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 03, 2011 |
| Report Date: | August 21, 2011 |
| Page: | 1 of 6 |

# CERTIFICATE OF ANALYSIS DAW11000141.1

## CLIENT JOB INFORMATION

| | |
|---|---|
| Project: | TSL |
| Shipment ID: | TSL2011-04 |
| P.O. Number | |
| Number of Samples: | 138 |

## SAMPLE DISPOSAL

| | |
|---|---|
| DISP-PLP | Dispose of Pulp After 90 days |
| DISP-RJT | Dispose of Reject After 90 days |

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 | 138 | Dry at 60C sieve 100g to -80 mesh | | | WHI |
| Dry at 60C | 138 | Dry at 60C | | | WHI |
| 1DX2 | 138 | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15 | Completed | VAN |

## ADDITIONAL COMMENTS

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

CC: Jean-Pierre Londero

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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Project: TSL
Report Date: August 21, 2011



# CERTIFICATE OF ANALYSIS DAW11000141.1

| | 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 |
| 1167517 | Soil | <0.5 | <0.1 | 1.91 | 1.8 | 1 | 347 | <0.1 | 0.44 | 0.1 | 13.6 | 27 | 30.5 | 2.71 | 7 | 0.02 | 0.62 | 4 | 1.46 | 386 | 0.7 |
| 1167518 | Soil | 4.5 | 0.1 | 1.60 | 2.8 | 2 | 205 | <0.1 | 0.38 | <0.1 | 10.4 | 24 | 32.7 | 2.29 | 5 | 0.02 | 0.28 | 5 | 0.93 | 297 | 0.5 |
| 1167516 | Soil | 1.9 | <0.1 | 1.14 | 4.0 | 1 | 88 | 0.1 | 0.12 | <0.1 | 6.0 | 17 | 13.6 | 2.21 | 7 | 0.01 | 0.07 | 4 | 0.48 | 226 | 0.9 |
| 1167519 | Soil | 1.7 | 0.2 | 1.38 | 3.5 | 2 | 134 | 0.1 | 0.32 | 0.1 | 7.9 | 24 | 38.2 | 2.00 | 5 | 0.05 | 0.07 | 6 | 0.63 | 169 | 0.5 |
| 1167515 | Soil | 1.2 | <0.1 | 1.37 | 7.5 | 1 | 156 | <0.1 | 0.30 | 0.1 | 8.0 | 22 | 18.9 | 2.84 | 4 | 0.04 | 0.12 | 6 | 0.71 | 178 | 0.6 |
| 1167513 | Soil | 0.6 | 0.1 | 1.04 | 2.4 | 1 | 116 | <0.1 | 0.11 | <0.1 | 5.1 | 15 | 20.4 | 1.69 | 4 | 0.02 | 0.14 | 5 | 0.46 | 177 | 0.6 |
| 1167511 | Soil | 1.6 | <0.1 | 2.45 | 6.4 | 2 | 271 | <0.1 | 0.33 | <0.1 | 15.2 | 33 | 36.1 | 3.52 | 7 | 0.01 | 0.25 | 8 | 1.09 | 395 | 0.6 |
| 1167512 | Soil | 2.4 | <0.1 | 2.41 | 5.8 | 2 | 305 | <0.1 | 0.38 | 0.1 | 15.2 | 33 | 35.9 | 3.60 | 7 | <0.01 | 0.33 | 9 | 1.15 | 414 | 0.6 |
| 1167524 | Soil | <0.5 | <0.1 | 2.45 | 4.4 | <1 | 338 | <0.1 | 0.36 | <0.1 | 16.4 | 30 | 36.7 | 4.20 | 9 | 0.01 | 0.62 | 5 | 1.54 | 577 | 0.6 |
| 1167523 | Soil | 2.4 | 0.2 | 1.57 | 2.6 | 2 | 201 | <0.1 | 0.41 | <0.1 | 8.5 | 26 | 20.7 | 2.22 | 6 | 0.03 | 0.22 | 5 | 0.85 | 247 | 0.6 |
| 1167522 | Soil | 3.7 | <0.1 | 1.81 | 4.2 | <1 | 166 | <0.1 | 0.45 | 0.1 | 12.7 | 37 | 21.7 | 2.88 | 6 | 0.01 | 0.24 | 6 | 1.11 | 371 | 0.8 |
