 0.14 | 9 | 0.93 | 437 | 0.7 |
| 1073946 | Soil | 8.4 | 0.2 | 1.57 | 3.5 | <1 | 289 | <0.1 | 0.60 | 0.2 | 11.7 | 23 | 34.5 | 2.47 | 5 | 0.04 | 0.08 | 8 | 0.83 | 389 | 0.6 |
| 1073945 | Soil | 0.9 | 0.1 | 2.12 | 2.7 | 1 | 248 | <0.1 | 0.84 | 0.2 | 18.3 | 19 | 34.1 | 3.75 | 8 | 0.03 | 0.19 | 6 | 1.71 | 446 | 0.4 |
| 1073943 | Soil | <0.5 | 0.2 | 1.78 | 5.4 | <1 | 97 | <0.1 | 0.20 | 0.2 | 11.5 | 28 | 22.9 | 3.31 | 6 | 0.03 | 0.15 | 4 | 0.95 | 366 | 1.0 |
| 1073941 | Soil | 0.7 | 0.3 | 1.69 | 3.1 | <1 | 281 | <0.1 | 0.42 | 0.2 | 14.8 | 29 | 38.8 | 3.58 | 7 | 0.04 | 0.26 | 7 | 1.02 | 640 | 0.6 |
| 1073940 | Soil | 1.9 | 0.1 | 2.09 | 3.1 | <1 | 218 | <0.1 | 0.25 | <0.1 | 17.4 | 39 | 25.3 | 3.47 | 8 | 0.03 | 0.56 | 3 | 1.48 | 390 | 0.6 |
| 1073924 | Soil | <0.5 | 0.1 | 1.63 | 5.1 | 1 | 176 | 0.2 | 0.47 | 0.1 | 14.0 | 46 | 23.4 | 2.59 | 5 | 0.04 | 0.04 | 9 | 0.72 | 285 | 0.6 |
| 1073923 | Soil | 1.8 | <0.1 | 1.69 | 4.8 | 1 | 197 | 0.1 | 0.38 | 0.2 | 12.2 | 39 | 18.4 | 2.46 | 6 | 0.04 | 0.04 | 10 | 0.76 | 429 | 0.5 |
| 1073925 | Soil | 2.9 | 0.1 | 1.63 | 4.7 | 1 | 200 | 0.1 | 0.28 | 0.1 | 13.1 | 30 | 17.8 | 2.63 | 6 | 0.03 | 0.06 | 8 | 0.69 | 506 | 0.7 |
| 1073926 | Soil | 0.9 | 0.1 | 2.29 | 3.7 | <1 | 323 | 0.1 | 0.52 | 0.2 | 14.5 | 38 | 42.6 | 3.73 | 8 | 0.03 | 0.26 | 8 | 1.29 | 452 | 0.4 |
| 1073927 | Soil | 10.7 | <0.1 | 1.88 | 4.2 | <1 | 226 | <0.1 | 0.44 | <0.1 | 16.4 | 16 | 38.2 | 4.15 | 9 | 0.02 | 0.06 | 5 | 1.03 | 386 | 0.6 |
| 1073929 | Soil | <0.5 | 0.3 | 1.94 | 42.2 | 1 | 271 | 0.2 | 0.28 | 0.1 | 14.4 | 26 | 51.2 | 3.43 | 7 | 0.02 | 0.31 | 7 | 1.09 | 359 | 0.7 |
| 1073930 | Soil | 0.9 | 0.2 | 1.77 | 36.3 | <1 | 178 | 0.2 | 0.33 | <0.1 | 17.4 | 25 | 65.1 | 2.99 | 5 | 0.05 | 0.13 | 7 | 0.77 | 385 | 1.6 |
| 1073928 | Soil | 1.3 | 0.2 | 1.98 | 4.6 | 1 | 281 | 0.1 | 0.31 | 0.1 | 13.7 | 38 | 37.7 | 2.99 | 6 | 0.04 | 0.12 | 8 | 0.92 | 424 | 0.4 |
| 1073931 | Soil | 2.1 | 0.1 | 1.74 | 8.1 | 1 | 174 | 0.1 | 0.29 | 0.1 | 11.3 | 28 | 43.4 | 2.58 | 5 | 0.02 | 0.07 | 9 | 0.66 | 261 | 0.7 |
| 1073932 | Soil | 1.9 | 0.1 | 1.65 | 7.3 | 1 | 135 | 0.1 | 0.29 | <0.1 | 10.8 | 26 | 21.3 | 2.41 | 5 | 0.02 | 0.04 | 7 | 0.68 | 279 | 0.7 |
| 1073950 | Soil | 0.9 | 0.2 | 1.97 | 4.5 | <1 | 178 | 0.1 | 0.20 | 0.2 | 9.3 | 24 | 40.4 | 3.61 | 7 | 0.05 | 0.05 | 9 | 0.82 | 369 | 1.3 |
| 1073933 | Soil | 1.4 | <0.1 | 1.58 | 6.7 | 1 | 127 | 0.1 | 0.28 | 0.1 | 8.8 | 24 | 19.3 | 2.43 | 5 | 0.03 | 0.04 | 7 | 0.62 | 174 | 0.5 |
| 1073947 | Soil | 1.8 | <0.1 | 1.50 | 4.4 | <1 | 162 | <0.1 | 0.43 | <0.1 | 16.8 | 21 | 24.6 | 3.10 | 5 | 0.01 | 0.09 | 4 | 1.00 | 882 | 0.6 |
| 1073948 | Soil | <0.5 | <0.1 | 1.54 | 4.4 | 1 | 162 | <0.1 | 0.42 | <0.1 | 17.2 | 22 | 25.3 | 3.10 | 6 | 0.01 | 0.09 | 5 | 0.96 | 846 | 0.7 |
| 1073934 | Soil | 0.9 | 0.1 | 1.42 | 7.9 | 1 | 116 | 0.1 | 0.21 | 0.1 | 7.0 | 23 | 21.8 | 2.56 | 5 | 0.04 | 0.04 | 7 | 0.46 | 209 | 0.7 |
| 1167795 | Soil | 2.8 | <0.1 | 1.54 | 6.6 | 1 | 183 | 0.1 | 0.37 | 0.2 | 11.6 | 26 | 23.7 | 2.97 | 5 | 0.03 | 0.06 | 10 | 0.60 | 325 | 0.9 |
| 1073949 | Soil | 2.9 | <0.1 | 1.54 | 5.0 | 2 | 217 | 0.1 | 0.65 | 0.3 | 13.4 | 24 | 19.8 | 3.26 | 6 | 0.03 | 0.06 | 9 | 0.95 | 567 | 0.6 |

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Project: TSL
Report Date: September 01, 2011



# CERTIFICATE OF ANALYSIS DAW11000166.1

| | 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 |
| 1073944 | Soil | 0.014 | 17.3 | 0.028 | 7.7 | <0.05 | 0.2 | 3.1 | <0.5 | 23 | <0.2 | 1.4 | 0.115 | <0.1 | 0.4 | 87 | 0.1 | 60 |
| 1073936 | Soil | 0.012 | 13.4 | 0.067 | 6.7 | <0.05 | 0.1 | 2.9 | <0.5 | 15 | <0.2 | 1.0 | 0.096 | <0.1 | 0.4 | 75 | 0.1 | 66 |
| 1073935 | Soil | 0.010 | 9.6 | 0.044 | 8.4 | <0.05 | 0.1 | 2.0 | <0.5 | 14 | <0.2 | 0.6 | 0.058 | <0.1 | 0.4 | 43 | 0.1 | 43 |
| 1073937 | Soil | 0.011 | 13.8 | 0.049 | 5.6 | <0.05 | 0.1 | 2.8 | <0.5 | 17 | <0.2 | 1.0 | 0.091 | <0.1 | 0.5 | 71 | <0.1 | 57 |
| 1073939 | Soil | 0.012 | 11.6 | 0.044 | 5.0 | <0.05 | <0.1 | 2.4 | <0.5 | 16 | <0.2 | 0.8 | 0.081 | <0.1 | 0.4 | 58 | <0.1 | 47 |
| 1073938 | Soil | 0.011 | 12.2 | 0.041 | 6.2 | <0.05 | 0.2 | 2.1 | <0.5 | 16 | <0.2 | 0.6 | 0.076 | <0.1 | 0.4 | 65 | <0.1 | 51 |
| 1090005 | Soil | 0.012 | 20.5 | 0.070 | 6.9 | <0.05 | 0.3 | 3.6 | <0.5 | 19 | <0.2 | 2.3 | 0.098 | <0.1 | 0.6 | 70 | 0.1 | 63 |
| 1090001 | Soil | 0.011 | 21.9 | 0.054 | 7.5 | <0.05 | 0.3 | 4.3 | <0.5 | 20 | <0.2 | 2.3 | 0.110 | <0.1 | 0.6 | 85 | 0.1 | 62 |
| 1073946 | Soil | 0.014 | 13.8 | 0.058 | 6.4 | <0.05 | 0.2 | 4.2 | <0.5 | 29 | <0.2 | 1.1 | 0.065 | <0.1 | 0.6 | 63 | 0.1 | 67 |
| 1073945 | Soil | 0.013 | 13.4 | 0.070 | 5.6 | <0.05 | <0.1 | 5.3 | <0.5 | 32 | <0.2 | 1.1 | 0.117 | <0.1 | 0.5 | 120 | <0.1 | 105 |
| 1073943 | Soil | 0.013 | 15.6 | 0.034 | 8.4 | <0.05 | 0.2 | 2.9 | <0.5 | 13 | <0.2 | 0.9 | 0.117 | <0.1 | 0.3 | 92 | 0.1 | 54 |
| 1073941 | Soil | 0.013 | 15.7 | 0.071 | 4.5 | <0.05 | 0.1 | 5.2 | <0.5 | 19 | <0.2 | 1.1 | 0.112 | 0.1 | 0.5 | 91 | <0.1 | 72 |
| 1073940 | Soil | 0.015 | 18.7 | 0.047 | 4.2 | <0.05 | 0.1 | 2.3 | <0.5 | 13 | <0.2 | 0.7 | 0.220 | 0.3 | 0.2 | 125 | <0.1 | 65 |
| 1073924 | Soil | 0.014 | 24.3 | 0.054 | 15.3 | <0.05 | 0.3 | 4.1 | <0.5 | 22 | <0.2 | 2.4 | 0.056 | <0.1 | 0.6 | 64 | 0.1 | 58 |
| 1073923 | Soil | 0.013 | 22.1 | 0.071 | 9.0 | <0.05 | 0.3 | 3.7 | <0.5 | 21 | <0.2 | 2.4 | 0.054 | <0.1 | 0.6 | 58 | 0.2 | 61 |
| 1073925 | Soil | 0.013 | 15.6 | 0.053 | 12.0 | <0.05 | 0.2 | 3.8 | <0.5 | 18 | <0.2 | 1.4 | 0.056 | <0.1 | 0.4 | 66 | <0.1 | 69 |
| 1073926 | Soil | 0.015 | 18.0 | 0.067 | 7.1 | <0.05 | 0.2 | 6.6 | 0.6 | 25 | <0.2 | 2.0 | 0.105 | <0.1 | 0.7 | 104 | <0.1 | 79 |
| 1073927 | Soil | 0.033 | 10.7 | 0.082 | 7.1 | <0.05 | 0.1 | 5.2 | <0.5 | 14 | <0.2 | 1.0 | 0.110 | <0.1 | 0.4 | 144 | <0.1 | 69 |
| 1073929 | Soil | 0.018 | 14.5 | 0.052 | 23.9 | 0.07 | 0.2 | 3.9 | <0.5 | 23 | <0.2 | 1.6 | 0.137 | 0.2 | 0.4 | 101 | <0.1 | 88 |
| 1073930 | Soil | 0.015 | 15.7 | 0.053 | 12.5 | <0.05 | 0.2 | 3.6 | 0.5 | 27 | <0.2 | 1.5 | 0.105 | <0.1 | 0.5 | 74 | <0.1 | 60 |
| 1073928 | Soil | 0.013 | 21.2 | 0.052 | 21.9 | <0.05 | 0.2 | 4.4 | <0.5 | 21 | <0.2 | 1.6 | 0.105 | <0.1 | 0.7 | 79 | 0.1 | 61 |
| 1073931 | Soil | 0.014 | 18.2 | 0.055 | 11.1 | <0.05 | 0.2 | 3.7 | <0.5 | 20 | <0.2 | 1.9 | 0.089 | <0.1 | 0.5 | 65 | 0.1 | 58 |
| 1073932 | Soil | 0.016 | 16.4 | 0.042 | 10.5 | <0.05 | 0.3 | 3.0 | <0.5 | 20 | <0.2 | 1.7 | 0.086 | <0.1 | 0.3 | 67 | 0.2 | 61 |
| 1073950 | Soil | 0.013 | 12.1 | 0.052 | 10.2 | 0.05 | 0.2 | 3.8 | 1.7 | 22 | 0.2 | 1.5 | 0.050 | <0.1 | 0.7 | 77 | <0.1 | 102 |
| 1073933 | Soil | 0.015 | 14.1 | 0.053 | 12.5 | <0.05 | 0.2 | 3.0 | <0.5 | 20 | <0.2 | 1.3 | 0.070 | <0.1 | 0.4 | 59 | 0.1 | 59 |
| 1073947 | Soil | 0.020 | 10.6 | 0.063 | 7.3 | <0.05 | 0.2 | 4.1 | <0.5 | 27 | <0.2 | 1.4 | 0.084 | <0.1 | 0.3 | 81 | <0.1 | 59 |
| 1073948 | Soil | 0.020 | 11.5 | 0.057 | 8.2 | <0.05 | 0.2 | 4.2 | <0.5 | 28 | <0.2 | 1.4 | 0.083 | <0.1 | 0.4 | 82 | <0.1 | 63 |
| 1073934 | Soil | 0.011 | 12.6 | 0.065 | 9.6 | <0.05 | 0.2 | 2.5 | <0.5 | 16 | <0.2 | 0.6 | 0.051 | <0.1 | 0.5 | 67 | 0.1 | 50 |
| 1167795 | Soil | 0.020 | 18.3 | 0.066 | 7.5 | <0.05 | 0.4 | 3.8 | 0.8 | 27 | <0.2 | 2.4 | 0.067 | <0.1 | 0.6 | 62 | 0.1 | 68 |
| 1073949 | Soil | 0.017 | 15.2 | 0.069 | 12.0 | <0.05 | 0.2 | 5.6 | <0.5 | 29 | <0.2 | 2.0 | 0.057 | <0.1 | 0.6 | 76 | 0.2 | 87 |

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Project: TSL
Report Date: September 01, 2011