| 1167521 | Soil | 1.7 | 0.2 | 1.65 | 4.8 | 1 | 179 | <0.1 | 0.29 | 0.1 | 11.4 | 25 | 26.8 | 3.03 | 5 | 0.03 | 0.09 | 8 | 0.70 | 352 | 0.7 |
| 1167501 | Soil | 2.9 | 0.3 | 2.06 | 3.6 | 1 | 280 | <0.1 | 0.45 | 0.1 | 16.7 | 33 | 51.5 | 3.15 | 7 | 0.03 | 0.48 | 5 | 1.33 | 566 | 1.1 |
| 1167502 | Soil | 2.9 | <0.1 | 2.21 | 5.9 | 1 | 203 | <0.1 | 0.38 | <0.1 | 18.7 | 62 | 40.5 | 3.09 | 5 | 0.01 | 0.34 | 7 | 1.48 | 412 | 0.8 |
| 1167514 | Soil | 1.3 | 0.1 | 1.93 | 4.8 | 2 | 255 | 0.1 | 0.54 | <0.1 | 16.3 | 30 | 33.1 | 3.05 | 6 | 0.03 | 0.21 | 7 | 1.08 | 499 | 0.6 |
| 1167520 | Soil | 0.7 | 0.1 | 1.54 | 4.3 | 2 | 183 | <0.1 | 0.28 | 0.1 | 8.7 | 22 | 17.3 | 2.59 | 5 | 0.04 | 0.11 | 7 | 0.76 | 244 | 0.7 |
| 1167509 | Soil | 1.2 | <0.1 | 1.82 | 6.3 | 1 | 223 | 0.1 | 0.36 | <0.1 | 10.6 | 29 | 24.6 | 2.71 | 5 | 0.02 | 0.07 | 9 | 0.67 | 328 | 0.7 |
| 1167507 | Soil | 0.8 | <0.1 | 2.52 | 4.4 | 2 | 295 | <0.1 | 0.45 | <0.1 | 18.5 | 39 | 73.0 | 4.00 | 7 | <0.01 | 0.51 | 5 | 1.43 | 464 | 0.9 |
| 1167503 | Soil | 5.7 | 0.1 | 1.61 | 35.7 | 1 | 167 | <0.1 | 0.22 | <0.1 | 10.8 | 30 | 37.0 | 2.77 | 5 | 0.03 | 0.09 | 10 | 0.68 | 285 | 0.8 |
| 1167510 | Soil | 1.5 | 0.1 | 1.61 | 5.6 | 2 | 232 | 0.1 | 0.33 | 0.2 | 11.9 | 27 | 35.7 | 2.78 | 5 | 0.01 | 0.17 | 10 | 0.80 | 365 | 0.6 |
| 1167505 | Soil | 0.9 | <0.1 | 2.79 | 2.1 | 1 | 282 | <0.1 | 0.51 | 0.1 | 25.1 | 46 | 61.3 | 4.08 | 8 | <0.01 | 1.17 | 4 | 2.00 | 732 | 0.5 |
| 1167508 | Soil | 2.1 | <0.1 | 2.25 | 7.8 | 2 | 151 | 0.1 | 0.19 | <0.1 | 12.6 | 34 | 31.7 | 3.13 | 6 | 0.02 | 0.08 | 8 | 0.86 | 310 | 0.9 |
| 1167504 | Soil | <0.5 | <0.1 | 2.01 | 1.9 | <1 | 197 | <0.1 | 0.47 | <0.1 | 15.1 | 29 | 72.6 | 2.66 | 6 | <0.01 | 0.25 | 2 | 1.24 | 314 | 0.5 |
| 1167506 | Soil | <0.5 | <0.1 | 2.90 | 2.0 | <1 | 245 | <0.1 | 0.59 | <0.1 | 24.4 | 89 | 54.1 | 3.64 | 8 | <0.01 | 0.82 | 3 | 2.62 | 366 | 0.3 |
| 1161357 | Soil | 4.5 | 0.1 | 2.36 | 4.0 | 1 | 230 | 0.1 | 0.39 | 0.1 | 13.6 | 27 | 38.2 | 3.80 | 9 | 0.04 | 0.09 | 8 | 1.18 | 461 | 0.5 |
| 1160944 | Soil | 3.5 | <0.1 | 1.62 | 2.5 | 1 | 133 | <0.1 | 0.29 | <0.1 | 10.2 | 21 | 20.6 | 2.40 | 6 | 0.03 | 0.05 | 6 | 0.77 | 272 | 0.6 |
| 1161332 | Soil | 2.1 | <0.1 | 3.15 | 4.3 | 1 | 278 | <0.1 | 0.26 | <0.1 | 21.8 | 45 | 46.6 | 4.12 | 7 | 0.01 | 0.93 | 5 | 2.33 | 550 | 0.9 |
| 1161333 | Soil | 0.9 | <0.1 | 3.57 | 4.8 | 1 | 312 | <0.1 | 0.40 | <0.1 | 24.4 | 42 | 69.6 | 6.11 | 12 | 0.01 | 0.73 | 3 | 2.36 | 699 | 0.9 |
| 1161360 | Soil | 1.0 | 0.1 | 1.37 | 2.5 | 1 | 149 | <0.1 | 0.25 | <0.1 | 6.5 | 22 | 17.3 | 2.05 | 6 | 0.03 | 0.11 | 5 | 0.70 | 150 | 0.5 |
| 1161335 | Soil | 0.6 | <0.1 | 3.19 | 3.7 | 1 | 634 | <0.1 | 0.25 | 0.1 | 20.2 | 44 | 82.7 | 5.53 | 12 | <0.01 | 1.23 | 10 | 1.99 | 643 | 1.1 |