# CERTIFICATE OF ANALYSIS DAW11000166.1

| | 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 |
| 1089279 | Soil | 5.2 | 0.1 | 1.85 | 4.7 | 2 | 206 | 0.1 | 0.38 | 0.1 | 11.5 | 29 | 50.9 | 2.66 | 6 | 0.03 | 0.08 | 10 | 0.80 | 247 | 0.7 |
| 1089281 | Soil | 1.1 | 0.1 | 2.18 | 6.8 | 1 | 165 | 0.1 | 0.30 | <0.1 | 11.2 | 30 | 37.1 | 2.81 | 6 | 0.03 | 0.06 | 9 | 0.75 | 315 | 0.6 |
| 1089285 | Soil | 0.6 | <0.1 | 2.75 | 3.4 | <1 | 405 | <0.1 | 0.36 | 0.1 | 17.5 | 40 | 60.0 | 4.25 | 10 | 0.01 | 0.56 | 7 | 1.92 | 471 | 0.4 |
| 1089286 | Soil | 1.7 | <0.1 | 2.21 | 6.8 | 1 | 237 | 0.1 | 0.30 | <0.1 | 13.0 | 34 | 27.3 | 2.99 | 6 | 0.02 | 0.06 | 10 | 0.82 | 363 | 0.6 |
| 1089275 | Soil | 3.4 | 0.1 | 1.97 | 7.9 | 1 | 209 | 0.1 | 0.33 | 0.1 | 14.0 | 31 | 45.3 | 3.29 | 7 | 0.04 | 0.08 | 10 | 0.83 | 444 | 1.1 |
| 1089274 | Soil | 13.0 | 0.4 | 2.14 | 5.8 | 1 | 263 | 0.1 | 0.36 | <0.1 | 14.8 | 31 | 58.6 | 3.53 | 7 | 0.04 | 0.21 | 15 | 1.10 | 477 | 0.9 |
| 1089277 | Soil | 1.6 | 0.2 | 1.95 | 6.1 | 2 | 220 | 0.1 | 0.33 | 0.1 | 11.0 | 31 | 37.0 | 2.85 | 6 | 0.04 | 0.13 | 10 | 0.80 | 355 | 0.7 |
| 1089273 | Soil | 5.8 | 0.2 | 1.97 | 7.8 | 1 | 348 | 0.2 | 0.24 | <0.1 | 10.6 | 31 | 54.3 | 3.15 | 7 | 0.03 | 0.10 | 18 | 0.66 | 325 | 1.2 |
| 1089276 | Soil | 2.4 | 0.2 | 1.95 | 6.3 | 1 | 220 | 0.1 | 0.32 | 0.2 | 11.1 | 31 | 36.8 | 2.87 | 6 | 0.05 | 0.13 | 10 | 0.83 | 353 | 0.8 |
| 1089278 | Soil | 1.4 | 0.2 | 1.83 | 6.0 | 1 | 178 | 0.1 | 0.32 | <0.1 | 12.8 | 26 | 75.5 | 3.07 | 6 | 0.02 | 0.13 | 9 | 0.83 | 371 | 0.9 |
| 1089283 | Soil | 2.8 | <0.1 | 1.83 | 7.1 | 1 | 90 | 0.1 | 0.25 | 0.1 | 8.9 | 26 | 27.1 | 3.25 | 7 | 0.02 | 0.04 | 6 | 0.55 | 307 | 0.9 |
| 1089284 | Soil | 2.1 | <0.1 | 1.77 | 4.6 | 1 | 198 | 0.1 | 0.41 | <0.1 | 9.9 | 31 | 33.1 | 2.36 | 5 | 0.03 | 0.04 | 12 | 0.67 | 207 | 0.4 |
| 1089282 | Soil | 1.5 | <0.1 | 2.42 | 7.9 | 1 | 204 | 0.1 | 0.25 | 0.1 | 11.1 | 33 | 41.1 | 3.14 | 7 | 0.04 | 0.08 | 9 | 0.71 | 311 | 0.9 |
| 1089294 | Soil | 1.1 | <0.1 | 1.59 | 4.0 | 1 | 119 | <0.1 | 0.32 | <0.1 | 10.6 | 25 | 27.2 | 2.38 | 5 | 0.03 | 0.08 | 5 | 0.83 | 226 | 0.5 |
| 1089271 | Soil | 8.9 | <0.1 | 1.88 | 5.3 | 2 | 269 | <0.1 | 0.40 | <0.1 | 11.0 | 33 | 33.3 | 2.99 | 6 | 0.01 | 0.17 | 10 | 0.93 | 311 | 0.5 |
| 1089298 | Soil | 0.6 | <0.1 | 2.37 | 3.5 | <1 | 138 | <0.1 | 0.52 | <0.1 | 26.0 | 15 | 66.7 | 5.05 | 9 | <0.01 | 0.05 | 4 | 1.34 | 847 | 0.3 |
| 1089299 | Soil | <0.5 | <0.1 | 1.52 | 5.4 | 1 | 139 | 0.1 | 0.52 | 0.2 | 18.8 | 20 | 35.8 | 3.44 | 6 | 0.02 | 0.06 | 7 | 0.69 | 667 | 0.7 |
| 1089300 | Soil | 1.5 | <0.1 | 1.59 | 5.1 | 2 | 187 | 0.1 | 0.45 | 0.1 | 12.8 | 28 | 23.2 | 2.45 | 5 | 0.03 | 0.04 | 9 | 0.58 | 412 | 0.7 |
| 1089272 | Soil | 3.1 | <0.1 | 2.04 | 6.8 | 3 | 308 | 0.1 | 0.27 | <0.1 | 14.9 | 46 | 60.0 | 3.62 | 7 | 0.01 | 0.20 | 11 | 1.11 | 451 | 0.7 |
| 1167554 | Soil | <0.5 | <0.1 | 1.43 | 4.0 | 2 | 134 | <0.1 | 0.37 | 0.1 | 14.3 | 32 | 19.3 | 2.96 | 5 | 0.03 | 0.04 | 7 | 0.80 | 640 | 0.7 |
| 1089280 | Soil | 5.7 | 0.1 | 1.78 | 5.8 | 2 | 221 | 0.1 | 0.36 | 0.1 | 10.9 | 29 | 39.1 | 2.65 | 6 | 0.03 | 0.06 | 11 | 0.74 | 179 | 0.6 |
| 1089291 | Soil | 2.7 | <0.1 | 2.10 | 3.0 | 2 | 149 | <0.1 | 0.20 | <0.1 | 14.4 | 37 | 43.7 | 3.28 | 7 | 0.01 | 0.15 | 5 | 1.22 | 323 | 0.6 |
| 1089290 | Soil | 1.6 | <0.1 | 2.13 | 3.9 | 1 | 187 | <0.1 | 0.31 | 0.1 | 12.8 | 38 | 37.8 | 3.16 | 7 | <0.01 | 0.33 | 7 | 1.29 | 338 | 0.5 |
| 1089292 | Soil | 3.3 | 0.1 | 2.04 | 3.8 | 2 | 179 | <0.1 | 0.35 | 0.1 | 13.8 | 35 | 39.5 | 2.92 | 6 | 0.01 | 0.10 | 7 | 1.06 | 303 | 0.7 |
| 1089289 | Soil | 1.5 | <0.1 | 2.37 | 3.6 | 2 | 163 | <0.1 | 0.41 | 0.1 | 17.6 | 52 | 43.1 | 3.16 | 6 | 0.02 | 0.54 | 5 | 1.75 | 388 | 0.8 |
| 1089293 | Soil | 3.3 | 0.1 | 1.89 | 4.8 | 1 | 162 | <0.1 | 0.37 | <0.1 | 13.1 | 33 | 40.4 | 2.79 | 5 | 0.03 | 0.08 | 8 | 0.94 | 247 | 0.5 |
| 1089297 | Soil | 12.0 | <0.1 | 1.18 | 2.5 | 1 | 104 | <0.1 | 0.21 | <0.1 | 4.4 | 18 | 17.2 | 1.79 | 4 | 0.04 | 0.05 | 5 | 0.48 | 102 | 0.6 |
| 1089288 | Soil | 10.2 | 0.2 | 1.87 | 3.5 | 2 | 218 | <0.1 | 0.43 | 0.1 | 8.6 | 29 | 36.9 | 2.55 | 6 | 0.04 | 0.06 | 8 | 0.67 | 178 | 0.6 |
| 1089295 | Soil | 2.7 | <0.1 | 1.76 | 4.4 | 2 | 164 | 0.1 | 0.28 | 0.1 | 10.4 | 27 | 26.1 | 2.54 | 5 | 0.02 | 0.06 | 8 | 0.78 | 242 | 0.6 |
| 1090053 | Soil | 1.6 | <0.1 | 2.30 | 5.7 | 1 | 490 | 0.1 | 0.30 | <0.1 | 16.4 | 46 | 56.9 | 3.78 | 7 | <0.01 | 0.32 | 9 | 1.23 | 435 | 0.8 |

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Report Date: September 01, 2011



# CERTIFICATE OF ANALYSIS DAW11000166.1

| | | 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 |
| 1089279 | Soil | | 0.016 | 18.9 | 0.070 | 6.8 | <0.05 | 0.3 | 4.4 | <0.5 | 21 | <0.2 | 2.1 | 0.096 | <0.1 | 0.7 | 67 | 0.2 | 63 |
| 1089281 | Soil | | 0.012 | 19.8 | 0.054 | 7.2 | <0.05 | 0.3 | 3.6 | <0.5 | 20 | <0.2 | 2.3 | 0.088 | <0.1 | 0.5 | 68 | 0.1 | 55 |
| 1089285 | Soil | | 0.017 | 16.6 | 0.054 | 4.4 | <0.05 | 0.1 | 6.6 | <0.5 | 18 | <0.2 | 1.7 | 0.212 | 0.2 | 0.4 | 138 | <0.1 | 72 |
| 1089286 | Soil | | 0.016 | 21.6 | 0.031 | 6.4 | <0.05 | 0.3 | 4.5 | <0.5 | 21 | <0.2 | 2.6 | 0.111 | <0.1 | 0.6 | 77 | <0.1 | 54 |
| 1089275 | Soil | | 0.013 | 19.2 | 0.051 | 9.4 | <0.05 | 0.3 | 4.6 | <0.5 | 19 | <0.2 | 2.1 | 0.090 | <0.1 | 0.6 | 85 | 0.1 | 70 |
| 1089274 | Soil | | 0.014 | 19.6 | 0.055 | 7.4 | <0.05 | 0.2 | 6.0 | <0.5 | 21 | <0.2 | 2.2 | 0.139 | 0.2 | 0.8 | 96 | <0.1 | 75 |
| 1089277 | Soil | | 0.014 | 18.8 | 0.067 | 7.5 | <0.05 | 0.3 | 4.2 | <0.5 | 19 | <0.2 | 2.0 | 0.101 | 0.1 | 0.7 | 70 | 0.1 | 65 |
| 1089273 | Soil | | 0.011 | 19.5 | 0.060 | 7.8 | <0.05 | 0.3 | 4.5 | <0.5 | 18 | <0.2 | 2.6 | 0.092 | 0.2 | 1.0 | 77 | 0.1 | 56 |
| 1089276 | Soil | | 0.012 | 19.2 | 0.066 | 7.5 | <0.05 | 0.2 | 4.3 | <0.5 | 18 | <0.2 | 2.1 | 0.099 | 0.1 | 0.7 | 70 | 0.1 | 67 |
| 1089278 | Soil | | 0.015 | 17.9 | 0.059 | 8.3 | <0.05 | 0.2 | 4.0 | <0.5 | 18 | <0.2 | 1.9 | 0.109 | <0.1 | 0.5 | 82 | 0.1 | 64 |
| 1089283 | Soil | | 0.015 | 16.9 | 0.044 | 8.2 | <0.05 | 0.4 | 3.0 | <0.5 | 23 | <0.2 | 1.0 | 0.098 | <0.1 | 0.3 | 91 | 0.1 | 59 |
| 1089284 | Soil | | 0.019 | 20.1 | 0.064 | 6.7 | <0.05 | 0.3 | 4.8 | <0.5 | 27 | <0.2 | 2.7 | 0.084 | <0.1 | 0.6 | 66 | 0.2 | 56 |
| 1089282 | Soil | | 0.013 | 18.6 | 0.048 | 7.5 | <0.05 | 0.3 | 3.8 | <0.5 | 23 | <0.2 | 2.1 | 0.094 | <0.1 | 0.5 | 79 | 0.1 | 60 |
| 1089294 | Soil | | 0.016 | 14.5 | 0.062 | 5.3 | <0.05 | 0.2 | 3.3 | <0.5 | 17 | <0.2 | 1.1 | 0.066 | <0.1 | 0.4 | 61 | <0.1 | 55 |
| 1089271 | Soil | | 0.014 | 21.2 | 0.078 | 4.8 | <0.05 | 0.3 | 4.4 | <0.5 | 22 | <0.2 | 2.7 | 0.111 | <0.1 | 0.6 | 62 | 0.1 | 62 |
| 1089298 | Soil | | 0.055 | 11.6 | 0.045 | 4.3 | <0.05 | 0.2 | 8.2 | <0.5 | 19 | <0.2 | 1.2 | 0.109 | <0.1 | 0.3 | 146 | <0.1 | 75 |
| 1089299 | Soil | | 0.024 | 12.1 | 0.054 | 6.3 | <0.05 | 0.2 | 5.3 | <0.5 | 24 | <0.2 | 1.2 | 0.064 | <0.1 | 0.4 | 89 | <0.1 | 64 |
| 1089300 | Soil | | 0.015 | 16.7 | 0.050 | 7.6 | <0.05 | 0.3 | 4.1 | <0.5 | 25 | <0.2 | 1.2 | 0.048 | <0.1 | 0.6 | 63 | 0.2 | 57 |
| 1089272 | Soil | | 0.014 | 26.5 | 0.041 | 5.9 | <0.05 | 0.4 | 5.3 | <0.5 | 16 | <0.2 | 3.4 | 0.104 | <0.1 | 0.6 | 95 | <0.1 | 64 |
| 1167554 | Soil | | 0.015 | 15.5 | 0.063 | 6.0 | <0.05 | 0.3 | 4.4 | <0.5 | 22 | <0.2 | 1.5 | 0.055 | <0.1 | 0.4 | 72 | 0.2 | 55 |
| 1089280 | Soil | | 0.017 | 18.4 | 0.059 | 7.8 | <0.05 | 0.3 | 4.5 | <0.5 | 22 | <0.2 | 2.7 | 0.089 | <0.1 | 0.7 | 68 | 0.1 | 57 |
| 1089291 | Soil | | 0.015 | 19.0 | 0.028 | 4.5 | <0.05 | 0.1 | 4.2 | <0.5 | 13 | <0.2 | 1.2 | 0.108 | <0.1 | 0.3 | 94 | <0.1 | 56 |
| 1089290 | Soil | | 0.014 | 18.2 | 0.047 | 6.5 | <0.05 | 0.2 | 3.8 | <0.5 | 19 | <0.2 | 1.6 | 0.144 | <0.1 | 0.4 | 91 | 0.1 | 62 |
| 1089292 | Soil | | 0.016 | 18.9 | 0.052 | 5.6 | <0.05 | 0.3 | 4.6 | <0.5 | 21 | <0.2 | 1.6 | 0.103 | <0.1 | 0.5 | 80 | <0.1 | 60 |
| 1089289 | Soil | | 0.014 | 25.0 | 0.045 | 5.7 | <0.05 | 0.1 | 2.8 | <0.5 | 20 | <0.2 | 1.3 | 0.173 | 0.1 | 0.3 | 92 | <0.1 | 55 |
| 1089293 | Soil | | 0.018 | 19.3 | 0.057 | 6.1 | <0.05 | 0.3 | 4.2 | <0.5 | 20 | <0.2 | 1.9 | 0.093 | <0.1 | 0.5 | 71 | 0.1 | 63 |
| 1089297 | Soil | | 0.014 | 8.5 | 0.047 | 6.4 | 0.07 | 0.2 | 2.3 | <0.5 | 16 | <0.2 | 0.5 | 0.050 | <0.1 | 0.4 | 37 | <0.1 | 40 |
| 1089288 | Soil | | 0.013 | 16.3 | 0.058 | 6.2 | <0.05 | 0.2 | 3.8 | <0.5 | 24 | <0.2 | 0.9 | 0.063 | 0.1 | 0.6 | 65 | <0.1 | 49 |
| 1089295 | Soil | | 0.014 | 15.7 | 0.050 | 6.1 | <0.05 | 0.2 | 3.4 | <0.5 | 18 | <0.2 | 1.4 | 0.076 | <0.1 | 0.5 | 66 | 0.1 | 62 |
| 1090053 | Soil | | 0.017 | 24.3 | 0.048 | 7.8 | <0.05 | 0.3 | 4.6 | <0.5 | 66 | <0.2 | 2.3 | 0.153 | 0.1 | 0.5 | 111 | <0.1 | 62 |

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Project: TSL
Report Date: September 01, 2011



# CERTIFICATE OF ANALYSIS DAW11000166.1

| | 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 |
| 1089296 | Soil | 12.2 | <0.1 | 1.70 | 3.5 | 1 | 160 | 0.1 | 0.24 | 0.1 | 7.0 | 24 | 20.5 | 2.52 | 6 | 0.04 | 0.08 | 7 | 0.72 | 156 | 0.8 |
| 1089287 | Soil | 7.3 | <0.1 | 1.84 | 4.9 | 1 | 288 | 0.1 | 0.59 | 0.1 | 10.8 | 32 | 31.8 | 2.59 | 6 | 0.03 | 0.05 | 9 | 0.83 | 367 | 0.6 |
| 1090065 | Soil | 1.6 | 0.1 | 2.00 | 3.5 | 1 | 274 | <0.1 | 0.40 | 0.1 | 12.8 | 29 | 35.4 | 2.88 | 7 | 0.03 | 0.14 | 6 | 0.85 | 342 | 0.7 |
| 1090064 | Soil | 1.3 | 0.1 | 1.93 | 4.8 | 2 | 233 | <0.1 | 0.35 | 0.1 | 11.1 | 29 | 23.1 | 2.56 | 6 | 0.02 | 0.07 | 9 | 0.67 | 317 | 0.6 |
| 1090063 | Soil | 3.8 | 0.1 | 1.76 | 4.7 | 1 | 176 | 0.1 | 0.27 | 0.1 | 8.0 | 28 | 22.1 | 2.32 | 5 | 0.03 | 0.04 | 9 | 0.59 | 171 | 0.5 |
| 1090067 | Soil | 1.3 | <0.1 | 2.32 | 2.3 | <1 | 299 | <0.1 | 0.60 | <0.1 | 17.3 | 25 | 109.8 | 3.92 | 6 | <0.01 | 0.11 | 4 | 0.97 | 270 | 0.8 |
| 1090069 | Soil | 1.6 | <0.1 | 2.12 | 4.7 | 1 | 101 | <0.1 | 0.29 | <0.1 | 12.7 | 38 | 34.2 | 3.04 | 6 | 0.01 | 0.21 | 5 | 1.26 | 282 | 0.6 |
| 1090081 | Soil | 1.0 | <0.1 | 1.37 | 4.7 | 2 | 133 | 0.1 | 0.32 | 0.1 | 8.2 | 24 | 12.7 | 2.02 | 5 | 0.03 | 0.04 | 8 | 0.47 | 252 | 0.6 |
| 1090051 | Soil | 4.4 | 0.1 | 1.56 | 6.9 | 2 | 136 | 0.1 | 0.29 | 0.1 | 11.2 | 31 | 31.0 | 3.08 | 6 | 0.02 | 0.07 | 9 | 0.65 | 438 | 1.5 |
| 1090071 | Soil | 3.2 | 0.1 | 3.00 | 2.5 | <1 | 293 | <0.1 | 0.22 | <0.1 | 16.2 | 63 | 55.2 | 4.60 | 8 | 0.01 | 1.06 | 5 | 2.08 | 470 | 1.0 |
| 1090070 | Soil | 1.9 | 0.1 | 3.35 | 2.2 | <1 | 332 | <0.1 | 0.21 | <0.1 | 17.3 | 68 | 62.9 | 4.99 | 9 | 0.01 | 1.26 | 5 | 2.37 | 503 | 1.0 |
| 1090072 | Soil | 3.1 | <0.1 | 1.94 | 6.8 | 1 | 102 | 0.1 | 0.19 | 0.1 | 15.6 | 30 | 17.1 | 3.51 | 7 | <0.01 | 0.44 | 5 | 1.31 | 521 | 0.8 |
| 1090073 | Soil | 2.5 | <0.1 | 2.40 | 6.3 | 2 | 240 | 0.1 | 0.29 | <0.1 | 14.9 | 40 | 43.7 | 3.27 | 6 | 0.01 | 0.08 | 9 | 1.05 | 319 | 0.6 |
| 1090066 | Soil | 2.1 | <0.1 | 2.51 | 2.3 | <1 | 307 | <0.1 | 0.65 | 0.1 | 18.2 | 24 | 115.9 | 4.18 | 7 | <0.01 | 0.13 | 4 | 1.08 | 308 | 1.1 |
| 1090080 | Soil | 1.8 | <0.1 | 1.64 | 8.0 | 2 | 234 | 0.1 | 0.39 | 0.2 | 11.2 | 30 | 24.5 | 2.92 | 5 | 0.03 | 0.05 | 11 | 0.64 | 335 | 0.7 |
| 1090078 | Soil | 3.6 | <0.1 | 1.67 | 4.9 | 1 | 286 | <0.1 | 0.39 | 0.2 | 12.6 | 20 | 24.7 | 3.05 | 5 | 0.03 | 0.06 | 9 | 0.64 | 308 | 0.6 |
| 1090082 | Soil | 1.5 | <0.1 | 1.63 | 7.0 | 1 | 211 | <0.1 | 0.41 | 0.1 | 15.2 | 30 | 24.2 | 3.41 | 5 | 0.02 | 0.09 | 9 | 0.87 | 833 | 0.8 |
| 1090079 | Soil | 2.1 | <0.1 | 1.67 | 4.3 | 2 | 294 | <0.1 | 0.33 | 0.3 | 11.6 | 26 | 24.7 | 2.57 | 5 | 0.04 | 0.06 | 11 | 0.60 | 320 | 0.6 |
| 1090077 | Soil | 1.4 | 0.1 | 2.07 | 5.0 | 1 | 278 | 0.1 | 0.22 | 0.2 | 7.7 | 27 | 42.0 | 3.14 | 6 | 0.04 | 0.15 | 9 | 0.77 | 162 | 1.0 |
| 1090076 | Soil | 1.0 | <0.1 | 2.04 | 5.6 | 1 | 162 | 0.1 | 0.29 | 0.1 | 13.0 | 30 | 26.3 | 3.05 | 7 | 0.01 | 0.12 | 8 | 0.94 | 327 | 0.7 |
| 1090075 | Soil | 2.3 | <0.1 | 1.82 | 5.8 | <1 | 242 | 0.1 | 0.40 | 0.1 | 10.6 | 33 | 36.6 | 2.61 | 5 | 0.03 | 0.05 | 12 | 0.74 | 221 | 0.6 |
| 1090056 | Soil | 3.1 | 0.1 | 1.65 | 5.0 | 1 | 294 | 0.1 | 0.28 | 0.1 | 9.0 | 26 | 35.7 | 3.24 | 7 | 0.04 | 0.26 | 9 | 0.82 | 316 | 1.1 |
| 1090068 | Soil | 1.4 | 0.2 | 1.41 | 4.7 | 1 | 179 | 0.1 | 0.37 | 0.1 | 8.2 | 21 | 33.9 | 2.11 | 5 | 0.03 | 0.07 | 6 | 0.53 | 166 | 0.7 |
| 1090061 | Soil | 4.7 | 0.1 | 1.93 | 4.9 | <1 | 207 | 0.1 | 0.32 | 0.1 | 13.3 | 29 | 28.5 | 2.83 | 6 | 0.03 | 0.12 | 8 | 0.85 | 433 | 0.9 |
| 1090057 | Soil | 1.7 | 0.2 | 1.46 | 4.8 | 2 | 121 | 0.3 | 0.20 | 0.1 | 7.2 | 24 | 51.5 | 2.74 | 7 | 0.04 | 0.07 | 7 | 0.41 | 163 | 1.5 |
| 1090054 | Soil | 1.9 | 0.1 | 1.89 | 9.4 | 2 | 163 | 0.2 | 0.25 | 0.2 | 9.8 | 34 | 25.3 | 3.38 | 7 | 0.05 | 0.06 | 11 | 0.50 | 334 | 1.4 |
| 1090055 | Soil | 3.2 | <0.1 | 1.98 | 5.3 | 2 | 152 | <0.1 | 0.41 | 0.1 | 14.5 | 52 | 58.0 | 3.26 | 6 | 0.01 | 0.17 | 11 | 1.04 | 453 | 0.5 |
| 1090052 | Soil | <0.5 | <0.1 | 2.44 | 2.7 | 2 | 108 | <0.1 | 0.52 | <0.1 | 23.4 | 9 | 57.5 | 5.23 | 9 | <0.01 | 0.28 | 6 | 1.46 | 337 | 0.6 |
| 1090059 | Soil | 2.0 | 0.3 | 1.99 | 4.2 | 2 | 201 | 0.3 | 0.49 | 0.1 | 14.3 | 36 | 93.0 | 3.02 | 6 | 0.03 | 0.10 | 12 | 0.89 | 306 | 0.6 |
| 1090058 | Soil | <0.5 | <0.1 | 1.76 | 4.3 | 1 | 183 | 0.2 | 0.50 | 0.1 | 13.5 | 33 | 38.1 | 2.93 | 6 | 0.02 | 0.12 | 11 | 0.87 | 383 | 0.7 |

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Project: TSL
Report Date: September 01, 2011



# CERTIFICATE OF ANALYSIS DAW11000166.1

| | 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 |
| 1089296 | Soil | 0.014 | 12.9 | 0.049 | 8.2 | <0.05 | 0.2 | 3.6 | <0.5 | 18 | <0.2 | 1.0 | 0.073 | <0.1 | 0.4 | 66 | 0.1 | 64 |
| 1089287 | Soil | 0.016 | 21.5 | 0.061 | 8.7 | <0.05 | 0.2 | 3.9 | <0.5 | 29 | <0.2 | 1.8 | 0.096 | <0.1 | 0.6 | 61 | 0.1 | 60 |
| 1090065 | Soil | 0.018 | 17.9 | 0.053 | 6.2 | <0.05 | 0.2 | 4.2 | <0.5 | 27 | <0.2 | 1.1 | 0.112 | <0.1 | 0.5 | 85 | <0.1 | 63 |
| 1090064 | Soil | 0.016 | 18.5 | 0.061 | 6.9 | <0.05 | 0.3 | 4.3 | <0.5 | 24 | <0.2 | 1.5 | 0.069 | <0.1 | 0.6 | 66 | 0.1 | 60 |
| 1090063 | Soil | 0.015 | 15.8 | 0.054 | 7.3 | <0.05 | 0.2 | 3.3 | <0.5 | 20 | <0.2 | 1.6 | 0.074 | <0.1 | 0.5 | 62 | 0.1 | 54 |
| 1090067 | Soil | 0.015 | 21.4 | 0.073 | 4.5 | <0.05 | 0.2 | 3.7 | <0.5 | 28 | <0.2 | 1.0 | 0.099 | 0.2 | 0.4 | 104 | <0.1 | 89 |
| 1090069 | Soil | 0.013 | 18.4 | 0.025 | 5.8 | <0.05 | 0.2 | 2.6 | <0.5 | 15 | <0.2 | 1.4 | 0.148 | <0.1 | 0.3 | 91 | <0.1 | 50 |
| 1090081 | Soil | 0.016 | 12.9 | 0.057 | 6.6 | <0.05 | 0.3 | 2.7 | <0.5 | 21 | <0.2 | 1.0 | 0.056 | <0.1 | 0.4 | 49 | 0.2 | 52 |
| 1090051 | Soil | 0.016 | 19.2 | 0.068 | 9.9 | <0.05 | 0.4 | 3.4 | <0.5 | 18 | <0.2 | 1.3 | 0.073 | <0.1 | 0.5 | 80 | 0.1 | 53 |
| 1090071 | Soil | 0.019 | 24.9 | 0.050 | 6.1 | 0.23 | 0.1 | 7.0 | 1.1 | 24 | <0.2 | 1.3 | 0.192 | 0.2 | 0.4 | 144 | <0.1 | 63 |
| 1090070 | Soil | 0.021 | 26.9 | 0.053 | 4.3 | 0.29 | 0.1 | 7.8 | 1.1 | 26 | <0.2 | 1.2 | 0.203 | 0.2 | 0.4 | 157 | <0.1 | 63 |
| 1090072 | Soil | 0.010 | 18.3 | 0.047 | 5.6 | <0.05 | 0.2 | 2.5 | <0.5 | 16 | <0.2 | 1.1 | 0.187 | 0.3 | 0.2 | 120 | <0.1 | 62 |
| 1090073 | Soil | 0.016 | 23.7 | 0.028 | 6.8 | <0.05 | 0.4 | 5.3 | <0.5 | 20 | <0.2 | 2.6 | 0.115 | <0.1 | 0.6 | 87 | <0.1 | 56 |
| 1090066 | Soil | 0.013 | 22.1 | 0.079 | 4.3 | <0.05 | 0.2 | 4.1 | <0.5 | 29 | <0.2 | 1.0 | 0.105 | 0.2 | 0.4 | 113 | <0.1 | 91 |
| 1090080 | Soil | 0.022 | 19.1 | 0.057 | 8.3 | <0.05 | 0.4 | 4.2 | <0.5 | 25 | <0.2 | 2.6 | 0.071 | <0.1 | 0.6 | 68 | 0.2 | 64 |
| 1090078 | Soil | 0.022 | 13.5 | 0.054 | 8.7 | <0.05 | 0.3 | 5.3 | <0.5 | 19 | <0.2 | 1.9 | 0.057 | <0.1 | 0.5 | 78 | <0.1 | 71 |
| 1090082 | Soil | 0.017 | 16.4 | 0.069 | 8.2 | <0.05 | 0.2 | 4.6 | <0.5 | 32 | <0.2 | 2.1 | 0.068 | <0.1 | 0.6 | 77 | 0.1 | 72 |
| 1090079 | Soil | 0.016 | 16.9 | 0.053 | 8.8 | <0.05 | 0.3 | 4.3 | <0.5 | 21 | <0.2 | 2.2 | 0.055 | <0.1 | 0.7 | 60 | 0.1 | 67 |
| 1090077 | Soil | 0.017 | 14.0 | 0.047 | 10.2 | <0.05 | 0.2 | 5.0 | 1.3 | 22 | <0.2 | 1.9 | 0.089 | <0.1 | 0.7 | 76 | 0.1 | 74 |
| 1090076 | Soil | 0.013 | 18.3 | 0.046 | 9.2 | <0.05 | 0.3 | 4.3 | <0.5 | 18 | <0.2 | 1.9 | 0.099 | <0.1 | 0.5 | 79 | 0.1 | 74 |
| 1090075 | Soil | 0.017 | 21.7 | 0.050 | 7.2 | <0.05 | 0.4 | 4.6 | <0.5 | 26 | <0.2 | 2.8 | 0.089 | <0.1 | 0.8 | 63 | 0.1 | 58 |
| 1090056 | Soil | 0.011 | 13.1 | 0.053 | 7.2 | <0.05 | 0.3 | 3.2 | <0.5 | 17 | <0.2 | 1.1 | 0.160 | <0.1 | 0.6 | 102 | 0.1 | 57 |
| 1090068 | Soil | 0.013 | 13.3 | 0.041 | 5.8 | <0.05 | 0.2 | 2.4 | <0.5 | 21 | <0.2 | 0.6 | 0.071 | <0.1 | 0.4 | 65 | <0.1 | 43 |
| 1090061 | Soil | 0.014 | 17.5 | 0.067 | 8.2 | <0.05 | 0.3 | 4.1 | <0.5 | 20 | <0.2 | 1.7 | 0.099 | <0.1 | 0.5 | 70 | 0.1 | 65 |
| 1090057 | Soil | 0.017 | 13.5 | 0.042 | 29.4 | 0.06 | 0.4 | 2.8 | <0.5 | 16 | <0.2 | 0.9 | 0.107 | <0.1 | 0.5 | 87 | <0.1 | 43 |
| 1090054 | Soil | 0.012 | 19.1 | 0.060 | 9.2 | <0.05 | 0.5 | 3.1 | <0.5 | 19 | <0.2 | 1.3 | 0.082 | <0.1 | 0.7 | 90 | 0.1 | 51 |
| 1090055 | Soil | 0.019 | 28.4 | 0.075 | 4.9 | <0.05 | 0.3 | 4.3 | <0.5 | 23 | <0.2 | 2.4 | 0.166 | <0.1 | 0.5 | 97 | 0.1 | 64 |
| 1090052 | Soil | 0.040 | 10.0 | 0.145 | 3.4 | <0.05 | 0.1 | 5.3 | <0.5 | 9 | <0.2 | 0.8 | 0.175 | <0.1 | 0.4 | 180 | <0.1 | 71 |
| 1090059 | Soil | 0.026 | 23.1 | 0.056 | 63.5 | <0.05 | 0.3 | 5.7 | <0.5 | 29 | <0.2 | 2.3 | 0.141 | <0.1 | 0.7 | 88 | 0.1 | 69 |
| 1090058 | Soil | 0.024 | 20.7 | 0.074 | 15.1 | <0.05 | 0.3 | 4.2 | <0.5 | 27 | <0.2 | 2.5 | 0.145 | <0.1 | 0.6 | 86 | 0.2 | 67 |

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Project: TSL
Report Date: September 01, 2011