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Project: TSL
Report Date: August 21, 2011



# CERTIFICATE OF ANALYSIS DAW11000141.1

| | 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 |
| 1167517 | Soil | 0.016 | 12.7 | 0.064 | 3.4 | <0.05 | 0.1 | 2.6 | <0.5 | 21 | <0.2 | 0.7 | 0.193 | <0.1 | 0.3 | 82 | <0.1 | 64 |
| 1167518 | Soil | 0.013 | 12.7 | 0.075 | 4.8 | <0.05 | 0.1 | 2.4 | <0.5 | 19 | <0.2 | 0.9 | 0.118 | <0.1 | 0.4 | 64 | <0.1 | 56 |
| 1167516 | Soil | 0.012 | 8.2 | 0.026 | 6.1 | <0.05 | 0.3 | 1.3 | <0.5 | 11 | <0.2 | 0.7 | 0.148 | <0.1 | 0.2 | 85 | <0.1 | 34 |
| 1167519 | Soil | 0.025 | 11.1 | 0.088 | 5.8 | <0.05 | 0.1 | 2.8 | <0.5 | 20 | <0.2 | 0.8 | 0.076 | <0.1 | 0.4 | 51 | <0.1 | 47 |
| 1167515 | Soil | 0.021 | 11.9 | 0.067 | 4.3 | <0.05 | 0.3 | 3.2 | <0.5 | 16 | <0.2 | 1.3 | 0.090 | <0.1 | 0.3 | 71 | <0.1 | 44 |
| 1167513 | Soil | 0.013 | 7.1 | 0.033 | 3.2 | <0.05 | 0.1 | 2.0 | <0.5 | 8 | <0.2 | 1.2 | 0.094 | <0.1 | 0.4 | 43 | <0.1 | 29 |
| 1167511 | Soil | 0.012 | 21.5 | 0.042 | 5.6 | <0.05 | 0.3 | 4.5 | <0.5 | 16 | <0.2 | 2.5 | 0.151 | 0.1 | 0.4 | 94 | <0.1 | 57 |
| 1167512 | Soil | 0.012 | 19.0 | 0.049 | 5.5 | <0.05 | 0.3 | 4.8 | <0.5 | 18 | <0.2 | 2.5 | 0.163 | 0.1 | 0.5 | 99 | 0.1 | 58 |
| 1167524 | Soil | 0.017 | 16.0 | 0.062 | 4.1 | <0.05 | 0.1 | 6.1 | <0.5 | 21 | <0.2 | 1.7 | 0.242 | 0.2 | 0.3 | 111 | <0.1 | 73 |
| 1167523 | Soil | 0.013 | 12.0 | 0.065 | 5.4 | <0.05 | 0.2 | 2.4 | <0.5 | 22 | <0.2 | 0.9 | 0.114 | <0.1 | 0.4 | 57 | <0.1 | 53 |
| 1167522 | Soil | 0.012 | 17.9 | 0.074 | 5.3 | <0.05 | 0.2 | 2.7 | <0.5 | 20 | <0.2 | 1.6 | 0.160 | <0.1 | 0.3 | 78 | 0.1 | 64 |
| 1167521 | Soil | 0.017 | 12.9 | 0.090 | 5.4 | <0.05 | 0.2 | 3.6 | <0.5 | 18 | <0.2 | 1.4 | 0.092 | <0.1 | 0.6 | 69 | 0.1 | 55 |
| 1167501 | Soil | 0.014 | 17.3 | 0.042 | 5.7 | <0.05 | 0.1 | 3.2 | <0.5 | 22 | <0.2 | 1.3 | 0.184 | 0.2 | 0.5 | 90 | <0.1 | 71 |
| 1167502 | Soil | 0.013 | 29.2 | 0.024 | 5.8 | <0.05 | 0.3 | 2.2 | <0.5 | 20 | <0.2 | 2.1 | 0.174 | 0.1 | 0.4 | 81 | <0.1 | 55 |
| 1167514 | Soil | 0.014 | 17.8 | 0.056 | 5.7 | <0.05 | 0.2 | 3.7 | <0.5 | 23 | <0.2 | 1.9 | 0.158 | <0.1 | 0.4 | 79 | 0.1 | 61 |
| 1167520 | Soil | 0.013 | 12.2 | 0.077 | 5.3 | <0.05 | 0.2 | 3.0 | <0.5 | 18 | <0.2 | 1.6 | 0.112 | <0.1 | 0.5 | 64 | 0.1 | 58 |
| 1167509 | Soil | 0.011 | 20.8 | 0.062 | 6.5 | <0.05 | 0.3 | 2.9 | <0.5 | 22 | <0.2 | 2.5 | 0.091 | <0.1 | 0.5 | 67 | 0.2 | 52 |
| 1167507 | Soil | 0.018 | 21.1 | 0.059 | 5.5 | <0.05 | 0.2 | 3.0 | <0.5 | 22 | <0.2 | 1.4 | 0.219 | 0.2 | 0.3 | 119 | <0.1 | 77 |
| 1167503 | Soil | 0.011 | 17.1 | 0.031 | 7.2 | <0.05 | 1.4 | 4.1 | <0.5 | 17 | <0.2 | 2.6 | 0.082 | <0.1 | 0.7 | 67 | <0.1 | 52 |
| 1167510 | Soil | 0.014 | 21.0 | 0.085 | 5.6 | <0.05 | 0.3 | 3.0 | <0.5 | 20 | <0.2 | 1.9 | 0.103 | 0.1 | 0.5 | 75 | 0.2 | 57 |
| 1167505 | Soil | 0.017 | 21.2 | 0.081 | 3.8 | <0.05 | <0.1 | 3.4 | <0.5 | 24 | <0.2 | 2.5 | 0.243 | 0.3 | 0.6 | 104 | <0.1 | 87 |
| 1167508 | Soil | 0.011 | 19.9 | 0.029 | 6.5 | <0.05 | 0.4 | 2.7 | 0.5 | 17 | <0.2 | 2.3 | 0.130 | 0.1 | 0.5 | 81 | 0.1 | 52 |
| 1167504 | Soil | 0.027 | 14.3 | 0.040 | 5.8 | <0.05 | 0.1 | 2.6 | <0.5 | 17 | <0.2 | 0.6 | 0.146 | <0.1 | 0.2 | 87 | <0.1 | 80 |
| 1167506 | Soil | 0.016 | 33.1 | 0.085 | 2.1 | <0.05 | <0.1 | 2.8 | <0.5 | 22 | <0.2 | 0.4 | 0.271 | 0.3 | 0.1 | 131 | <0.1 | 52 |
| 1161357 | Soil | 0.020 | 14.5 | 0.069 | 6.7 | <0.05 | 0.2 | 6.3 | <0.5 | 25 | <0.2 | 1.6 | 0.131 | <0.1 | 0.7 | 104 | <0.1 | 86 |
| 1160944 | Soil | 0.016 | 11.6 | 0.053 | 5.5 | <0.05 | 0.2 | 3.8 | <0.5 | 18 | <0.2 | 1.0 | 0.104 | <0.1 | 0.4 | 72 | <0.1 | 57 |
| 1161332 | Soil | 0.015 | 24.1 | 0.037 | 3.4 | <0.05 | 0.1 | 3.2 | <0.5 | 19 | <0.2 | 1.2 | 0.280 | 0.3 | 0.3 | 119 | <0.1 | 73 |
| 1161333 | Soil | 0.016 | 20.8 | 0.064 | 6.4 | <0.05 | 0.2 | 7.1 | <0.5 | 21 | <0.2 | 1.2 | 0.264 | 0.2 | 0.3 | 168 | <0.1 | 107 |
| 1161360 | Soil | 0.014 | 10.2 | 0.058 | 6.7 | <0.05 | 0.1 | 2.8 | <0.5 | 17 | <0.2 | 0.8 | 0.099 | <0.1 | 0.5 | 52 | <0.1 | 47 |
| 1161335 | Soil | 0.020 | 19.8 | 0.069 | 7.4 | 0.06 | 0.2 | 10.7 | 0.6 | 15 | <0.2 | 4.4 | 0.265 | 0.3 | 0.8 | 116 | <0.1 | 180 |

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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 |
| 1161353 | Soil | 3.9 | <0.1 | 1.78 | 3.6 | <1 | 152 | 0.1 | 0.28 | <0.1 | 7.9 | 27 | 17.9 | 2.54 | 7 | 0.05 | 0.07 | 7 | 0.82 | 183 | 0.5 |
| 1161336 | Soil | 1.2 | <0.1 | 3.68 | 3.5 | <1 | 601 | <0.1 | 0.26 | 0.1 | 27.5 | 71 | 98.4 | 5.59 | 12 | <0.01 | 1.21 | 11 | 2.68 | 644 | 0.8 |
| 1161337 | Soil | 3.0 | 0.1 | 2.30 | 9.6 | 2 | 262 | 0.2 | 0.22 | 0.1 | 14.7 | 36 | 56.7 | 3.76 | 7 | 0.03 | 0.13 | 11 | 0.89 | 389 | 1.0 |
| 1161338 | Soil | <0.5 | <0.1 | 2.53 | 1.3 | <1 | 456 | <0.1 | 0.75 | 0.1 | 18.2 | 9 | 64.8 | 4.63 | 10 | <0.01 | 0.90 | 8 | 1.70 | 746 | 0.9 |
| 1161339 | Soil | <0.5 | <0.1 | 2.60 | 1.7 | <1 | 422 | <0.1 | 0.64 | <0.1 | 17.7 | 10 | 55.7 | 4.45 | 10 | <0.01 | 0.86 | 7 | 1.68 | 660 | 0.8 |
| 1161341 | Soil | <0.5 | <0.1 | 2.91 | <0.5 | <1 | 576 | <0.1 | 0.43 | <0.1 | 39.2 | 58 | 73.2 | 3.98 | 9 | <0.01 | 0.94 | 9 | 1.69 | 716 | 0.6 |
| 1161350 | Soil | 0.6 | <0.1 | 1.73 | 2.8 | <1 | 254 | <0.1 | 0.29 | <0.1 | 11.0 | 22 | 31.5 | 2.58 | 7 | 0.04 | 0.34 | 5 | 1.04 | 199 | 0.7 |
| 1161346 | Soil | 1.5 | 0.1 | 1.75 | 3.4 | <1 | 189 | 0.1 | 0.24 | <0.1 | 6.8 | 29 | 21.2 | 2.10 | 6 | 0.04 | 0.13 | 8 | 0.69 | 155 | 0.3 |
| 1161351 | Soil | 0.9 | <0.1 | 1.59 | 2.8 | <1 | 205 | <0.1 | 0.32 | <0.1 | 9.4 | 23 | 22.1 | 2.52 | 6 | 0.01 | 0.22 | 5 | 1.03 | 212 | 0.6 |
| 1161348 | Soil | 2.7 | <0.1 | 1.59 | 6.4 | <1 | 130 | 0.1 | 0.32 | 0.1 | 8.1 | 27 | 17.6 | 2.50 | 6 | 0.04 | 0.08 | 8 | 0.69 | 177 | 0.5 |
| 1161349 | Soil | 0.9 | 0.1 | 1.63 | 6.7 | <1 | 198 | <0.1 | 0.30 | 0.2 | 9.1 | 28 | 26.2 | 2.68 | 5 | 0.03 | 0.14 | 9 | 0.72 | 188 | 0.4 |
| 1161347 | Soil | 1.7 | <0.1 | 1.83 | 5.6 | <1 | 169 | 0.1 | 0.29 | <0.1 | 8.4 | 29 | 15.2 | 2.57 | 7 | 0.04 | 0.08 | 8 | 0.79 | 199 | 0.4 |
| 1161356 | Soil | 8.6 | <0.1 | 3.90 | 2.8 | <1 | 453 | <0.1 | 0.69 | 0.2 | 25.1 | 30 | 77.4 | 6.81 | 14 | 0.01 | 0.11 | 10 | 2.58 | 1160 | 0.3 |
| 1161352 | Soil | 1.7 | 0.1 | 1.03 | 1.7 | <1 | 224 | <0.1 | 0.23 | <0.1 | 3.9 | 16 | 25.1 | 1.53 | 4 | 0.06 | 0.07 | 6 | 0.29 | 80 | 0.4 |
| 1161345 | Soil | 2.1 | <0.1 | 1.83 | 6.3 | 1 | 278 | 0.1 | 0.32 | 0.2 | 12.7 | 30 | 32.5 | 2.99 | 5 | 0.05 | 0.06 | 11 | 0.70 | 198 | 0.8 |
| 1161354 | Soil | 1.2 | 0.1 | 1.35 | 3.0 | <1 | 138 | <0.1 | 0.25 | 0.1 | 5.9 | 20 | 15.9 | 1.97 | 5 | 0.04 | 0.07 | 6 | 0.62 | 138 | 0.5 |
| 1161344 | Soil | 2.6 | 0.2 | 1.95 | 6.2 | 1 | 166 | 0.1 | 0.26 | <0.1 | 11.4 | 32 | 27.7 | 3.06 | 6 | 0.02 | 0.16 | 7 | 0.79 | 349 | 1.2 |
| 1161355 | Soil | 2.0 | 0.1 | 2.13 | 5.0 | 1 | 214 | 0.1 | 0.36 | 0.2 | 12.2 | 30 | 30.3 | 2.81 | 6 | 0.03 | 0.06 | 9 | 0.75 | 349 | 0.7 |
| 1161342 | Soil | 1.6 | <0.1 | 2.87 | 5.1 | <1 | 307 | <0.1 | 0.47 | <0.1 | 16.3 | 44 | 65.6 | 4.17 | 8 | <0.01 | 0.11 | 14 | 1.38 | 432 | 1.4 |
| 1161334 | Soil | 0.5 | <0.1 | 2.81 | 3.9 | <1 | 552 | <0.1 | 0.23 | 0.1 | 17.3 | 35 | 67.7 | 4.87 | 11 | <0.01 | 1.06 | 9 | 1.70 | 557 | 0.8 |
| 1161340 | Soil | 0.6 | <0.1 | 2.22 | <0.5 | <1 | 251 | <0.1 | 0.17 | <0.1 | 5.5 | 9 | 61.2 | 5.31 | 10 | <0.01 | 1.25 | 11 | 1.24 | 223 | 26.3 |
| 1161343 | Soil | 2.0 | <0.1 | 2.14 | 7.6 | <1 | 169 | 0.1 | 0.26 | 0.1 | 12.1 | 35 | 32.5 | 3.05 | 6 | 0.02 | 0.22 | 9 | 0.93 | 304 | 0.9 |
| 1161303 | Soil | 0.6 | <0.1 | 2.53 | 6.7 | <1 | 281 | 0.1 | 0.27 | <0.1 | 15.8 | 41 | 64.0 | 3.94 | 7 | <0.01 | 0.31 | 9 | 1.29 | 418 | 0.8 |
| 1161301 | Soil | <0.5 | <0.1 | 1.70 | 13.6 | <1 | 204 | <0.1 | 0.35 | <0.1 | 10.9 | 31 | 35.3 | 2.79 | 5 | 0.01 | 0.17 | 8 | 0.90 | 328 | 0.6 |
| 1161304 | Soil | 1.3 | <0.1 | 2.66 | 4.2 | <1 | 281 | <0.1 | 0.25 | <0.1 | 20.1 | 28 | 95.5 | 4.32 | 8 | <0.01 | 0.67 | 5 | 1.61 | 502 | 0.7 |
| 1161302 | Soil | 7.7 | <0.1 | 2.99 | 4.7 | <1 | 250 | <0.1 | 0.23 | <0.1 | 23.0 | 57 | 83.0 | 5.11 | 9 | 0.06 | 0.43 | 6 | 1.86 | 469 | 0.7 |
| 1161306 | Soil | 1.6 | 0.1 | 2.24 | 3.4 | <1 | 380 | <0.1 | 0.34 | <0.1 | 15.1 | 25 | 55.0 | 4.10 | 8 | 0.01 | 0.75 | 10 | 1.29 | 416 | 1.1 |
| 1161305 | Soil | 1.2 | <0.1 | 2.50 | 2.7 | <1 | 414 | <0.1 | 0.37 | <0.1 | 19.1 | 31 | 63.2 | 4.49 | 8 | <0.01 | 0.93 | 10 | 1.47 | 514 | 1.3 |
| 1161307 | Soil | 0.8 | 0.3 | 1.24 | 3.1 | <1 | 170 | <0.1 | 0.21 | <0.1 | 6.2 | 19 | 26.4 | 2.07 | 5 | 0.03 | 0.14 | 6 | 0.58 | 152 | 1.4 |
| 1161308 | Soil | 2.1 | <0.1 | 2.13 | 5.0 | <1 | 270 | <0.1 | 0.21 | <0.1 | 12.7 | 41 | 39.8 | 3.35 | 6 | 0.02 | 0.25 | 8 | 1.09 | 346 | 1.3 |