# CERTIFICATE OF ANALYSIS DAW11000166.1

| | 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 |
| 1090060 | Soil | 2.2 | 0.1 | 1.81 | 4.8 | 2 | 160 | 0.2 | 0.39 | <0.1 | 9.5 | 32 | 25.9 | 2.50 | 6 | 0.04 | 0.06 | 8 | 0.69 | 172 | 0.8 |
| 1090062 | Soil | 4.2 | <0.1 | 1.88 | 6.5 | 1 | 160 | 0.1 | 0.38 | 0.1 | 10.6 | 31 | 23.2 | 2.69 | 6 | 0.04 | 0.06 | 8 | 0.73 | 244 | 0.8 |
| 1090074 | Soil | 3.0 | <0.1 | 2.18 | 4.9 | 1 | 231 | 0.1 | 0.44 | <0.1 | 13.2 | 40 | 47.1 | 2.99 | 6 | 0.02 | 0.10 | 10 | 1.00 | 290 | 0.7 |
| 1073973 | Soil | 4.8 | 0.4 | 2.17 | 3.0 | 1 | 322 | 0.1 | 0.33 | 0.3 | 16.2 | 31 | 83.2 | 3.91 | 9 | 0.02 | 0.23 | 7 | 1.36 | 656 | 1.2 |
| 1073972 | Soil | 1.4 | 0.2 | 2.07 | 2.1 | 1 | 408 | 0.1 | 0.50 | 0.1 | 15.7 | 29 | 75.8 | 5.73 | 7 | 0.02 | 0.35 | 12 | 1.12 | 548 | 1.6 |
| 1073977 | Soil | 1.4 | 0.1 | 1.69 | 3.5 | 1 | 202 | 0.1 | 0.30 | 0.1 | 7.5 | 21 | 24.9 | 3.07 | 6 | 0.02 | 0.08 | 8 | 0.82 | 197 | 1.8 |
| 1073976 | Soil | 1.0 | 0.1 | 1.74 | 4.5 | 2 | 247 | 0.1 | 0.33 | 0.3 | 8.0 | 23 | 34.7 | 3.71 | 6 | 0.04 | 0.09 | 10 | 0.76 | 244 | 1.7 |
| 1073959 | Soil | 1.8 | 0.1 | 1.40 | 5.1 | 2 | 131 | 0.2 | 0.25 | 0.1 | 5.0 | 27 | 18.2 | 2.13 | 5 | 0.04 | 0.04 | 8 | 0.41 | 109 | 0.5 |
| 1073960 | Soil | <0.5 | <0.1 | 1.27 | 3.4 | 1 | 103 | 0.1 | 0.27 | <0.1 | 5.3 | 22 | 15.7 | 1.79 | 5 | 0.04 | 0.04 | 7 | 0.45 | 120 | 0.4 |
| 1073975 | Soil | 4.0 | 0.2 | 2.27 | 5.5 | 1 | 311 | 0.1 | 0.40 | 0.5 | 17.3 | 30 | 62.7 | 3.81 | 7 | 0.02 | 0.07 | 12 | 1.01 | 364 | 1.1 |
| 1073974 | Soil | 2.2 | 0.2 | 1.86 | 3.0 | <1 | 277 | 0.1 | 0.26 | 0.2 | 14.3 | 28 | 76.3 | 3.26 | 7 | 0.02 | 0.15 | 7 | 0.76 | 480 | 1.4 |
| 1073978 | Soil | 4.4 | <0.1 | 1.58 | 7.0 | 2 | 241 | 0.1 | 0.66 | 0.1 | 9.6 | 31 | 29.7 | 2.60 | 5 | 0.03 | 0.07 | 12 | 0.63 | 323 | 0.6 |
| 1073971 | Soil | 0.9 | 0.2 | 2.08 | 5.4 | <1 | 214 | <0.1 | 0.44 | <0.1 | 13.8 | 35 | 35.8 | 3.18 | 6 | 0.02 | 0.08 | 8 | 0.96 | 387 | 0.9 |
| 1073961 | Soil | 3.4 | <0.1 | 1.46 | 3.5 | 1 | 130 | 0.1 | 0.27 | 0.1 | 6.0 | 24 | 20.6 | 1.99 | 5 | 0.06 | 0.05 | 7 | 0.50 | 121 | 0.5 |
| 1073963 | Soil | 2.8 | <0.1 | 1.62 | 3.2 | <1 | 100 | <0.1 | 0.40 | <0.1 | 9.3 | 21 | 15.3 | 2.41 | 6 | 0.02 | 0.11 | 6 | 0.84 | 225 | 0.4 |
| 1073962 | Soil | 3.3 | <0.1 | 1.68 | 4.4 | <1 | 113 | <0.1 | 0.29 | 0.1 | 8.7 | 25 | 21.3 | 2.55 | 6 | 0.03 | 0.06 | 7 | 0.76 | 238 | 0.5 |
| 1073965 | Soil | 2.0 | <0.1 | 2.07 | 5.6 | <1 | 166 | <0.1 | 0.37 | <0.1 | 13.1 | 38 | 33.3 | 3.30 | 7 | 0.01 | 0.11 | 7 | 1.03 | 268 | 0.6 |
| 1073964 | Soil | 1.5 | <0.1 | 1.68 | 3.0 | <1 | 145 | <0.1 | 0.40 | 0.1 | 12.0 | 20 | 19.8 | 2.79 | 6 | 0.01 | 0.05 | 6 | 0.79 | 358 | 0.4 |
| 1073967 | Soil | 0.7 | 0.1 | 2.91 | 1.7 | <1 | 262 | <0.1 | 0.42 | <0.1 | 23.8 | 66 | 81.3 | 4.12 | 8 | 0.01 | 1.01 | 4 | 2.34 | 470 | 0.6 |
| 1073966 | Soil | 2.2 | 0.2 | 3.03 | 1.5 | <1 | 284 | <0.1 | 0.42 | <0.1 | 23.2 | 67 | 81.6 | 4.22 | 8 | 0.01 | 1.00 | 4 | 2.44 | 472 | 0.7 |
| 1073969 | Soil | 2.5 | 0.2 | 1.84 | 5.3 | 1 | 400 | <0.1 | 0.36 | 0.2 | 13.9 | 38 | 34.8 | 3.34 | 7 | 0.02 | 0.19 | 9 | 0.93 | 390 | 0.7 |
| 1073968 | Soil | 2.0 | 0.2 | 2.18 | 4.8 | 2 | 250 | 0.1 | 0.46 | 0.1 | 14.3 | 38 | 35.5 | 3.42 | 6 | 0.02 | 0.23 | 8 | 1.15 | 411 | 0.7 |
| 1073970 | Soil | 3.3 | 0.2 | 2.14 | 4.5 | <1 | 279 | <0.1 | 0.70 | 0.1 | 15.7 | 35 | 48.7 | 3.17 | 6 | 0.04 | 0.20 | 10 | 1.12 | 521 | 0.4 |
| 1073955 | Soil | 0.7 | <0.1 | 2.35 | 11.9 | <1 | 212 | 0.1 | 0.31 | 0.1 | 19.7 | 29 | 67.0 | 4.16 | 7 | 0.02 | 0.40 | 8 | 1.26 | 522 | 1.1 |
| 1073953 | Soil | 0.6 | <0.1 | 1.84 | 4.8 | <1 | 484 | 0.1 | 0.47 | <0.1 | 11.5 | 36 | 34.5 | 3.04 | 6 | 0.02 | 0.10 | 11 | 1.01 | 326 | 0.5 |
| 1073952 | Soil | 3.2 | 0.1 | 2.10 | 4.6 | 1 | 360 | 0.1 | 0.52 | 0.2 | 15.1 | 37 | 40.2 | 3.07 | 6 | 0.06 | 0.05 | 11 | 0.90 | 563 | 0.4 |
| 1073957 | Soil | 1.7 | 0.1 | 1.71 | 6.4 | 2 | 181 | 0.3 | 0.39 | <0.1 | 8.6 | 27 | 26.8 | 2.25 | 5 | 0.05 | 0.07 | 8 | 0.69 | 171 | 0.5 |
| 1073954 | Soil | 2.7 | 0.1 | 2.07 | 6.0 | 1 | 346 | 0.2 | 0.39 | <0.1 | 14.4 | 37 | 48.7 | 3.38 | 7 | 0.02 | 0.23 | 11 | 0.98 | 545 | 0.8 |
| 1073956 | Soil | <0.5 | 0.2 | 0.52 | 3.9 | <1 | 51 | 0.2 | 0.08 | 0.1 | 2.6 | 11 | 21.5 | 1.29 | 4 | 0.04 | 0.03 | 4 | 0.09 | 65 | 0.9 |
| 1073958 | Soil | 34.1 | 0.1 | 1.63 | 3.7 | 1 | 140 | 0.2 | 0.32 | 0.1 | 7.0 | 29 | 23.4 | 1.97 | 6 | 0.04 | 0.05 | 8 | 0.57 | 140 | 0.4 |

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Project: TSL
Report Date: September 01, 2011



# CERTIFICATE OF ANALYSIS DAW11000166.1

| | 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 |
| 1090060 | Soil | 0.018 | 18.6 | 0.052 | 12.2 | <0.05 | 0.2 | 3.6 | <0.5 | 23 | <0.2 | 1.7 | 0.099 | <0.1 | 0.5 | 73 | 0.1 | 55 |
| 1090062 | Soil | 0.019 | 17.8 | 0.060 | 8.1 | <0.05 | 0.2 | 3.7 | <0.5 | 27 | <0.2 | 1.8 | 0.098 | <0.1 | 0.5 | 79 | 0.1 | 57 |
| 1090074 | Soil | 0.021 | 22.9 | 0.052 | 6.9 | <0.05 | 0.3 | 4.9 | <0.5 | 26 | <0.2 | 2.4 | 0.129 | <0.1 | 0.7 | 87 | 0.1 | 61 |
| 1073973 | Soil | 0.021 | 15.3 | 0.061 | 12.5 | 0.10 | 0.2 | 7.2 | <0.5 | 27 | <0.2 | 1.0 | 0.092 | <0.1 | 0.6 | 121 | <0.1 | 109 |
| 1073972 | Soil | 0.107 | 17.0 | 0.083 | 11.4 | 0.49 | 0.2 | 11.5 | 1.5 | 39 | 0.3 | 2.9 | 0.031 | 0.1 | 0.7 | 99 | <0.1 | 104 |
| 1073977 | Soil | 0.020 | 12.0 | 0.049 | 11.0 | 0.15 | 0.2 | 4.3 | 1.7 | 25 | <0.2 | 1.5 | 0.051 | <0.1 | 0.5 | 82 | 0.1 | 87 |
| 1073976 | Soil | 0.018 | 13.0 | 0.065 | 13.0 | 0.13 | 0.2 | 5.2 | 2.1 | 27 | <0.2 | 1.3 | 0.051 | <0.1 | 0.6 | 84 | 0.1 | 93 |
| 1073959 | Soil | 0.014 | 13.0 | 0.053 | 14.0 | <0.05 | 0.2 | 2.6 | <0.5 | 18 | <0.2 | 0.7 | 0.066 | <0.1 | 0.5 | 50 | 0.1 | 42 |
| 1073960 | Soil | 0.016 | 11.9 | 0.044 | 10.0 | <0.05 | 0.2 | 2.7 | <0.5 | 18 | <0.2 | 0.7 | 0.074 | <0.1 | 0.4 | 44 | 0.1 | 42 |
| 1073975 | Soil | 0.018 | 17.8 | 0.051 | 18.3 | <0.05 | 0.2 | 8.0 | 1.7 | 25 | <0.2 | 2.4 | 0.069 | <0.1 | 0.9 | 98 | <0.1 | 133 |
| 1073974 | Soil | 0.037 | 14.6 | 0.044 | 7.1 | 0.21 | 0.2 | 7.3 | 1.0 | 28 | <0.2 | 1.1 | 0.068 | <0.1 | 0.6 | 92 | <0.1 | 69 |
| 1073978 | Soil | 0.034 | 19.9 | 0.072 | 6.6 | <0.05 | 0.4 | 4.3 | <0.5 | 38 | <0.2 | 2.6 | 0.094 | <0.1 | 0.8 | 65 | <0.1 | 57 |
| 1073971 | Soil | 0.020 | 20.8 | 0.047 | 7.7 | <0.05 | 0.2 | 4.6 | <0.5 | 24 | <0.2 | 1.9 | 0.096 | <0.1 | 0.4 | 83 | 0.1 | 64 |
| 1073961 | Soil | 0.015 | 12.7 | 0.057 | 8.3 | 0.05 | 0.2 | 2.5 | <0.5 | 19 | <0.2 | 0.6 | 0.065 | <0.1 | 0.5 | 46 | <0.1 | 48 |
| 1073963 | Soil | 0.031 | 10.7 | 0.064 | 4.1 | <0.05 | 0.1 | 4.3 | <0.5 | 19 | <0.2 | 1.0 | 0.098 | <0.1 | 0.3 | 79 | 0.1 | 49 |
| 1073962 | Soil | 0.019 | 12.4 | 0.048 | 6.4 | <0.05 | 0.1 | 3.3 | <0.5 | 18 | <0.2 | 1.1 | 0.107 | <0.1 | 0.4 | 90 | <0.1 | 53 |
| 1073965 | Soil | 0.018 | 18.4 | 0.032 | 4.8 | <0.05 | 0.2 | 3.3 | <0.5 | 20 | <0.2 | 1.6 | 0.150 | 0.1 | 0.3 | 104 | <0.1 | 56 |
| 1073964 | Soil | 0.037 | 10.4 | 0.052 | 4.6 | <0.05 | 0.1 | 4.4 | <0.5 | 21 | <0.2 | 1.1 | 0.099 | <0.1 | 0.4 | 90 | <0.1 | 53 |
| 1073967 | Soil | 0.030 | 25.1 | 0.068 | 3.1 | 0.17 | <0.1 | 4.3 | 0.7 | 26 | <0.2 | 0.7 | 0.214 | 0.2 | 0.3 | 138 | <0.1 | 61 |
| 1073966 | Soil | 0.032 | 24.8 | 0.069 | 3.2 | 0.18 | <0.1 | 4.5 | 0.8 | 26 | <0.2 | 0.8 | 0.211 | 0.2 | 0.3 | 136 | <0.1 | 62 |
| 1073969 | Soil | 0.018 | 18.7 | 0.061 | 5.6 | <0.05 | 0.3 | 5.0 | <0.5 | 18 | <0.2 | 1.8 | 0.124 | 0.1 | 0.5 | 89 | <0.1 | 64 |
| 1073968 | Soil | 0.017 | 22.0 | 0.044 | 5.5 | <0.05 | 0.2 | 4.6 | <0.5 | 22 | <0.2 | 1.7 | 0.138 | 0.1 | 0.5 | 94 | <0.1 | 67 |
| 1073970 | Soil | 0.018 | 23.1 | 0.060 | 5.6 | <0.05 | 0.2 | 5.7 | <0.5 | 25 | <0.2 | 1.8 | 0.119 | 0.1 | 0.6 | 84 | 0.1 | 70 |
| 1073955 | Soil | 0.018 | 17.2 | 0.061 | 11.5 | <0.05 | 0.2 | 5.9 | 0.7 | 17 | <0.2 | 2.1 | 0.179 | 0.2 | 0.5 | 120 | <0.1 | 97 |
| 1073953 | Soil | 0.022 | 21.7 | 0.065 | 6.0 | <0.05 | 0.3 | 4.7 | <0.5 | 28 | <0.2 | 2.7 | 0.140 | <0.1 | 0.7 | 80 | 0.1 | 66 |
| 1073952 | Soil | 0.021 | 23.3 | 0.059 | 7.4 | <0.05 | 0.4 | 6.2 | <0.5 | 28 | <0.2 | 2.6 | 0.103 | <0.1 | 0.8 | 83 | 0.1 | 68 |
| 1073957 | Soil | 0.018 | 16.9 | 0.054 | 31.6 | <0.05 | 0.1 | 3.7 | <0.5 | 28 | <0.2 | 2.0 | 0.106 | <0.1 | 0.5 | 60 | 0.1 | 56 |
| 1073954 | Soil | 0.016 | 21.8 | 0.056 | 12.9 | <0.05 | 0.3 | 5.1 | <0.5 | 24 | <0.2 | 2.6 | 0.149 | 0.1 | 0.8 | 94 | 0.1 | 69 |
| 1073956 | Soil | 0.014 | 5.2 | 0.030 | 16.0 | <0.05 | 0.3 | 0.9 | <0.5 | 10 | <0.2 | 0.2 | 0.050 | <0.1 | 0.3 | 45 | <0.1 | 21 |
| 1073958 | Soil | 0.016 | 14.4 | 0.051 | 15.3 | <0.05 | 0.2 | 3.2 | 0.6 | 20 | <0.2 | 1.3 | 0.083 | <0.1 | 0.5 | 54 | 0.1 | 50 |

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Project: TSL
Report Date: September 01, 2011



# CERTIFICATE OF ANALYSIS DAW11000166.1

| | 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 |
| 1167849 | Soil | 1.2 | <0.1 | 1.59 | 6.9 | 2 | 136 | 0.3 | 0.32 | <0.1 | 12.7 | 37 | 32.0 | 2.83 | 6 | 0.02 | 0.06 | 10 | 0.64 | 422 | 0.8 |
| 1073951 | Soil | 4.2 | 0.2 | 2.01 | 5.2 | 1 | 334 | 0.1 | 0.39 | 0.1 | 12.5 | 36 | 41.7 | 2.92 | 6 | 0.04 | 0.15 | 10 | 1.01 | 240 | 0.6 |
| 1167850 | Soil | 4.0 | 0.2 | 2.36 | 8.1 | 1 | 180 | 0.2 | 0.29 | 0.1 | 14.3 | 40 | 52.1 | 3.71 | 8 | 0.04 | 0.09 | 8 | 0.82 | 334 | 1.4 |
| 1090084 | Soil | 2.0 | <0.1 | 2.04 | 23.7 | <1 | 484 | <0.1 | 0.41 | <0.1 | 15.7 | 105 | 49.1 | 3.45 | 7 | 0.03 | 0.46 | 11 | 1.36 | 311 | 0.5 |
| 1090083 | Soil | 1.9 | 0.2 | 2.02 | 6.7 | 1 | 420 | <0.1 | 0.46 | <0.1 | 13.7 | 53 | 42.8 | 3.15 | 7 | 0.04 | 0.20 | 12 | 1.06 | 376 | 0.6 |
| 1090086 | Soil | 3.7 | 0.2 | 2.23 | 6.2 | 1 | 357 | 0.1 | 0.51 | <0.1 | 9.2 | 33 | 36.4 | 2.88 | 6 | 0.07 | 0.08 | 12 | 0.72 | 168 | 0.7 |
| 1090085 | Soil | 4.6 | <0.1 | 1.87 | 7.2 | 1 | 282 | <0.1 | 0.42 | <0.1 | 12.0 | 55 | 36.5 | 2.78 | 6 | 0.03 | 0.19 | 9 | 0.90 | 244 | 0.5 |
| 1090145 | Soil | 1.3 | <0.1 | 2.19 | 5.9 | 1 | 249 | 0.1 | 0.35 | <0.1 | 11.9 | 29 | 28.4 | 3.28 | 7 | 0.02 | 0.14 | 9 | 1.10 | 359 | 0.6 |
| 1160845 | Soil | 5.4 | 0.1 | 1.89 | 5.3 | 1 | 262 | <0.1 | 0.50 | 0.1 | 10.1 | 29 | 32.2 | 2.86 | 6 | 0.06 | 0.11 | 8 | 0.83 | 275 | 0.5 |
| 1090144 | Soil | 1.6 | <0.1 | 2.14 | 5.8 | <1 | 243 | <0.1 | 0.36 | <0.1 | 11.5 | 30 | 27.9 | 3.24 | 7 | 0.02 | 0.14 | 9 | 1.10 | 364 | 0.7 |
| 1162216 | Soil | 0.7 | <0.1 | 2.63 | 4.4 | <1 | 267 | <0.1 | 0.48 | <0.1 | 14.8 | 23 | 44.2 | 3.76 | 8 | <0.01 | 0.39 | 7 | 1.51 | 465 | 0.5 |
| 1160838 | Soil | 0.8 | <0.1 | 1.90 | 6.7 | <1 | 278 | 0.1 | 0.33 | 0.1 | 11.0 | 37 | 36.6 | 3.34 | 6 | 0.02 | 0.10 | 10 | 0.79 | 348 | 1.0 |
| 1162220 | Soil | 6.0 | <0.1 | 1.74 | 5.5 | <1 | 209 | <0.1 | 0.50 | <0.1 | 14.7 | 40 | 69.8 | 2.89 | 6 | 0.02 | 0.08 | 8 | 1.03 | 339 | 0.5 |
| 1162218 | Soil | 1.4 | <0.1 | 3.00 | 3.7 | <1 | 527 | <0.1 | 0.61 | <0.1 | 22.1 | 40 | 70.2 | 4.57 | 9 | <0.01 | 1.16 | 5 | 2.36 | 669 | 0.4 |
| 1160765 | Soil | 0.7 | <0.1 | 2.37 | 5.0 | <1 | 346 | <0.1 | 0.78 | <0.1 | 17.1 | 45 | 111.6 | 4.27 | 9 | <0.01 | 0.75 | 7 | 1.37 | 510 | 0.2 |
| 1162217 | Soil | 2.5 | 0.2 | 2.25 | 6.2 | <1 | 301 | <0.1 | 0.36 | <0.1 | 12.7 | 31 | 37.6 | 3.59 | 8 | 0.02 | 0.29 | 10 | 1.18 | 498 | 0.8 |
| 1160767 | Soil | 2.3 | <0.1 | 1.77 | 1.7 | <1 | 182 | <0.1 | 0.69 | <0.1 | 19.0 | 31 | 108.7 | 2.48 | 4 | <0.01 | 0.29 | 2 | 1.38 | 289 | 0.1 |
| 1160768 | Soil | 3.5 | 0.3 | 2.26 | 10.2 | <1 | 381 | 0.1 | 0.44 | <0.1 | 20.9 | 29 | 57.6 | 3.34 | 7 | 0.05 | 0.29 | 10 | 1.06 | 927 | 0.5 |
| 1090135 | Soil | 1.8 | 0.2 | 2.82 | 7.1 | <1 | 375 | 0.1 | 0.20 | <0.1 | 14.5 | 38 | 51.8 | 4.39 | 9 | 0.03 | 0.63 | 8 | 1.41 | 577 | 0.9 |
| 1090138 | Soil | 0.8 | <0.1 | 2.20 | 4.7 | <1 | 270 | <0.1 | 0.44 | 0.1 | 14.8 | 24 | 47.0 | 3.49 | 7 | <0.01 | 0.25 | 8 | 1.07 | 481 | 0.5 |
| 1160766 | Soil | 1.3 | <0.1 | 1.73 | 2.5 | <1 | 201 | <0.1 | 0.86 | <0.1 | 18.0 | 43 | 157.3 | 3.02 | 6 | <0.01 | 0.17 | 3 | 1.14 | 448 | 0.2 |
| 1162219 | Soil | 1.2 | <0.1 | 2.38 | 2.0 | <1 | 414 | <0.1 | 0.31 | <0.1 | 14.4 | 32 | 59.9 | 4.17 | 10 | <0.01 | 0.76 | 9 | 1.80 | 396 | 0.2 |
| 1090137 | Soil | 2.1 | <0.1 | 2.18 | 5.5 | <1 | 387 | <0.1 | 0.38 | <0.1 | 13.8 | 28 | 57.7 | 3.72 | 7 | 0.02 | 0.25 | 11 | 1.07 | 414 | 1.0 |
| 1090139 | Soil | 9.2 | 0.2 | 2.13 | 6.0 | <1 | 272 | 0.1 | 0.40 | <0.1 | 12.1 | 29 | 43.0 | 3.58 | 7 | 0.02 | 0.24 | 11 | 1.08 | 497 | 1.0 |
| 1160837 | Soil | 5.5 | <0.1 | 2.75 | 1.7 | <1 | 470 | <0.1 | 0.65 | 0.3 | 25.4 | 32 | 118.3 | 5.20 | 8 | <0.01 | 0.49 | 9 | 1.33 | 786 | 0.7 |
| 1090136 | Soil | 2.5 | 0.2 | 2.63 | 11.7 | 1 | 218 | 0.1 | 0.25 | <0.1 | 13.9 | 36 | 54.7 | 3.70 | 7 | 0.04 | 0.12 | 11 | 0.91 | 362 | 1.0 |
| 1090146 | Soil | 3.7 | <0.1 | 3.26 | 6.5 | <1 | 522 | <0.1 | 0.32 | <0.1 | 19.2 | 49 | 68.1 | 5.69 | 12 | <0.01 | 1.32 | 8 | 2.18 | 903 | 0.6 |
| 1090140 | Soil | 1.0 | <0.1 | 2.98 | 4.4 | <1 | 356 | <0.1 | 0.46 | <0.1 | 15.7 | 26 | 40.3 | 4.58 | 11 | 0.01 | 0.53 | 10 | 1.90 | 494 | 0.6 |
| 1090142 | Soil | 1.8 | <0.1 | 2.58 | 5.1 | <1 | 234 | <0.1 | 0.39 | <0.1 | 14.4 | 30 | 32.4 | 3.82 | 8 | <0.01 | 0.23 | 9 | 1.39 | 392 | 0.5 |
| 1090141 | Soil | 1.5 | <0.1 | 2.50 | 4.5 | <1 | 245 | <0.1 | 0.41 | <0.1 | 14.5 | 28 | 33.1 | 3.73 | 8 | 0.01 | 0.25 | 8 | 1.36 | 394 | 0.5 |

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Project: TSL
Report Date: September 01, 2011



# CERTIFICATE OF ANALYSIS DAW11000166.1

| | 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 |
| 1167849 | Soil | 0.014 | 24.1 | 0.060 | 38.8 | <0.05 | 0.3 | 3.3 | <0.5 | 22 | <0.2 | 1.8 | 0.088 | <0.1 | 0.5 | 66 | 0.1 | 53 |
| 1073951 | Soil | 0.017 | 20.3 | 0.060 | 6.6 | <0.05 | 0.3 | 4.8 | 0.6 | 27 | <0.2 | 2.1 | 0.135 | 0.1 | 0.8 | 76 | <0.1 | 57 |
| 1167850 | Soil | 0.012 | 24.5 | 0.050 | 10.7 | <0.05 | 0.4 | 5.7 | <0.5 | 19 | <0.2 | 1.6 | 0.096 | <0.1 | 0.6 | 88 | 0.1 | 76 |
| 1090084 | Soil | 0.016 | 47.5 | 0.062 | 5.6 | <0.05 | 3.4 | 6.2 | <0.5 | 23 | <0.2 | 2.7 | 0.159 | 0.2 | 0.6 | 81 | <0.1 | 72 |
| 1090083 | Soil | 0.020 | 30.0 | 0.050 | 6.5 | <0.05 | 0.2 | 5.7 | <0.5 | 24 | <0.2 | 2.3 | 0.143 | <0.1 | 0.7 | 82 | <0.1 | 63 |
| 1090086 | Soil | 0.019 | 18.5 | 0.065 | 8.6 | <0.05 | 0.3 | 6.4 | 0.6 | 36 | <0.2 | 1.5 | 0.091 | <0.1 | 1.1 | 64 | <0.1 | 56 |
| 1090085 | Soil | 0.020 | 21.7 | 0.070 | 5.7 | <0.05 | 0.5 | 4.6 | <0.5 | 25 | <0.2 | 1.8 | 0.127 | <0.1 | 0.7 | 73 | 0.1 | 57 |
| 1090145 | Soil | 0.015 | 15.7 | 0.045 | 6.1 | <0.05 | 0.2 | 4.7 | <0.5 | 24 | <0.2 | 2.5 | 0.156 | <0.1 | 0.5 | 80 | 0.1 | 62 |
| 1160845 | Soil | 0.021 | 15.5 | 0.056 | 5.7 | <0.05 | 0.3 | 5.6 | <0.5 | 30 | <0.2 | 1.5 | 0.110 | <0.1 | 0.7 | 79 | <0.1 | 61 |
| 1090144 | Soil | 0.016 | 16.8 | 0.044 | 6.4 | <0.05 | 0.2 | 4.7 | <0.5 | 23 | <0.2 | 2.6 | 0.153 | <0.1 | 0.5 | 80 | <0.1 | 61 |
| 1162216 | Soil | 0.018 | 14.4 | 0.078 | 4.6 | <0.05 | 0.1 | 5.1 | <0.5 | 26 | <0.2 | 1.9 | 0.196 | <0.1 | 0.5 | 95 | <0.1 | 72 |
| 1160838 | Soil | 0.019 | 17.2 | 0.042 | 6.9 | <0.05 | 0.3 | 4.0 | <0.5 | 25 | <0.2 | 2.3 | 0.125 | <0.1 | 0.5 | 72 | <0.1 | 79 |
| 1162220 | Soil | 0.043 | 18.5 | 0.050 | 4.9 | <0.05 | 0.2 | 6.0 | <0.5 | 20 | <0.2 | 1.7 | 0.115 | <0.1 | 0.4 | 79 | <0.1 | 51 |
| 1162218 | Soil | 0.017 | 18.6 | 0.133 | 3.2 | <0.05 | <0.1 | 4.5 | <0.5 | 35 | <0.2 | 1.3 | 0.267 | 0.2 | 0.3 | 121 | <0.1 | 96 |
| 1160765 | Soil | 0.052 | 18.1 | 0.158 | 2.2 | <0.05 | 0.1 | 8.6 | <0.5 | 25 | <0.2 | 1.9 | 0.251 | 0.1 | 0.3 | 96 | <0.1 | 77 |
| 1162217 | Soil | 0.020 | 15.4 | 0.050 | 5.8 | <0.05 | 0.2 | 6.4 | <0.5 | 21 | <0.2 | 2.5 | 0.176 | <0.1 | 0.6 | 92 | <0.1 | 69 |
| 1160767 | Soil | 0.051 | 20.4 | 0.144 | 1.2 | <0.05 | <0.1 | 4.4 | <0.5 | 14 | <0.2 | 0.4 | 0.124 | 0.1 | 0.2 | 79 | <0.1 | 37 |
| 1160768 | Soil | 0.023 | 12.6 | 0.068 | 7.2 | <0.05 | 0.1 | 6.2 | <0.5 | 25 | 0.2 | 1.5 | 0.141 | 0.1 | 0.6 | 72 | <0.1 | 109 |
| 1090135 | Soil | 0.013 | 20.4 | 0.024 | 7.0 | <0.05 | 0.2 | 6.3 | <0.5 | 17 | <0.2 | 2.8 | 0.224 | 0.3 | 0.6 | 124 | <0.1 | 86 |
| 1090138 | Soil | 0.020 | 14.5 | 0.061 | 5.2 | <0.05 | 0.2 | 5.0 | <0.5 | 30 | <0.2 | 2.0 | 0.166 | <0.1 | 0.4 | 102 | <0.1 | 60 |
| 1160766 | Soil | 0.075 | 19.4 | 0.169 | 2.1 | <0.05 | <0.1 | 6.4 | <0.5 | 21 | <0.2 | 0.6 | 0.107 | <0.1 | 0.2 | 74 | <0.1 | 56 |
| 1162219 | Soil | 0.017 | 12.9 | 0.084 | 2.3 | <0.05 | <0.1 | 9.6 | <0.5 | 10 | <0.2 | 3.2 | 0.196 | 0.2 | 0.4 | 105 | <0.1 | 73 |
| 1090137 | Soil | 0.014 | 17.1 | 0.054 | 6.1 | <0.05 | 0.2 | 8.2 | <0.5 | 24 | <0.2 | 3.0 | 0.132 | <0.1 | 0.6 | 110 | <0.1 | 68 |
| 1090139 | Soil | 0.014 | 16.4 | 0.072 | 6.8 | <0.05 | 0.3 | 6.2 | <0.5 | 24 | <0.2 | 2.1 | 0.135 | 0.1 | 0.7 | 94 | 0.1 | 63 |
| 1160837 | Soil | 0.024 | 15.1 | 0.146 | 3.3 | <0.05 | <0.1 | 6.0 | <0.5 | 24 | <0.2 | 1.6 | 0.154 | 0.2 | 0.4 | 87 | <0.1 | 359 |
| 1090136 | Soil | 0.014 | 21.0 | 0.025 | 8.5 | <0.05 | 0.3 | 5.2 | <0.5 | 19 | <0.2 | 2.6 | 0.143 | 0.1 | 0.6 | 102 | <0.1 | 62 |
| 1090146 | Soil | 0.015 | 19.1 | 0.073 | 5.0 | <0.05 | <0.1 | 8.1 | <0.5 | 15 | <0.2 | 2.7 | 0.348 | 0.4 | 0.6 | 161 | <0.1 | 144 |
| 1090140 | Soil | 0.016 | 15.4 | 0.058 | 5.6 | <0.05 | 0.2 | 11.1 | <0.5 | 25 | <0.2 | 2.4 | 0.228 | 0.2 | 0.5 | 124 | <0.1 | 87 |
| 1090142 | Soil | 0.019 | 19.0 | 0.039 | 5.2 | <0.05 | 0.2 | 5.2 | <0.5 | 30 | <0.2 | 2.5 | 0.182 | <0.1 | 0.5 | 94 | 0.1 | 72 |
| 1090141 | Soil | 0.016 | 17.2 | 0.042 | 4.8 | <0.05 | 0.2 | 5.0 | 0.7 | 29 | <0.2 | 2.4 | 0.180 | <0.1 | 0.5 | 93 | <0.1 | 73 |

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: September 01, 2011



# CERTIFICATE OF ANALYSIS DAW11000166.1

| | 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 |
| 1090143 | Soil | 2.1 | <0.1 | 2.41 | 5.6 | <1 | 223 | <0.1 | 0.39 | <0.1 | 13.9 | 28 | 34.7 | 3.54 | 7 | <0.01 | 0.26 | 8 | 1.30 | 402 | 0.6 |
| 1073911 | Soil | 0.8 | 0.1 | 2.40 | 2.2 | <1 | 562 | <0.1 | 0.36 | 0.2 | 13.9 | 25 | 88.6 | 5.27 | 9 | 0.01 | 0.57 | 12 | 1.48 | 607 | 1.7 |
| 1073916 | Soil | 1.8 | 0.1 | 1.60 | 4.5 | <1 | 250 | 0.1 | 0.26 | 0.1 | 11.5 | 22 | 27.9 | 2.86 | 5 | 0.03 | 0.06 | 10 | 0.59 | 327 | 1.6 |
| 1073903 | Soil | 2.9 | <0.1 | 1.47 | 2.6 | <1 | 100 | <0.1 | 0.22 | <0.1 | 6.7 | 22 | 18.6 | 2.08 | 5 | 0.04 | 0.05 | 5 | 0.63 | 137 | 0.5 |
| 1073901 | Soil | 1.2 | <0.1 | 1.43 | 3.2 | <1 | 125 | <0.1 | 0.26 | 0.1 | 6.3 | 20 | 19.3 | 1.93 | 5 | 0.04 | 0.05 | 6 | 0.60 | 129 | 0.4 |
| 1160949 | Soil | 2.9 | <0.1 | 1.11 | 2.7 | <1 | 94 | 0.1 | 0.21 | 0.1 | 3.8 | 18 | 13.8 | 1.43 | 4 | 0.03 | 0.03 | 6 | 0.30 | 83 | 0.4 |
| 1073910 | Soil | 3.6 | 0.1 | 1.70 | 3.4 | <1 | 326 | 0.2 | 0.39 | 0.1 | 15.1 | 26 | 44.2 | 3.49 | 5 | 0.03 | 0.12 | 8 | 0.95 | 469 | 1.2 |
| 1073902 | Soil | 2.7 | <0.1 | 1.40 | 3.2 | 1 | 120 | 0.1 | 0.22 | <0.1 | 7.7 | 21 | 18.5 | 1.89 | 5 | 0.03 | 0.07 | 6 | 0.65 | 162 | 0.4 |
| 1160950 | Soil | 5.1 | <0.1 | 1.02 | 2.7 | <1 | 78 | 0.1 | 0.19 | <0.1 | 4.4 | 19 | 16.0 | 1.45 | 4 | 0.03 | 0.03 | 5 | 0.39 | 100 | 0.5 |
| 1160948 | Soil | 8.6 | <0.1 | 1.23 | 4.9 | 1 | 117 | 0.2 | 0.23 | <0.1 | 5.5 | 24 | 17.7 | 1.67 | 5 | 0.04 | 0.04 | 7 | 0.43 | 141 | 0.5 |
| 1073912 | Soil | <0.5 | 0.1 | 2.33 | 2.8 | 1 | 511 | 0.1 | 0.33 | 0.2 | 15.8 | 24 | 80.0 | 4.71 | 8 | 0.02 | 0.52 | 11 | 1.46 | 609 | 1.4 |
| 1073915 | Soil | 3.1 | 0.1 | 1.51 | 3.9 | <1 | 197 | 0.2 | 0.23 | 0.2 | 6.8 | 20 | 34.9 | 2.79 | 5 | 0.04 | 0.07 | 8 | 0.62 | 228 | 0.9 |
| 1073914 | Soil | 1.5 | <0.1 | 1.94 | 5.2 | 1 | 269 | 0.1 | 0.28 | 0.1 | 12.6 | 26 | 45.7 | 3.43 | 7 | 0.01 | 0.06 | 10 | 0.92 | 389 | 1.3 |
| 1073913 | Soil | 1.8 | 0.1 | 1.17 | 3.0 | 2 | 172 | 0.1 | 0.18 | 0.2 | 9.7 | 20 | 48.3 | 2.46 | 5 | 0.04 | 0.06 | 5 | 0.49 | 323 | 1.2 |
| 1073905 | Soil | 6.2 | 0.2 | 2.13 | 3.6 | <1 | 155 | <0.1 | 0.34 | <0.1 | 17.3 | 41 | 49.0 | 3.13 | 6 | 0.02 | 0.42 | 5 | 1.53 | 410 | 0.6 |
| 1073909 | Soil | 1.5 | <0.1 | 2.12 | 4.6 | 1 | 495 | <0.1 | 0.70 | 0.2 | 22.8 | 75 | 38.6 | 4.22 | 6 | 0.02 | 0.12 | 8 | 1.24 | 643 | 0.5 |
| 1160894 | Soil | 2.0 | 0.1 | 1.60 | 5.8 | 1 | 189 | 0.1 | 0.27 | 0.1 | 10.6 | 34 | 21.2 | 2.40 | 5 | 0.04 | 0.05 | 11 | 0.58 | 201 | 0.7 |
| 1160899 | Soil | 2.4 | 0.3 | 1.37 | 2.2 | 1 | 177 | 0.1 | 0.23 | 0.1 | 6.7 | 23 | 35.3 | 1.85 | 5 | 0.04 | 0.18 | 8 | 0.58 | 148 | 0.6 |
| 1073904 | Soil | 2.1 | <0.1 | 1.69 | 4.1 | 1 | 144 | <0.1 | 0.24 | 0.1 | 10.1 | 25 | 24.9 | 2.23 | 5 | 0.05 | 0.05 | 7 | 0.67 | 191 | 0.4 |
| 1073908 | Soil | 2.0 | 0.2 | 1.80 | 3.3 | 2 | 244 | <0.1 | 0.79 | 0.2 | 18.7 | 27 | 57.9 | 3.99 | 5 | 0.03 | 0.24 | 9 | 1.08 | 666 | 0.4 |
| 1160896 | Soil | 1.4 | 0.1 | 2.03 | 4.8 | 1 | 280 | 0.1 | 0.56 | <0.1 | 14.2 | 36 | 39.1 | 2.86 | 6 | 0.04 | 0.06 | 10 | 0.90 | 462 | 0.5 |
| 1160947 | Soil | 2.2 | <0.1 | 1.54 | 6.4 | 1 | 120 | 0.2 | 0.29 | <0.1 | 8.4 | 25 | 21.0 | 2.18 | 5 | 0.03 | 0.05 | 7 | 0.60 | 165 | 0.6 |
| 1073907 | Soil | 1.7 | 0.3 | 1.71 | 3.8 | 1 | 221 | 0.1 | 0.26 | 0.1 | 10.3 | 34 | 33.5 | 2.71 | 7 | 0.05 | 0.11 | 8 | 0.77 | 262 | 0.7 |
| 1160893 | Soil | 2.0 | 0.3 | 1.87 | 7.9 | 1 | 212 | 0.3 | 0.32 | 0.1 | 13.3 | 40 | 42.3 | 2.79 | 6 | 0.05 | 0.05 | 13 | 0.51 | 434 | 1.3 |
| 1160897 | Soil | 3.3 | 0.1 | 1.88 | 4.3 | 1 | 314 | 0.1 | 0.33 | <0.1 | 10.3 | 31 | 27.7 | 2.61 | 6 | 0.03 | 0.06 | 9 | 0.83 | 257 | 0.5 |
| 1160946 | Soil | 2.7 | 0.2 | 1.53 | 6.1 | 1 | 176 | 0.2 | 0.29 | 0.1 | 7.4 | 26 | 35.0 | 1.96 | 5 | 0.04 | 0.06 | 8 | 0.52 | 132 | 0.7 |
| 1073906 | Soil | 4.0 | 0.2 | 1.99 | 4.5 | 1 | 199 | <0.1 | 0.37 | <0.1 | 15.3 | 40 | 41.8 | 3.04 | 6 | 0.03 | 0.20 | 7 | 1.15 | 386 | 0.6 |
| 1160895 | Soil | 1.5 | 0.1 | 1.55 | 3.6 | <1 | 236 | 0.1 | 0.30 | <0.1 | 10.5 | 27 | 20.0 | 2.18 | 6 | 0.05 | 0.06 | 7 | 0.69 | 296 | 0.6 |
| 1160900 | Soil | 3.2 | 0.9 | 1.73 | 15.7 | 1 | 188 | 0.2 | 0.31 | <0.1 | 11.2 | 21 | 117.4 | 2.37 | 4 | 0.10 | 0.09 | 15 | 0.45 | 238 | 1.7 |
| 1160898 | Soil | 3.4 | 0.2 | 1.91 | 4.9 | <1 | 331 | 0.1 | 0.35 | <0.1 | 13.1 | 35 | 40.2 | 2.90 | 6 | 0.03 | 0.18 | 11 | 0.98 | 463 | 0.6 |