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Project: TSL
Report Date: August 21, 2011



# CERTIFICATE OF ANALYSIS DAW11000141.1

| | 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 |
| 1161353 | Soil | 0.014 | 13.7 | 0.056 | 7.3 | <0.05 | 0.2 | 3.2 | 0.7 | 19 | <0.2 | 1.3 | 0.129 | <0.1 | 0.5 | 64 | 0.1 | 64 |
| 1161336 | Soil | 0.019 | 29.7 | 0.062 | 5.5 | <0.05 | 0.2 | 12.7 | <0.5 | 13 | <0.2 | 4.2 | 0.218 | 0.3 | 0.9 | 178 | <0.1 | 112 |
| 1161337 | Soil | 0.013 | 24.1 | 0.039 | 8.8 | <0.05 | 0.5 | 4.8 | <0.5 | 16 | <0.2 | 3.9 | 0.127 | <0.1 | 0.9 | 90 | 0.1 | 65 |
| 1161338 | Soil | 0.013 | 6.6 | 0.275 | 2.6 | <0.05 | <0.1 | 14.9 | <0.5 | 14 | <0.2 | 2.9 | 0.142 | 0.2 | 0.6 | 98 | <0.1 | 112 |
| 1161339 | Soil | 0.013 | 7.4 | 0.243 | 2.7 | <0.05 | 0.1 | 14.3 | <0.5 | 13 | <0.2 | 2.9 | 0.172 | 0.2 | 0.6 | 95 | <0.1 | 108 |
| 1161341 | Soil | 0.026 | 25.9 | 0.141 | 3.8 | 0.15 | <0.1 | 6.0 | 0.9 | 25 | <0.2 | 3.6 | 0.215 | 0.3 | 1.1 | 125 | <0.1 | 88 |
| 1161350 | Soil | 0.022 | 9.6 | 0.054 | 4.3 | <0.05 | 0.1 | 3.5 | <0.5 | 20 | <0.2 | 0.9 | 0.160 | 0.1 | 0.3 | 84 | <0.1 | 55 |
| 1161346 | Soil | 0.011 | 12.7 | 0.052 | 7.6 | <0.05 | 0.2 | 3.9 | <0.5 | 17 | <0.2 | 1.6 | 0.134 | <0.1 | 0.6 | 56 | <0.1 | 56 |
| 1161351 | Soil | 0.019 | 10.3 | 0.059 | 5.1 | <0.05 | 0.1 | 3.4 | <0.5 | 24 | <0.2 | 1.1 | 0.153 | 0.1 | 0.3 | 82 | 0.1 | 52 |
| 1161348 | Soil | 0.019 | 14.7 | 0.069 | 7.9 | <0.05 | 0.2 | 3.1 | 0.6 | 19 | <0.2 | 1.6 | 0.108 | <0.1 | 0.4 | 68 | 0.2 | 57 |
| 1161349 | Soil | 0.016 | 14.4 | 0.066 | 6.7 | <0.05 | 0.2 | 3.5 | 1.0 | 19 | <0.2 | 2.1 | 0.113 | <0.1 | 0.6 | 72 | 0.2 | 56 |
| 1161347 | Soil | 0.011 | 16.2 | 0.060 | 7.6 | <0.05 | 0.3 | 3.3 | 0.7 | 19 | <0.2 | 1.8 | 0.134 | 0.1 | 0.4 | 61 | 0.1 | 64 |
| 1161356 | Soil | 0.020 | 16.9 | 0.092 | 6.9 | <0.05 | 0.2 | 15.2 | 0.5 | 38 | <0.2 | 1.9 | 0.173 | <0.1 | 1.4 | 192 | <0.1 | 148 |
| 1161352 | Soil | 0.012 | 7.9 | 0.083 | 4.9 | 0.06 | 0.1 | 2.7 | <0.5 | 23 | <0.2 | 0.4 | 0.062 | <0.1 | 0.6 | 25 | <0.1 | 30 |
| 1161345 | Soil | 0.016 | 19.9 | 0.067 | 8.1 | <0.05 | 0.3 | 4.2 | 0.6 | 24 | <0.2 | 2.6 | 0.100 | <0.1 | 0.8 | 68 | 0.1 | 63 |
| 1161354 | Soil | 0.013 | 10.2 | 0.057 | 6.5 | <0.05 | 0.1 | 2.7 | 0.7 | 20 | <0.2 | 0.7 | 0.105 | <0.1 | 0.5 | 44 | 0.1 | 45 |
| 1161344 | Soil | 0.011 | 17.1 | 0.049 | 8.4 | <0.05 | 0.2 | 3.3 | 0.6 | 21 | <0.2 | 1.7 | 0.136 | 0.1 | 0.5 | 88 | <0.1 | 64 |
| 1161355 | Soil | 0.014 | 19.3 | 0.062 | 7.8 | <0.05 | 0.3 | 4.2 | 0.5 | 26 | <0.2 | 1.6 | 0.102 | <0.1 | 0.6 | 68 | 0.1 | 67 |
| 1161342 | Soil | 0.017 | 24.4 | 0.058 | 7.5 | <0.05 | 0.2 | 6.2 | 0.7 | 30 | <0.2 | 3.4 | 0.170 | <0.1 | 0.8 | 120 | <0.1 | 66 |
| 1161334 | Soil | 0.016 | 18.0 | 0.065 | 6.6 | <0.05 | 0.2 | 9.4 | 1.1 | 14 | <0.2 | 4.3 | 0.223 | 0.3 | 0.7 | 94 | <0.1 | 158 |
| 1161340 | Soil | 0.041 | 4.9 | 0.150 | 2.2 | 0.86 | <0.1 | 8.2 | 5.4 | 47 | <0.2 | 3.8 | 0.178 | 0.2 | 0.9 | 96 | <0.1 | 99 |
| 1161343 | Soil | 0.011 | 20.4 | 0.052 | 7.8 | <0.05 | 0.3 | 3.3 | 0.6 | 19 | <0.2 | 2.3 | 0.125 | 0.2 | 0.6 | 75 | 0.1 | 57 |
| 1161303 | Soil | 0.016 | 27.5 | 0.032 | 7.9 | <0.05 | 0.3 | 5.4 | <0.5 | 18 | <0.2 | 3.3 | 0.178 | 0.1 | 0.7 | 98 | <0.1 | 82 |
| 1161301 | Soil | 0.015 | 17.4 | 0.055 | 6.7 | <0.05 | 0.5 | 3.8 | 0.6 | 21 | <0.2 | 1.9 | 0.122 | 0.1 | 0.5 | 71 | 0.1 | 53 |
| 1161304 | Soil | 0.021 | 18.5 | 0.058 | 5.2 | <0.05 | 0.2 | 4.8 | <0.5 | 12 | <0.2 | 1.6 | 0.204 | 0.2 | 0.4 | 127 | <0.1 | 71 |
| 1161302 | Soil | 0.016 | 27.4 | 0.025 | 6.0 | <0.05 | 0.2 | 6.0 | 1.1 | 15 | 0.3 | 1.9 | 0.232 | 0.2 | 0.4 | 131 | <0.1 | 90 |
| 1161306 | Soil | 0.016 | 13.1 | 0.092 | 5.7 | 0.07 | 0.2 | 6.8 | 0.8 | 23 | <0.2 | 2.6 | 0.178 | 0.1 | 0.8 | 100 | <0.1 | 104 |
| 1161305 | Soil | 0.017 | 15.3 | 0.101 | 5.2 | 0.08 | 0.1 | 8.2 | 0.9 | 24 | <0.2 | 2.5 | 0.191 | 0.1 | 0.7 | 117 | <0.1 | 112 |
| 1161307 | Soil | 0.015 | 8.4 | 0.038 | 5.4 | <0.05 | 0.2 | 2.8 | <0.5 | 19 | <0.2 | 1.1 | 0.087 | <0.1 | 0.5 | 53 | <0.1 | 45 |
| 1161308 | Soil | 0.023 | 18.9 | 0.023 | 6.8 | <0.05 | 0.2 | 5.0 | 0.7 | 23 | <0.2 | 2.5 | 0.131 | <0.1 | 0.7 | 91 | <0.1 | 70 |