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Project: TSL
Report Date: September 01, 2011



# CERTIFICATE OF ANALYSIS DAW11000166.1

| | 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 |
| 1090143 | Soil | 0.015 | 16.6 | 0.052 | 5.8 | <0.05 | 0.2 | 4.9 | <0.5 | 25 | <0.2 | 2.3 | 0.173 | <0.1 | 0.5 | 87 | 0.1 | 71 |
| 1073911 | Soil | 0.052 | 12.9 | 0.069 | 8.4 | 0.25 | 0.1 | 8.8 | 2.0 | 37 | <0.2 | 3.6 | 0.118 | 0.1 | 0.8 | 122 | <0.1 | 140 |
| 1073916 | Soil | 0.018 | 14.9 | 0.064 | 8.6 | <0.05 | 0.3 | 3.7 | 1.3 | 31 | <0.2 | 1.1 | 0.052 | <0.1 | 0.6 | 61 | <0.1 | 67 |
| 1073903 | Soil | 0.015 | 11.2 | 0.044 | 5.4 | <0.05 | 0.1 | 2.5 | <0.5 | 16 | <0.2 | 0.6 | 0.078 | 0.1 | 0.4 | 56 | <0.1 | 46 |
| 1073901 | Soil | 0.014 | 11.4 | 0.048 | 6.6 | <0.05 | 0.1 | 2.5 | <0.5 | 18 | <0.2 | 0.6 | 0.082 | <0.1 | 0.4 | 49 | <0.1 | 46 |
| 1160949 | Soil | 0.012 | 9.0 | 0.046 | 10.5 | <0.05 | 0.1 | 2.2 | <0.5 | 16 | <0.2 | 0.4 | 0.051 | <0.1 | 0.4 | 26 | <0.1 | 31 |
| 1073910 | Soil | 0.031 | 16.9 | 0.054 | 7.8 | 0.18 | 0.2 | 5.9 | 1.2 | 25 | <0.2 | 2.1 | 0.053 | <0.1 | 0.6 | 74 | <0.1 | 74 |
| 1073902 | Soil | 0.012 | 12.3 | 0.043 | 5.1 | <0.05 | 0.1 | 2.7 | 0.6 | 16 | <0.2 | 0.8 | 0.087 | <0.1 | 0.4 | 52 | 0.1 | 50 |
| 1160950 | Soil | 0.012 | 9.1 | 0.036 | 7.5 | 0.06 | 0.1 | 2.0 | <0.5 | 13 | <0.2 | 0.6 | 0.060 | <0.1 | 0.3 | 35 | 0.1 | 34 |
| 1160948 | Soil | 0.011 | 12.6 | 0.046 | 13.8 | 0.05 | 0.2 | 2.6 | 0.6 | 18 | <0.2 | 0.8 | 0.069 | <0.1 | 0.4 | 43 | 0.1 | 42 |
| 1073912 | Soil | 0.022 | 13.9 | 0.068 | 8.6 | 0.19 | 0.1 | 8.6 | 1.4 | 28 | 0.2 | 3.4 | 0.116 | 0.1 | 0.8 | 118 | <0.1 | 131 |
| 1073915 | Soil | 0.018 | 10.9 | 0.042 | 8.4 | 0.16 | 0.2 | 3.6 | 1.8 | 21 | <0.2 | 1.2 | 0.045 | <0.1 | 0.7 | 59 | 0.1 | 75 |
| 1073914 | Soil | 0.014 | 16.8 | 0.045 | 12.2 | <0.05 | 0.2 | 5.2 | 1.0 | 23 | <0.2 | 2.8 | 0.076 | <0.1 | 0.6 | 80 | <0.1 | 114 |
| 1073913 | Soil | 0.015 | 11.6 | 0.041 | 13.7 | 0.10 | 0.2 | 3.5 | 1.0 | 18 | <0.2 | 0.6 | 0.046 | <0.1 | 0.5 | 60 | 0.1 | 48 |
| 1073905 | Soil | 0.015 | 20.3 | 0.042 | 4.3 | <0.05 | 0.1 | 4.1 | <0.5 | 19 | <0.2 | 1.1 | 0.166 | 0.2 | 0.3 | 104 | <0.1 | 58 |
| 1073909 | Soil | 0.011 | 39.4 | 0.043 | 16.6 | <0.05 | 0.3 | 11.1 | <0.5 | 37 | <0.2 | 1.6 | 0.032 | <0.1 | 0.4 | 105 | <0.1 | 78 |
| 1160894 | Soil | 0.010 | 19.3 | 0.062 | 10.9 | <0.05 | 0.3 | 3.7 | 0.6 | 19 | <0.2 | 2.0 | 0.070 | <0.1 | 0.7 | 59 | 0.1 | 55 |
| 1160899 | Soil | 0.012 | 10.4 | 0.050 | 15.4 | 0.08 | 0.1 | 3.5 | <0.5 | 16 | <0.2 | 0.9 | 0.111 | 0.1 | 0.6 | 52 | <0.1 | 37 |
| 1073904 | Soil | 0.014 | 14.7 | 0.046 | 5.6 | <0.05 | 0.1 | 3.4 | <0.5 | 17 | <0.2 | 1.0 | 0.081 | <0.1 | 0.5 | 63 | <0.1 | 55 |
| 1073908 | Soil | 0.016 | 20.3 | 0.063 | 7.1 | <0.05 | 0.3 | 10.1 | <0.5 | 28 | <0.2 | 1.4 | 0.057 | 0.2 | 0.6 | 92 | <0.1 | 75 |
| 1160896 | Soil | 0.016 | 21.3 | 0.057 | 6.7 | <0.05 | 0.3 | 5.4 | 0.6 | 28 | <0.2 | 1.9 | 0.103 | <0.1 | 0.7 | 80 | 0.1 | 64 |
| 1160947 | Soil | 0.015 | 16.2 | 0.051 | 16.0 | <0.05 | 0.2 | 3.1 | <0.5 | 20 | <0.2 | 1.9 | 0.096 | <0.1 | 0.4 | 61 | 0.1 | 52 |
| 1073907 | Soil | 0.014 | 16.9 | 0.047 | 5.6 | <0.05 | 0.2 | 4.5 | 0.6 | 17 | <0.2 | 1.0 | 0.122 | 0.1 | 0.6 | 71 | <0.1 | 55 |
| 1160893 | Soil | 0.012 | 24.7 | 0.072 | 25.6 | <0.05 | 0.3 | 4.0 | <0.5 | 22 | <0.2 | 0.7 | 0.045 | 0.1 | 1.1 | 66 | 0.1 | 50 |
| 1160897 | Soil | 0.012 | 19.9 | 0.059 | 6.8 | <0.05 | 0.2 | 4.0 | 0.6 | 21 | <0.2 | 1.8 | 0.106 | <0.1 | 0.6 | 65 | 0.1 | 58 |
| 1160946 | Soil | 0.012 | 15.2 | 0.056 | 16.3 | <0.05 | 0.2 | 3.4 | <0.5 | 25 | <0.2 | 1.3 | 0.077 | 0.1 | 0.5 | 48 | 0.1 | 47 |
| 1073906 | Soil | 0.015 | 22.0 | 0.050 | 5.2 | <0.05 | 0.2 | 4.5 | 0.6 | 18 | <0.2 | 1.5 | 0.134 | 0.2 | 0.5 | 85 | <0.1 | 58 |
| 1160895 | Soil | 0.013 | 14.7 | 0.060 | 6.3 | 0.09 | 0.2 | 3.2 | <0.5 | 22 | <0.2 | 0.9 | 0.093 | <0.1 | 0.5 | 52 | 0.1 | 51 |
| 1160900 | Soil | 0.012 | 15.2 | 0.095 | 24.8 | 0.10 | 0.2 | 5.4 | 0.9 | 29 | <0.2 | 0.6 | 0.056 | <0.1 | 1.7 | 52 | <0.1 | 41 |
| 1160898 | Soil | 0.013 | 19.8 | 0.059 | 9.3 | <0.05 | 0.2 | 4.8 | <0.5 | 21 | <0.2 | 2.2 | 0.137 | <0.1 | 0.7 | 81 | 0.1 | 61 |

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Project: TSL
Report Date: September 01, 2011



# CERTIFICATE OF ANALYSIS DAW11000166.1

| | 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 |
| 1090121 | Soil | 11.8 | 0.3 | 2.26 | 4.6 | 1 | 216 | <0.1 | 0.32 | <0.1 | 14.6 | 38 | 41.9 | 3.53 | 7 | 0.03 | 0.25 | 8 | 1.21 | 451 | 0.9 |
| 1090122 | Soil | 2.9 | 0.1 | 2.07 | 4.8 | <1 | 172 | 0.1 | 0.32 | <0.1 | 15.0 | 34 | 38.0 | 3.42 | 6 | 0.02 | 0.25 | 7 | 1.15 | 351 | 0.6 |
| 1090123 | Soil | 3.5 | <0.1 | 1.86 | 5.0 | 1 | 199 | 0.1 | 0.34 | <0.1 | 10.7 | 32 | 35.5 | 2.53 | 5 | 0.04 | 0.06 | 9 | 0.80 | 221 | 0.5 |
| 1090124 | Soil | 2.1 | <0.1 | 2.46 | 6.3 | 1 | 251 | 0.1 | 0.33 | 0.1 | 18.7 | 36 | 55.5 | 3.11 | 7 | 0.02 | 0.08 | 8 | 1.33 | 351 | 0.6 |
| 1090129 | Soil | 5.3 | 0.1 | 2.16 | 3.8 | 1 | 312 | 0.1 | 0.31 | 0.1 | 12.5 | 34 | 48.5 | 3.29 | 7 | 0.06 | 0.10 | 14 | 0.89 | 277 | 0.8 |
| 1090130 | Soil | 2.4 | 0.1 | 1.90 | 4.1 | 1 | 323 | 0.1 | 0.27 | 0.1 | 12.6 | 29 | 60.7 | 2.89 | 7 | 0.03 | 0.21 | 8 | 0.86 | 344 | 0.9 |
| 1090126 | Soil | 1.5 | 0.2 | 1.79 | 3.6 | 2 | 305 | 0.1 | 0.31 | 0.3 | 11.4 | 16 | 34.5 | 3.21 | 6 | 0.03 | 0.14 | 9 | 0.71 | 335 | 1.3 |
| 1090125 | Soil | 2.6 | <0.1 | 1.48 | 4.4 | 1 | 190 | 0.1 | 0.31 | 0.2 | 10.8 | 24 | 13.4 | 2.34 | 5 | 0.03 | 0.05 | 9 | 0.62 | 297 | 0.6 |
| 1090128 | Soil | 0.6 | <0.1 | 1.67 | 5.6 | 2 | 192 | 0.1 | 0.47 | 0.2 | 13.7 | 30 | 20.9 | 2.82 | 6 | 0.02 | 0.05 | 9 | 0.80 | 579 | 0.8 |
| 1090127 | Soil | 1.6 | 0.1 | 1.57 | 5.3 | 1 | 179 | 0.1 | 0.27 | 0.2 | 10.8 | 22 | 27.4 | 3.14 | 5 | 0.03 | 0.05 | 9 | 0.63 | 433 | 1.0 |
| 1090109 | Soil | 3.3 | 0.1 | 2.02 | 5.7 | 1 | 202 | 0.2 | 0.37 | <0.1 | 14.7 | 30 | 52.6 | 2.97 | 6 | 0.02 | 0.13 | 9 | 0.85 | 467 | 0.8 |
| 1090105 | Soil | 7.6 | 0.1 | 2.06 | 5.2 | 2 | 490 | 0.1 | 0.67 | 0.2 | 16.9 | 30 | 59.2 | 4.05 | 7 | 0.04 | 0.08 | 15 | 0.92 | 913 | 0.9 |
| 1090104 | Soil | 0.6 | <0.1 | 2.58 | 5.2 | 1 | 185 | 0.1 | 0.40 | <0.1 | 21.7 | 18 | 32.3 | 5.21 | 11 | 0.02 | 0.46 | 5 | 1.68 | 508 | 1.0 |
| 1090103 | Soil | <0.5 | <0.1 | 2.85 | 5.2 | 1 | 194 | <0.1 | 0.42 | <0.1 | 23.3 | 17 | 31.9 | 5.69 | 11 | 0.01 | 0.53 | 5 | 1.89 | 544 | 0.9 |
| 1090107 | Soil | 2.7 | <0.1 | 2.05 | 8.8 | 2 | 190 | 0.2 | 0.22 | 0.2 | 13.1 | 32 | 32.9 | 3.64 | 6 | 0.02 | 0.14 | 10 | 0.74 | 477 | 1.0 |
| 1090108 | Soil | 0.9 | 0.2 | 2.28 | 28.9 | <1 | 164 | 0.3 | 0.22 | 0.2 | 11.9 | 30 | 51.6 | 3.93 | 8 | 0.04 | 0.12 | 8 | 0.69 | 320 | 2.2 |
| 1090101 | Soil | 2.2 | <0.1 | 2.21 | 9.8 | 1 | 328 | 0.1 | 0.37 | <0.1 | 13.4 | 37 | 46.0 | 3.60 | 6 | 0.02 | 0.17 | 11 | 1.07 | 474 | 1.0 |
| 1090116 | Soil | 1.4 | 0.1 | 2.03 | 3.3 | 1 | 210 | 0.1 | 0.28 | 0.1 | 10.5 | 27 | 31.5 | 2.66 | 7 | 0.03 | 0.08 | 7 | 0.84 | 180 | 0.6 |
| 1090119 | Soil | 2.3 | <0.1 | 1.94 | 4.8 | 1 | 115 | 0.1 | 0.26 | <0.1 | 11.4 | 40 | 33.0 | 2.82 | 6 | 0.02 | 0.08 | 7 | 0.98 | 259 | 0.8 |
| 1090112 | Soil | 6.2 | <0.1 | 1.71 | 4.9 | 1 | 150 | 0.1 | 0.29 | 0.1 | 8.0 | 26 | 21.0 | 2.13 | 5 | 0.03 | 0.05 | 8 | 0.66 | 161 | 0.3 |
| 1090102 | Soil | 1.5 | 0.1 | 1.98 | 6.9 | 1 | 355 | 0.2 | 0.26 | 0.1 | 12.0 | 38 | 55.4 | 3.32 | 7 | 0.02 | 0.12 | 10 | 0.88 | 360 | 1.0 |
| 1090114 | Soil | 1.1 | <0.1 | 1.61 | 4.1 | <1 | 150 | 0.1 | 0.27 | <0.1 | 6.0 | 25 | 16.2 | 2.07 | 5 | 0.03 | 0.04 | 7 | 0.52 | 118 | 0.2 |
| 1090120 | Soil | 2.6 | 0.3 | 1.76 | 1.5 | <1 | 189 | 0.1 | 0.29 | <0.1 | 8.5 | 45 | 56.9 | 2.39 | 5 | 0.04 | 0.30 | 5 | 1.08 | 199 | 0.8 |
| 1090118 | Soil | 2.7 | <0.1 | 2.61 | 2.7 | <1 | 159 | <0.1 | 0.56 | <0.1 | 22.6 | 16 | 90.2 | 4.34 | 8 | 0.01 | 0.29 | 3 | 1.57 | 461 | 0.5 |
| 1090106 | Soil | 3.4 | 0.1 | 2.05 | 6.7 | 2 | 288 | 0.1 | 0.34 | <0.1 | 11.8 | 38 | 43.6 | 3.19 | 6 | 0.04 | 0.12 | 11 | 0.86 | 348 | 0.7 |
| 1090113 | Soil | 2.5 | <0.1 | 1.48 | 3.4 | <1 | 127 | 0.1 | 0.28 | <0.1 | 5.8 | 22 | 18.3 | 1.87 | 5 | 0.04 | 0.05 | 6 | 0.59 | 127 | 0.4 |
| 1090111 | Soil | 1.3 | <0.1 | 1.53 | 4.5 | <1 | 149 | 0.1 | 0.36 | 0.1 | 11.1 | 24 | 25.7 | 2.45 | 5 | 0.03 | 0.08 | 7 | 0.74 | 331 | 0.5 |
| 1090117 | Soil | 2.6 | <0.1 | 1.95 | 5.8 | <1 | 149 | 0.1 | 0.25 | <0.1 | 10.2 | 29 | 28.5 | 2.80 | 7 | 0.02 | 0.06 | 7 | 0.66 | 221 | 0.7 |
| 1090110 | Soil | 3.6 | <0.1 | 1.55 | 5.1 | 1 | 160 | 0.1 | 0.41 | 0.1 | 12.1 | 26 | 33.5 | 2.67 | 5 | 0.02 | 0.09 | 8 | 0.78 | 346 | 0.6 |
| 1090115 | Soil | 1.3 | <0.1 | 1.50 | 4.4 | <1 | 135 | <0.1 | 0.26 | <0.1 | 8.9 | 24 | 16.2 | 2.30 | 5 | 0.02 | 0.04 | 6 | 0.60 | 328 | 0.6 |