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Project: TSL
Report Date: August 21, 2011



# CERTIFICATE OF ANALYSIS DAW11000141.1

| | 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 |
| 1161309 | Soil | 1.9 | <0.1 | 2.14 | 6.4 | 2 | 215 | 0.1 | 0.13 | <0.1 | 13.5 | 73 | 11.9 | 3.70 | 10 | 0.02 | 0.47 | 8 | 1.30 | 561 | 1.2 |
| 1161310 | Soil | 3.7 | <0.1 | 2.33 | 8.5 | 2 | 253 | 0.2 | 0.24 | <0.1 | 10.7 | 41 | 30.0 | 3.05 | 6 | 0.04 | 0.10 | 14 | 0.70 | 249 | 0.9 |
| 1161311 | Soil | 3.6 | <0.1 | 2.37 | 5.3 | 1 | 262 | <0.1 | 0.24 | 0.1 | 13.7 | 30 | 45.5 | 3.28 | 5 | <0.01 | 0.42 | 9 | 1.02 | 338 | 0.7 |
| 1161312 | Soil | 3.1 | <0.1 | 1.98 | 5.7 | <1 | 288 | <0.1 | 0.23 | <0.1 | 11.6 | 35 | 58.3 | 3.08 | 6 | 0.01 | 0.33 | 6 | 0.83 | 220 | 1.3 |
| 1161315 | Soil | 5.8 | <0.1 | 2.15 | 5.1 | 2 | 260 | 0.1 | 0.34 | <0.1 | 14.8 | 30 | 28.7 | 3.53 | 7 | 0.01 | 0.27 | 8 | 1.19 | 409 | 0.7 |
| 1161316 | Soil | 4.5 | <0.1 | 1.65 | 4.6 | 2 | 178 | 0.1 | 0.40 | 0.1 | 9.6 | 28 | 24.0 | 2.42 | 5 | 0.03 | 0.12 | 9 | 0.73 | 218 | 0.4 |
| 1161314 | Soil | 6.7 | 0.1 | 2.01 | 4.5 | 2 | 265 | 0.1 | 0.34 | 0.1 | 9.7 | 33 | 34.4 | 2.60 | 6 | 0.04 | 0.20 | 10 | 0.87 | 195 | 0.4 |
| 1161320 | Soil | 2.0 | <0.1 | 1.27 | 2.3 | 1 | 140 | <0.1 | 0.28 | <0.1 | 5.6 | 18 | 15.4 | 1.84 | 5 | 0.04 | 0.06 | 5 | 0.49 | 137 | 0.5 |
| 1161313 | Soil | 4.6 | 0.2 | 2.66 | 4.7 | <1 | 559 | 0.1 | 0.46 | 0.2 | 15.3 | 34 | 54.9 | 3.57 | 8 | 0.06 | 0.26 | 12 | 0.97 | 419 | 0.7 |
| 1161317 | Soil | 2.1 | <0.1 | 1.74 | 6.6 | 2 | 174 | <0.1 | 0.37 | 0.1 | 13.2 | 27 | 36.0 | 3.14 | 6 | 0.02 | 0.16 | 7 | 0.99 | 425 | 0.7 |
| 1161318 | Soil | 9.9 | 0.1 | 1.84 | 5.3 | 2 | 254 | <0.1 | 0.35 | 0.1 | 14.6 | 27 | 50.1 | 3.50 | 7 | 0.02 | 0.22 | 8 | 0.95 | 454 | 0.8 |
| 1161319 | Soil | 3.9 | <0.1 | 1.98 | 4.5 | <1 | 274 | <0.1 | 0.39 | 0.2 | 14.2 | 26 | 34.4 | 3.21 | 6 | 0.01 | 0.24 | 7 | 0.96 | 536 | 0.6 |
| 1161324 | Soil | 1.2 | <0.1 | 1.85 | 3.8 | 2 | 379 | <0.1 | 0.28 | 0.1 | 13.0 | 22 | 35.2 | 3.30 | 8 | 0.02 | 0.38 | 6 | 1.19 | 376 | 0.7 |
| 1161326 | Soil | 2.9 | <0.1 | 1.22 | 2.0 | 1 | 77 | <0.1 | 0.22 | <0.1 | 4.6 | 16 | 15.4 | 1.53 | 5 | 0.03 | 0.04 | 5 | 0.42 | 105 | 0.3 |
| 1161321 | Soil | 2.5 | <0.1 | 1.60 | 6.1 | 1 | 187 | 0.1 | 0.33 | 0.1 | 10.0 | 25 | 18.2 | 2.91 | 6 | 0.03 | 0.08 | 7 | 0.73 | 319 | 0.8 |
| 1161322 | Soil | 2.0 | 0.1 | 1.30 | 4.0 | 2 | 125 | <0.1 | 0.21 | <0.1 | 5.2 | 22 | 16.1 | 1.99 | 5 | 0.04 | 0.06 | 6 | 0.48 | 148 | 0.5 |
| 1167546 | Soil | 2.5 | <0.1 | 2.11 | 5.5 | 1 | 202 | <0.1 | 0.32 | 0.1 | 13.1 | 35 | 28.7 | 3.10 | 6 | 0.03 | 0.25 | 8 | 1.07 | 371 | 0.7 |
| 1167543 | Soil | <0.5 | <0.1 | 3.50 | 1.9 | <1 | 1450 | <0.1 | 0.24 | <0.1 | 18.6 | 28 | 26.0 | 5.46 | 14 | <0.01 | 1.51 | 6 | 2.49 | 826 | 0.3 |
| 1167544 | Soil | 1.0 | <0.1 | 2.08 | 2.6 | <1 | 181 | <0.1 | 0.40 | <0.1 | 21.3 | 107 | 136.9 | 2.36 | 4 | <0.01 | 0.15 | 2 | 1.37 | 209 | 0.3 |
| 1161327 | Soil | 3.7 | <0.1 | 1.56 | 3.8 | 2 | 137 | 0.1 | 0.30 | 0.1 | 7.5 | 23 | 20.7 | 2.04 | 5 | 0.03 | 0.06 | 6 | 0.61 | 200 | 0.8 |
| 1161323 | Soil | 2.5 | 0.1 | 1.29 | 2.7 | 1 | 149 | 0.1 | 0.21 | <0.1 | 5.1 | 21 | 18.1 | 1.69 | 5 | 0.04 | 0.08 | 6 | 0.49 | 120 | 0.4 |
| 1161325 | Soil | 2.9 | <0.1 | 1.41 | 3.0 | <1 | 108 | 0.1 | 0.22 | <0.1 | 5.4 | 21 | 14.2 | 1.86 | 5 | 0.04 | 0.05 | 6 | 0.52 | 144 | 0.5 |
| 1167539 | Soil | 2.3 | 0.2 | 2.14 | 3.8 | <1 | 221 | <0.1 | 0.32 | 0.1 | 12.7 | 34 | 41.4 | 3.13 | 7 | 0.02 | 0.28 | 5 | 1.14 | 271 | 0.8 |
| 1167534 | Soil | 2.1 | 0.1 | 2.42 | 24.1 | 1 | 409 | <0.1 | 0.49 | <0.1 | 16.6 | 36 | 80.4 | 3.97 | 8 | 0.02 | 0.82 | 4 | 1.52 | 368 | 0.9 |
| 1167535 | Soil | <0.5 | <0.1 | 3.14 | 3.9 | <1 | 243 | <0.1 | 0.41 | <0.1 | 23.7 | 39 | 61.3 | 4.43 | 8 | <0.01 | 0.80 | 3 | 2.40 | 628 | 0.5 |
| 1167536 | Soil | 1.3 | <0.1 | 2.46 | 3.2 | 1 | 258 | <0.1 | 0.50 | 0.1 | 15.6 | 27 | 82.7 | 3.35 | 6 | <0.01 | 0.41 | 2 | 1.46 | 390 | 0.4 |
| 1167537 | Soil | 0.6 | <0.1 | 2.87 | 4.1 | 1 | 461 | <0.1 | 0.38 | <0.1 | 15.1 | 54 | 58.8 | 4.54 | 9 | <0.01 | 1.09 | 7 | 1.82 | 508 | 0.7 |
| 1167541 | Soil | 2.6 | <0.1 | 2.16 | 5.5 | 1 | 236 | <0.1 | 0.39 | <0.1 | 13.3 | 30 | 35.2 | 2.84 | 6 | 0.01 | 0.13 | 8 | 1.08 | 339 | 0.6 |
| 1167540 | Soil | 2.4 | 0.1 | 2.10 | 4.3 | 1 | 278 | <0.1 | 0.34 | <0.1 | 15.4 | 30 | 36.6 | 3.14 | 6 | 0.02 | 0.37 | 6 | 1.07 | 385 | 0.6 |
| 1167542 | Soil | 2.2 | <0.1 | 2.00 | 8.1 | 2 | 289 | 0.1 | 0.34 | 0.1 | 11.6 | 32 | 27.0 | 2.94 | 6 | 0.03 | 0.07 | 10 | 0.73 | 431 | 1.0 |