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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# CERTIFICATE OF ANALYSIS DAW11000166.1

| | 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 |
| 1090121 | Soil | 0.014 | 19.9 | 0.045 | 5.5 | <0.05 | 0.3 | 6.3 | 0.6 | 19 | <0.2 | 1.7 | 0.133 | 0.1 | 0.5 | 103 | <0.1 | 66 |
| 1090122 | Soil | 0.014 | 22.8 | 0.045 | 5.0 | <0.05 | 0.3 | 3.9 | <0.5 | 19 | <0.2 | 1.8 | 0.169 | 0.2 | 0.4 | 96 | 0.1 | 62 |
| 1090123 | Soil | 0.016 | 19.6 | 0.053 | 6.3 | <0.05 | 0.3 | 3.7 | <0.5 | 21 | <0.2 | 2.0 | 0.110 | <0.1 | 0.6 | 67 | 0.1 | 58 |
| 1090124 | Soil | 0.013 | 30.8 | 0.040 | 8.6 | <0.05 | 0.3 | 3.8 | <0.5 | 26 | <0.2 | 2.1 | 0.104 | <0.1 | 0.4 | 79 | <0.1 | 89 |
| 1090129 | Soil | 0.012 | 19.8 | 0.049 | 9.9 | <0.05 | 0.2 | 11.7 | 1.1 | 22 | <0.2 | 2.3 | 0.073 | 0.1 | 1.1 | 82 | <0.1 | 72 |
| 1090130 | Soil | 0.016 | 14.9 | 0.046 | 9.7 | 0.09 | 0.2 | 5.2 | 1.0 | 22 | <0.2 | 1.4 | 0.088 | <0.1 | 0.7 | 80 | <0.1 | 77 |
| 1090126 | Soil | 0.028 | 11.2 | 0.039 | 13.2 | 0.22 | 0.2 | 6.3 | 1.6 | 24 | <0.2 | 2.0 | 0.029 | <0.1 | 0.7 | 81 | <0.1 | 80 |
| 1090125 | Soil | 0.013 | 14.2 | 0.047 | 7.7 | <0.05 | 0.2 | 3.6 | <0.5 | 19 | <0.2 | 1.7 | 0.051 | <0.1 | 0.4 | 65 | 0.2 | 64 |
| 1090128 | Soil | 0.015 | 16.8 | 0.059 | 10.3 | <0.05 | 0.2 | 4.0 | <0.5 | 23 | <0.2 | 2.3 | 0.073 | <0.1 | 0.5 | 75 | 0.2 | 76 |
| 1090127 | Soil | 0.014 | 12.6 | 0.051 | 8.1 | <0.05 | 0.3 | 4.0 | 0.6 | 17 | <0.2 | 1.6 | 0.054 | <0.1 | 0.5 | 71 | 0.1 | 72 |
| 1090109 | Soil | 0.017 | 21.6 | 0.061 | 21.8 | <0.05 | 0.3 | 4.0 | <0.5 | 23 | <0.2 | 2.3 | 0.139 | <0.1 | 0.6 | 87 | 0.1 | 64 |
| 1090105 | Soil | 0.016 | 20.1 | 0.071 | 8.1 | 0.05 | 0.3 | 9.8 | <0.5 | 29 | <0.2 | 1.7 | 0.069 | <0.1 | 0.7 | 97 | 0.1 | 73 |
| 1090104 | Soil | 0.019 | 12.9 | 0.109 | 5.4 | <0.05 | 0.3 | 4.1 | <0.5 | 17 | <0.2 | 1.2 | 0.165 | <0.1 | 0.3 | 132 | <0.1 | 82 |
| 1090103 | Soil | 0.020 | 13.2 | 0.112 | 5.0 | <0.05 | 0.2 | 4.3 | <0.5 | 16 | <0.2 | 1.2 | 0.178 | <0.1 | 0.3 | 140 | <0.1 | 89 |
| 1090107 | Soil | 0.011 | 18.5 | 0.054 | 8.6 | <0.05 | 0.4 | 3.1 | <0.5 | 17 | <0.2 | 2.7 | 0.117 | 0.1 | 0.7 | 86 | 0.2 | 63 |
| 1090108 | Soil | 0.013 | 18.2 | 0.042 | 38.4 | <0.05 | 0.4 | 3.6 | <0.5 | 19 | <0.2 | 2.2 | 0.131 | <0.1 | 0.6 | 108 | 0.1 | 61 |
| 1090101 | Soil | 0.017 | 24.0 | 0.046 | 7.2 | <0.05 | 0.4 | 6.2 | <0.5 | 26 | <0.2 | 2.6 | 0.093 | <0.1 | 0.8 | 88 | 0.1 | 75 |
| 1090116 | Soil | 0.016 | 15.7 | 0.051 | 6.7 | <0.05 | 0.2 | 4.0 | <0.5 | 19 | <0.2 | 1.2 | 0.082 | <0.1 | 0.5 | 72 | <0.1 | 66 |
| 1090119 | Soil | 0.014 | 19.2 | 0.021 | 6.1 | <0.05 | 0.3 | 2.5 | <0.5 | 17 | <0.2 | 2.1 | 0.127 | 0.1 | 0.4 | 80 | <0.1 | 50 |
| 1090112 | Soil | 0.016 | 15.5 | 0.039 | 13.2 | <0.05 | 0.3 | 3.2 | <0.5 | 20 | <0.2 | 2.0 | 0.080 | <0.1 | 0.5 | 60 | 0.1 | 55 |
| 1090102 | Soil | 0.012 | 19.7 | 0.047 | 7.9 | <0.05 | 0.3 | 3.7 | <0.5 | 25 | <0.2 | 2.1 | 0.115 | <0.1 | 0.7 | 96 | <0.1 | 51 |
| 1090114 | Soil | 0.014 | 13.7 | 0.047 | 6.7 | <0.05 | 0.2 | 2.6 | <0.5 | 21 | <0.2 | 1.2 | 0.057 | <0.1 | 0.5 | 50 | 0.1 | 48 |
| 1090120 | Soil | 0.017 | 17.8 | 0.045 | 4.2 | 0.09 | 0.1 | 3.0 | 0.6 | 21 | <0.2 | 0.3 | 0.077 | 0.1 | 0.7 | 74 | <0.1 | 39 |
| 1090118 | Soil | 0.022 | 11.8 | 0.097 | 3.3 | <0.05 | 0.1 | 3.1 | <0.5 | 20 | <0.2 | 0.7 | 0.159 | <0.1 | 0.2 | 128 | <0.1 | 82 |
| 1090106 | Soil | 0.014 | 21.4 | 0.071 | 7.1 | <0.05 | 0.4 | 4.1 | <0.5 | 22 | <0.2 | 2.3 | 0.095 | <0.1 | 0.8 | 82 | <0.1 | 63 |
| 1090113 | Soil | 0.014 | 12.0 | 0.044 | 6.9 | <0.05 | 0.2 | 2.9 | <0.5 | 20 | <0.2 | 1.3 | 0.069 | <0.1 | 0.4 | 49 | 0.1 | 48 |
| 1090111 | Soil | 0.017 | 15.5 | 0.066 | 7.9 | <0.05 | 0.2 | 2.8 | <0.5 | 24 | <0.2 | 2.1 | 0.095 | <0.1 | 0.4 | 69 | 0.1 | 57 |
| 1090117 | Soil | 0.014 | 15.8 | 0.032 | 6.4 | <0.05 | 0.2 | 2.9 | <0.5 | 18 | <0.2 | 1.9 | 0.102 | 0.1 | 0.4 | 80 | <0.1 | 51 |
| 1090110 | Soil | 0.019 | 17.2 | 0.071 | 12.2 | <0.05 | 0.2 | 2.9 | <0.5 | 25 | <0.2 | 2.2 | 0.107 | <0.1 | 0.5 | 79 | 0.2 | 62 |
| 1090115 | Soil | 0.014 | 12.8 | 0.050 | 6.8 | <0.05 | 0.2 | 2.7 | <0.5 | 18 | <0.2 | 1.0 | 0.058 | <0.1 | 0.4 | 71 | 0.1 | 49 |

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Project: TSL
Report Date: September 01, 2011



# QUALITY CONTROL REPORT DAW11000166.1

| | 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 | | | | | | | | | | | | | | | | | | | | | |
| 1073995 | Soil | 3.2 | 0.1 | 1.52 | 4.3 | 1 | 167 | 0.1 | 0.21 | 0.1 | 8.2 | 26 | 32.7 | 2.28 | 6 | 0.04 | 0.06 | 6 | 0.67 | 168 | 0.7 |
| REP 1073995 | QC | 2.2 | 0.1 | 1.46 | 4.3 | 1 | 163 | 0.1 | 0.20 | 0.1 | 7.9 | 25 | 31.3 | 2.23 | 6 | 0.03 | 0.05 | 6 | 0.64 | 160 | 0.6 |
| 1089148 | Soil | 3.4 | 0.2 | 0.96 | 5.3 | 2 | 81 | 0.2 | 0.12 | 0.1 | 4.4 | 16 | 40.9 | 1.56 | 4 | 0.04 | 0.05 | 5 | 0.29 | 110 | 1.0 |
| REP 1089148 | QC | 1.4 | 0.2 | 0.96 | 5.9 | 1 | 82 | 0.2 | 0.12 | 0.1 | 4.3 | 16 | 41.1 | 1.55 | 4 | 0.04 | 0.05 | 5 | 0.29 | 109 | 1.0 |
| 1090008 | Soil | <0.5 | <0.1 | 1.51 | 4.8 | 1 | 186 | <0.1 | 0.42 | 0.1 | 10.3 | 28 | 57.6 | 2.55 | 5 | 0.02 | 0.08 | 9 | 0.69 | 282 | 0.5 |
| REP 1090008 | QC | 4.6 | <0.1 | 1.56 | 4.8 | <1 | 187 | <0.1 | 0.43 | 0.2 | 10.2 | 29 | 58.6 | 2.60 | 5 | 0.01 | 0.08 | 9 | 0.72 | 291 | 0.6 |
| 1073936 | Soil | 2.0 | 0.1 | 1.71 | 4.4 | <1 | 130 | 0.1 | 0.25 | 0.2 | 11.2 | 27 | 29.7 | 2.70 | 7 | 0.03 | 0.09 | 5 | 0.85 | 253 | 0.6 |
| REP 1073936 | QC | 1.4 | 0.1 | 1.71 | 4.3 | <1 | 129 | 0.1 | 0.24 | 0.1 | 11.4 | 27 | 29.1 | 2.70 | 6 | 0.02 | 0.09 | 6 | 0.85 | 249 | 0.5 |
| 1073929 | Soil | <0.5 | 0.3 | 1.94 | 42.2 | 1 | 271 | 0.2 | 0.28 | 0.1 | 14.4 | 26 | 51.2 | 3.43 | 7 | 0.02 | 0.31 | 7 | 1.09 | 359 | 0.7 |
| REP 1073929 | QC | <0.5 | 0.3 | 1.98 | 42.2 | <1 | 274 | 0.2 | 0.29 | 0.1 | 14.3 | 26 | 52.2 | 3.46 | 7 | 0.03 | 0.31 | 7 | 1.09 | 358 | 0.7 |
| 1089279 | Soil | 5.2 | 0.1 | 1.85 | 4.7 | 2 | 206 | 0.1 | 0.38 | 0.1 | 11.5 | 29 | 50.9 | 2.66 | 6 | 0.03 | 0.08 | 10 | 0.80 | 247 | 0.7 |
| REP 1089279 | QC | 6.9 | 0.1 | 1.81 | 4.2 | 2 | 196 | 0.1 | 0.36 | 0.1 | 11.1 | 27 | 48.1 | 2.56 | 6 | 0.04 | 0.08 | 10 | 0.78 | 236 | 0.6 |
| 1090063 | Soil | 3.8 | 0.1 | 1.76 | 4.7 | 1 | 176 | 0.1 | 0.27 | 0.1 | 8.0 | 28 | 22.1 | 2.32 | 5 | 0.03 | 0.04 | 9 | 0.59 | 171 | 0.5 |
| REP 1090063 | QC | 2.6 | 0.1 | 1.79 | 4.8 | 1 | 185 | 0.1 | 0.30 | 0.1 | 8.3 | 28 | 21.7 | 2.39 | 5 | 0.03 | 0.05 | 9 | 0.61 | 177 | 0.6 |
| 1090069 | Soil | 1.6 | <0.1 | 2.12 | 4.7 | 1 | 101 | <0.1 | 0.29 | <0.1 | 12.7 | 38 | 34.2 | 3.04 | 6 | 0.01 | 0.21 | 5 | 1.26 | 282 | 0.6 |
| REP 1090069 | QC | 1.9 | <0.1 | 2.08 | 4.8 | 1 | 99 | <0.1 | 0.29 | <0.1 | 12.5 | 37 | 35.3 | 3.03 | 6 | 0.01 | 0.21 | 5 | 1.27 | 262 | 0.7 |
| 1073973 | Soil | 4.8 | 0.4 | 2.17 | 3.0 | 1 | 322 | 0.1 | 0.33 | 0.3 | 16.2 | 31 | 83.2 | 3.91 | 9 | 0.02 | 0.23 | 7 | 1.36 | 656 | 1.2 |
| REP 1073973 | QC | 2.0 | 0.4 | 2.15 | 2.7 | 1 | 327 | 0.1 | 0.32 | 0.2 | 16.2 | 30 | 81.7 | 3.91 | 9 | 0.02 | 0.22 | 7 | 1.37 | 653 | 1.3 |
| 1073952 | Soil | 3.2 | 0.1 | 2.10 | 4.6 | 1 | 360 | 0.1 | 0.52 | 0.2 | 15.1 | 37 | 40.2 | 3.07 | 6 | 0.06 | 0.05 | 11 | 0.90 | 563 | 0.4 |
| REP 1073952 | QC | 1.3 | 0.1 | 2.09 | 5.2 | 1 | 367 | 0.1 | 0.52 | 0.2 | 15.4 | 37 | 40.7 | 3.20 | 7 | 0.05 | 0.05 | 12 | 0.91 | 581 | 0.4 |
| 1090085 | Soil | 4.6 | <0.1 | 1.87 | 7.2 | 1 | 282 | <0.1 | 0.42 | <0.1 | 12.0 | 55 | 36.5 | 2.78 | 6 | 0.03 | 0.19 | 9 | 0.90 | 244 | 0.5 |
| REP 1090085 | QC | 1.5 | <0.1 | 1.85 | 7.1 | <1 | 285 | <0.1 | 0.42 | <0.1 | 12.1 | 55 | 36.4 | 2.83 | 6 | 0.04 | 0.19 | 8 | 0.90 | 241 | 0.4 |
| 1090140 | Soil | 1.0 | <0.1 | 2.98 | 4.4 | <1 | 356 | <0.1 | 0.46 | <0.1 | 15.7 | 26 | 40.3 | 4.58 | 11 | 0.01 | 0.53 | 10 | 1.90 | 494 | 0.6 |
| REP 1090140 | QC | 3.4 | <0.1 | 3.05 | 4.4 | <1 | 362 | <0.1 | 0.46 | <0.1 | 15.9 | 26 | 40.2 | 4.76 | 12 | 0.01 | 0.54 | 10 | 1.95 | 509 | 0.7 |
| 1073902 | Soil | 2.7 | <0.1 | 1.40 | 3.2 | 1 | 120 | 0.1 | 0.22 | <0.1 | 7.7 | 21 | 18.5 | 1.89 | 5 | 0.03 | 0.07 | 6 | 0.65 | 162 | 0.4 |
| REP 1073902 | QC | 2.1 | <0.1 | 1.42 | 3.1 | <1 | 122 | <0.1 | 0.23 | <0.1 | 7.8 | 23 | 19.0 | 2.01 | 5 | 0.03 | 0.07 | 6 | 0.66 | 161 | 0.4 |
| 1090126 | Soil | 1.5 | 0.2 | 1.79 | 3.6 | 2 | 305 | 0.1 | 0.31 | 0.3 | 11.4 | 16 | 34.5 | 3.21 | 6 | 0.03 | 0.14 | 9 | 0.71 | 335 | 1.3 |
| REP 1090126 | QC | 1.7 | 0.2 | 1.91 | 3.5 | <1 | 320 | 0.1 | 0.32 | 0.4 | 11.1 | 16 | 35.5 | 3.18 | 6 | 0.03 | 0.15 | 9 | 0.76 | 335 | 1.3 |