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Project: TSL
Report Date: August 21, 2011



# CERTIFICATE OF ANALYSIS DAW11000141.1

| | 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 |
| 1161309 | Soil | 0.010 | 21.4 | 0.057 | 5.5 | <0.05 | 0.3 | 3.9 | <0.5 | 13 | <0.2 | 2.0 | 0.194 | 0.1 | 0.4 | 115 | <0.1 | 73 |
| 1161310 | Soil | 0.013 | 21.2 | 0.055 | 8.4 | <0.05 | 0.5 | 3.8 | <0.5 | 20 | <0.2 | 2.6 | 0.092 | <0.1 | 0.8 | 72 | 0.1 | 43 |
| 1161311 | Soil | 0.016 | 20.1 | 0.037 | 5.3 | <0.05 | 0.2 | 3.4 | 0.5 | 28 | <0.2 | 1.8 | 0.140 | 0.2 | 0.5 | 92 | <0.1 | 49 |
| 1161312 | Soil | 0.017 | 19.1 | 0.042 | 5.1 | 0.06 | 0.2 | 3.5 | 0.7 | 22 | <0.2 | 1.2 | 0.131 | 0.1 | 0.4 | 84 | <0.1 | 52 |
| 1161315 | Soil | 0.015 | 18.7 | 0.074 | 5.8 | <0.05 | 0.3 | 3.8 | <0.5 | 20 | <0.2 | 2.1 | 0.184 | <0.1 | 0.4 | 88 | 0.1 | 76 |
| 1161316 | Soil | 0.024 | 16.4 | 0.083 | 6.3 | <0.05 | 0.3 | 3.4 | <0.5 | 22 | <0.2 | 2.2 | 0.116 | <0.1 | 0.5 | 60 | 0.2 | 63 |
| 1161314 | Soil | 0.017 | 18.0 | 0.061 | 7.0 | <0.05 | 0.3 | 4.5 | <0.5 | 22 | <0.2 | 2.4 | 0.157 | <0.1 | 0.7 | 73 | 0.2 | 60 |
| 1161320 | Soil | 0.022 | 8.8 | 0.068 | 4.6 | 0.05 | 0.1 | 2.5 | <0.5 | 20 | <0.2 | 0.5 | 0.091 | <0.1 | 0.4 | 39 | <0.1 | 43 |
| 1161313 | Soil | 0.018 | 21.7 | 0.068 | 7.5 | <0.05 | 0.3 | 6.6 | 0.9 | 25 | <0.2 | 1.9 | 0.163 | <0.1 | 1.0 | 98 | 0.1 | 72 |
| 1161317 | Soil | 0.024 | 15.5 | 0.073 | 5.3 | <0.05 | 0.3 | 4.1 | <0.5 | 21 | <0.2 | 1.9 | 0.148 | <0.1 | 0.4 | 87 | 0.2 | 67 |
| 1161318 | Soil | 0.021 | 15.7 | 0.068 | 4.9 | <0.05 | 0.2 | 3.9 | <0.5 | 22 | <0.2 | 1.8 | 0.153 | <0.1 | 0.4 | 89 | 0.1 | 69 |
| 1161319 | Soil | 0.023 | 15.0 | 0.083 | 5.6 | <0.05 | 0.2 | 4.0 | <0.5 | 39 | <0.2 | 2.0 | 0.166 | <0.1 | 0.4 | 78 | 0.1 | 73 |
| 1161324 | Soil | 0.021 | 11.4 | 0.058 | 5.1 | <0.05 | 0.2 | 4.8 | <0.5 | 18 | <0.2 | 1.2 | 0.202 | <0.1 | 0.4 | 121 | 0.1 | 63 |
| 1161326 | Soil | 0.015 | 7.6 | 0.036 | 4.9 | 0.05 | 0.1 | 2.6 | <0.5 | 14 | <0.2 | 0.7 | 0.078 | <0.1 | 0.3 | 37 | 0.1 | 35 |
| 1161321 | Soil | 0.016 | 13.3 | 0.083 | 6.1 | <0.05 | 0.2 | 3.2 | <0.5 | 22 | <0.2 | 1.2 | 0.108 | <0.1 | 0.4 | 73 | 0.1 | 64 |
| 1161322 | Soil | 0.013 | 10.2 | 0.061 | 6.2 | 0.06 | 0.2 | 2.1 | <0.5 | 18 | <0.2 | 0.6 | 0.082 | <0.1 | 0.5 | 44 | 0.1 | 43 |
| 1167546 | Soil | 0.016 | 22.7 | 0.052 | 5.4 | <0.05 | 0.3 | 3.1 | <0.5 | 22 | <0.2 | 2.1 | 0.168 | <0.1 | 0.4 | 81 | 0.1 | 64 |
| 1167543 | Soil | 0.024 | 10.2 | 0.078 | 2.9 | <0.05 | <0.1 | 16.6 | <0.5 | 13 | <0.2 | 2.6 | 0.289 | 0.3 | 0.2 | 149 | <0.1 | 106 |