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Project: TSL
Report Date: September 01, 2011



# QUALITY CONTROL REPORT DAW11000166.1

| | 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 | | | | | | | | | | | | | | | | | | |
| 1073995 | Soil | 0.014 | 14.3 | 0.029 | 6.4 | <0.05 | 0.2 | 2.8 | <0.5 | 17 | <0.2 | 1.4 | 0.106 | <0.1 | 0.4 | 59 | 0.1 | 47 |
| REP 1073995 | QC | 0.014 | 14.0 | 0.028 | 6.2 | <0.05 | 0.2 | 2.6 | <0.5 | 17 | <0.2 | 1.4 | 0.103 | <0.1 | 0.4 | 56 | 0.1 | 46 |
| 1089148 | Soil | 0.019 | 9.7 | 0.046 | 18.2 | <0.05 | 0.3 | 1.7 | 0.5 | 16 | <0.2 | 0.2 | 0.062 | <0.1 | 0.4 | 42 | 0.1 | 34 |
| REP 1089148 | QC | 0.018 | 8.9 | 0.047 | 18.2 | <0.05 | 0.3 | 1.8 | <0.5 | 16 | <0.2 | 0.2 | 0.063 | <0.1 | 0.4 | 44 | <0.1 | 32 |
| 1090008 | Soil | 0.019 | 19.3 | 0.070 | 5.3 | <0.05 | 0.2 | 3.7 | <0.5 | 25 | <0.2 | 2.5 | 0.102 | <0.1 | 0.5 | 69 | 0.1 | 55 |
| REP 1090008 | QC | 0.020 | 20.9 | 0.072 | 5.6 | <0.05 | 0.2 | 3.7 | <0.5 | 25 | <0.2 | 2.4 | 0.106 | <0.1 | 0.5 | 70 | 0.2 | 56 |
| 1073936 | Soil | 0.012 | 13.4 | 0.067 | 6.7 | <0.05 | 0.1 | 2.9 | <0.5 | 15 | <0.2 | 1.0 | 0.096 | <0.1 | 0.4 | 75 | 0.1 | 66 |
| REP 1073936 | QC | 0.012 | 13.3 | 0.068 | 6.9 | <0.05 | 0.1 | 2.7 | <0.5 | 15 | <0.2 | 1.0 | 0.096 | <0.1 | 0.4 | 74 | <0.1 | 65 |
| 1073929 | Soil | 0.018 | 14.5 | 0.052 | 23.9 | 0.07 | 0.2 | 3.9 | <0.5 | 23 | <0.2 | 1.6 | 0.137 | 0.2 | 0.4 | 101 | <0.1 | 88 |
| REP 1073929 | QC | 0.020 | 14.2 | 0.051 | 24.2 | 0.06 | 0.2 | 3.8 | <0.5 | 24 | <0.2 | 1.7 | 0.142 | 0.2 | 0.4 | 103 | <0.1 | 91 |
| 1089279 | Soil | 0.016 | 18.9 | 0.070 | 6.8 | <0.05 | 0.3 | 4.4 | <0.5 | 21 | <0.2 | 2.1 | 0.096 | <0.1 | 0.7 | 67 | 0.2 | 63 |
| REP 1089279 | QC | 0.015 | 18.0 | 0.068 | 6.5 | <0.05 | 0.2 | 4.1 | <0.5 | 20 | <0.2 | 2.1 | 0.091 | <0.1 | 0.7 | 63 | 0.1 | 60 |
| 1090063 | Soil | 0.015 | 15.8 | 0.054 | 7.3 | <0.05 | 0.2 | 3.3 | <0.5 | 20 | <0.2 | 1.6 | 0.074 | <0.1 | 0.5 | 62 | 0.1 | 54 |
| REP 1090063 | QC | 0.015 | 15.8 | 0.055 | 7.5 | <0.05 | 0.2 | 3.6 | <0.5 | 21 | <0.2 | 1.6 | 0.079 | <0.1 | 0.5 | 63 | 0.2 | 55 |
| 1090069 | Soil | 0.013 | 18.4 | 0.025 | 5.8 | <0.05 | 0.2 | 2.6 | <0.5 | 15 | <0.2 | 1.4 | 0.148 | <0.1 | 0.3 | 91 | <0.1 | 50 |
| REP 1090069 | QC | 0.012 | 18.5 | 0.024 | 5.8 | <0.05 | 0.2 | 2.6 | <0.5 | 15 | <0.2 | 1.4 | 0.148 | <0.1 | 0.3 | 90 | 0.1 | 50 |
| 1073973 | Soil | 0.021 | 15.3 | 0.061 | 12.5 | 0.10 | 0.2 | 7.2 | <0.5 | 27 | <0.2 | 1.0 | 0.092 | <0.1 | 0.6 | 121 | <0.1 | 109 |
| REP 1073973 | QC | 0.021 | 13.8 | 0.062 | 12.4 | 0.10 | 0.2 | 7.0 | 0.5 | 27 | <0.2 | 1.0 | 0.089 | <0.1 | 0.6 | 119 | <0.1 | 108 |
| 1073952 | Soil | 0.021 | 23.3 | 0.059 | 7.4 | <0.05 | 0.4 | 6.2 | <0.5 | 28 | <0.2 | 2.6 | 0.103 | <0.1 | 0.8 | 83 | 0.1 | 68 |
| REP 1073952 | QC | 0.021 | 22.5 | 0.057 | 7.3 | <0.05 | 0.3 | 6.2 | 0.5 | 29 | <0.2 | 2.5 | 0.105 | <0.1 | 0.7 | 83 | 0.1 | 70 |
| 1090085 | Soil | 0.020 | 21.7 | 0.070 | 5.7 | <0.05 | 0.5 | 4.6 | <0.5 | 25 | <0.2 | 1.8 | 0.127 | <0.1 | 0.7 | 73 | 0.1 | 57 |
| REP 1090085 | QC | 0.019 | 21.7 | 0.070 | 5.6 | <0.05 | 0.4 | 4.6 | <0.5 | 24 | <0.2 | 1.9 | 0.126 | 0.1 | 0.6 | 72 | <0.1 | 55 |
| 1090140 | Soil | 0.016 | 15.4 | 0.058 | 5.6 | <0.05 | 0.2 | 11.1 | <0.5 | 25 | <0.2 | 2.4 | 0.228 | 0.2 | 0.5 | 124 | <0.1 | 87 |
| REP 1090140 | QC | 0.017 | 15.9 | 0.057 | 5.6 | <0.05 | 0.2 | 10.9 | <0.5 | 26 | <0.2 | 2.4 | 0.230 | 0.2 | 0.6 | 126 | <0.1 | 87 |
| 1073902 | Soil | 0.012 | 12.3 | 0.043 | 5.1 | <0.05 | 0.1 | 2.7 | 0.6 | 16 | <0.2 | 0.8 | 0.087 | <0.1 | 0.4 | 52 | 0.1 | 50 |
| REP 1073902 | QC | 0.012 | 13.1 | 0.046 | 5.1 | 0.06 | 0.1 | 2.8 | <0.5 | 16 | <0.2 | 0.8 | 0.090 | <0.1 | 0.4 | 55 | <0.1 | 50 |
| 1090126 | Soil | 0.028 | 11.2 | 0.039 | 13.2 | 0.22 | 0.2 | 6.3 | 1.6 | 24 | <0.2 | 2.0 | 0.029 | <0.1 | 0.7 | 81 | <0.1 | 80 |
| REP 1090126 | QC | 0.030 | 11.1 | 0.041 | 13.4 | 0.22 | 0.1 | 6.0 | 1.4 | 25 | <0.2 | 2.0 | 0.029 | <0.1 | 0.7 | 82 | <0.1 | 82 |

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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Vancouver BC V6C 3E8 Canada

Project: TSL
Report Date: September 01, 2011



# QUALITY CONTROL REPORT DAW11000166.1

| | | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Au | Ag | Al | As | B | Ba | Bi | Ca | Cd | Co | Cr | Cu | Fe | Ga | Hg | K | La | Mg | Mn | Mo |
| | | ppb | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | % | ppm | ppm |
| | | 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 |
| 1090102 | Soil | 1.5 | 0.1 | 1.98 | 6.9 | 1 | 355 | 0.2 | 0.26 | 0.1 | 12.0 | 38 | 55.4 | 3.32 | 7 | 0.02 | 0.12 | 10 | 0.88 | 360 | 1.0 |
| REP 1090102 | QC | 3.6 | 0.2 | 2.04 | 7.1 | 1 | 363 | 0.1 | 0.27 | 0.1 | 12.3 | 39 | 56.6 | 3.34 | 7 | 0.03 | 0.12 | 10 | 0.91 | 358 | 1.2 |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | |
| STD DS8 | Standard | 99.4 | 1.7 | 0.92 | 24.7 | 2 | 280 | 6.3 | 0.68 | 2.3 | 7.5 | 119 | 109.8 | 2.46 | 5 | 0.18 | 0.39 | 15 | 0.62 | 603 | 13.4 |
| STD DS8 | Standard | 114.2 | 1.9 | 0.88 | 25.8 | 3 | 274 | 6.9 | 0.67 | 2.4 | 7.6 | 118 | 115.0 | 2.54 | 5 | 0.22 | 0.42 | 13 | 0.62 | 621 | 12.7 |
| STD DS8 | Standard | 109.8 | 1.8 | 0.84 | 23.3 | 2 | 252 | 6.1 | 0.67 | 2.4 | 7.6 | 115 | 109.0 | 2.30 | 4 | 0.16 | 0.38 | 14 | 0.60 | 588 | 13.1 |
| STD DS8 | Standard | 109.0 | 1.7 | 0.88 | 23.4 | 3 | 267 | 6.5 | 0.67 | 2.4 | 7.3 | 115 | 106.3 | 2.42 | 5 | 0.20 | 0.41 | 14 | 0.61 | 592 | 13.0 |
| STD DS8 | Standard | 107.7 | 1.7 | 0.87 | 23.6 | 2 | 263 | 6.3 | 0.66 | 2.3 | 7.2 | 111 | 103.9 | 2.34 | 5 | 0.19 | 0.39 | 14 | 0.58 | 574 | 12.5 |
| STD DS8 | Standard | 111.7 | 1.8 | 0.93 | 25.0 | 3 | 287 | 6.6 | 0.72 | 2.3 | 7.5 | 119 | 109.1 | 2.47 | 5 | 0.19 | 0.42 | 15 | 0.61 | 617 | 13.2 |
| STD DS8 | Standard | 113.2 | 1.8 | 0.90 | 25.6 | 3 | 258 | 6.8 | 0.68 | 2.2 | 7.4 | 117 | 112.3 | 2.49 | 4 | 0.22 | 0.42 | 13 | 0.62 | 608 | 12.3 |
| STD DS8 | Standard | 118.4 | 1.8 | 0.94 | 24.9 | 3 | 285 | 6.6 | 0.72 | 2.4 | 8.3 | 125 | 117.5 | 2.55 | 5 | 0.19 | 0.42 | 15 | 0.62 | 623 | 14.1 |
| STD DS8 | Standard | 110.4 | 1.9 | 0.94 | 25.7 | 2 | 288 | 6.7 | 0.72 | 2.3 | 8.0 | 128 | 113.4 | 2.58 | 5 | 0.20 | 0.42 | 17 | 0.64 | 641 | 13.9 |
| 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 | <0.01 | <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 |
| 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 |

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: September 01, 2011



# QUALITY CONTROL REPORT DAW11000166.1

| | | 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 |
| 1090102 | Soil | 0.012 | 19.7 | 0.047 | 7.9 | <0.05 | 0.3 | 3.7 | <0.5 | 25 | <0.2 | 2.1 | 0.115 | <0.1 | 0.7 | 96 | <0.1 | 51 |
| REP 1090102 | QC | 0.013 | 20.4 | 0.048 | 7.9 | <0.05 | 0.4 | 3.9 | <0.5 | 27 | <0.2 | 2.1 | 0.121 | 0.1 | 0.7 | 98 | 0.1 | 53 |
| Reference Materials | | | | | | | | | | | | | | | | | | |
| STD DS8 | Standard | 0.091 | 38.3 | 0.081 | 117.6 | 0.16 | 5.7 | 1.9 | 4.7 | 61 | 5.0 | 6.8 | 0.106 | 5.2 | 2.6 | 43 | 2.8 | 306 |
| STD DS8 | Standard | 0.083 | 38.0 | 0.086 | 127.4 | 0.12 | 5.9 | 2.2 | 5.8 | 65 | 5.1 | 6.3 | 0.110 | 5.5 | 2.6 | 41 | 3.1 | 321 |
| STD DS8 | Standard | 0.086 | 38.9 | 0.077 | 116.5 | 0.16 | 5.1 | 2.3 | 5.4 | 61 | 5.0 | 6.2 | 0.114 | 5.2 | 2.6 | 42 | 2.8 | 296 |
| STD DS8 | Standard | 0.087 | 37.3 | 0.076 | 121.0 | 0.12 | 5.2 | 2.1 | 4.5 | 59 | 4.7 | 6.4 | 0.099 | 5.4 | 2.5 | 41 | 2.7 | 305 |
| STD DS8 | Standard | 0.084 | 35.4 | 0.078 | 119.9 | 0.10 | 5.0 | 2.2 | 5.1 | 58 | 4.5 | 6.2 | 0.101 | 5.2 | 2.5 | 41 | 2.7 | 298 |
| STD DS8 | Standard | 0.091 | 38.0 | 0.078 | 125.4 | 0.11 | 5.5 | 2.4 | 5.1 | 64 | 5.0 | 6.8 | 0.112 | 5.5 | 2.6 | 43 | 3.0 | 309 |
| STD DS8 | Standard | 0.087 | 38.3 | 0.080 | 125.4 | 0.11 | 5.4 | 2.1 | 5.0 | 60 | 4.6 | 6.1 | 0.101 | 5.5 | 2.4 | 42 | 2.7 | 311 |
| STD DS8 | Standard | 0.099 | 40.5 | 0.077 | 127.5 | 0.09 | 5.5 | 2.6 | 5.8 | 63 | 5.1 | 7.0 | 0.115 | 5.5 | 2.8 | 46 | 3.0 | 321 |
| STD DS8 | Standard | 0.089 | 40.3 | 0.083 | 123.1 | 0.17 | 5.6 | 2.3 | 5.6 | 65 | 4.8 | 6.8 | 0.119 | 5.5 | 2.7 | 46 | 3.0 | 326 |
| 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 |
| 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 |

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.