| 1167544 | Soil | 0.038 | 34.1 | 0.030 | 2.9 | <0.05 | 0.1 | 3.6 | <0.5 | 16 | <0.2 | 0.7 | 0.164 | <0.1 | 0.2 | 72 | <0.1 | 31 |
| 1161327 | Soil | 0.018 | 12.9 | 0.055 | 6.7 | <0.05 | 0.2 | 2.6 | <0.5 | 19 | <0.2 | 0.8 | 0.089 | <0.1 | 0.4 | 56 | 0.1 | 51 |
| 1161323 | Soil | 0.017 | 10.2 | 0.052 | 6.1 | <0.05 | 0.2 | 2.4 | <0.5 | 18 | <0.2 | 0.6 | 0.088 | <0.1 | 0.5 | 40 | 0.1 | 42 |
| 1161325 | Soil | 0.016 | 10.3 | 0.046 | 6.0 | <0.05 | 0.2 | 2.7 | <0.5 | 18 | <0.2 | 0.7 | 0.092 | <0.1 | 0.4 | 46 | 0.1 | 45 |
| 1167539 | Soil | 0.023 | 17.4 | 0.037 | 5.2 | <0.05 | 0.2 | 3.2 | <0.5 | 24 | <0.2 | 1.2 | 0.170 | <0.1 | 0.4 | 99 | <0.1 | 69 |
| 1167534 | Soil | 0.021 | 19.2 | 0.079 | 3.8 | <0.05 | 1.1 | 4.2 | <0.5 | 28 | <0.2 | 1.1 | 0.214 | 0.5 | 0.4 | 129 | <0.1 | 90 |
| 1167535 | Soil | 0.014 | 23.5 | 0.034 | 4.2 | <0.05 | 1.0 | 1.9 | <0.5 | 41 | <0.2 | 0.9 | 0.242 | 0.2 | 0.3 | 103 | <0.1 | 108 |
| 1167536 | Soil | 0.034 | 15.3 | 0.055 | 4.9 | <0.05 | 0.8 | 3.6 | <0.5 | 28 | <0.2 | 0.7 | 0.187 | <0.1 | 0.2 | 94 | <0.1 | 115 |
| 1167537 | Soil | 0.022 | 16.4 | 0.081 | 4.2 | 0.06 | 0.2 | 5.6 | 0.6 | 32 | <0.2 | 1.9 | 0.262 | 0.2 | 0.4 | 152 | <0.1 | 103 |
| 1167541 | Soil | 0.015 | 23.7 | 0.042 | 5.5 | <0.05 | 0.3 | 4.0 | <0.5 | 31 | <0.2 | 2.3 | 0.136 | <0.1 | 0.5 | 73 | <0.1 | 68 |
| 1167540 | Soil | 0.019 | 15.3 | 0.041 | 5.9 | <0.05 | 0.2 | 3.3 | <0.5 | 26 | <0.2 | 1.4 | 0.170 | <0.1 | 0.4 | 94 | <0.1 | 62 |
| 1167542 | Soil | 0.014 | 19.5 | 0.037 | 7.7 | <0.05 | 0.3 | 3.5 | <0.5 | 22 | <0.2 | 2.4 | 0.105 | <0.1 | 0.5 | 81 | 0.1 | 57 |

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Project: TSL
Report Date: August 21, 2011



# CERTIFICATE OF ANALYSIS DAW11000141.1

| | 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 |
| 1167538 | Soil | 4.4 | 0.2 | 2.11 | 3.4 | 2 | 299 | <0.1 | 0.45 | <0.1 | 14.2 | 39 | 54.3 | 3.06 | 7 | 0.04 | 0.33 | 8 | 1.21 | 298 | 0.7 |
| 1167547 | Soil | 2.7 | 0.1 | 2.06 | 5.4 | <1 | 200 | 0.1 | 0.31 | <0.1 | 10.3 | 30 | 37.2 | 2.83 | 6 | 0.03 | 0.14 | 10 | 0.89 | 248 | 0.5 |
| 1160091 | Soil | 2.2 | 0.2 | 2.63 | 6.4 | 1 | 467 | 0.1 | 0.38 | 0.1 | 17.8 | 38 | 77.6 | 3.99 | 8 | 0.04 | 0.25 | 17 | 1.10 | 559 | 0.8 |
| 1160093 | Soil | 3.4 | 0.2 | 1.83 | 4.6 | 2 | 138 | <0.1 | 0.43 | <0.1 | 10.8 | 24 | 58.3 | 2.73 | 5 | 0.06 | 0.06 | 7 | 0.74 | 172 | 0.5 |
| 1160092 | Soil | 1.5 | <0.1 | 1.93 | 4.6 | <1 | 436 | <0.1 | 0.42 | <0.1 | 16.4 | 32 | 54.8 | 3.53 | 7 | 0.02 | 0.38 | 8 | 1.17 | 513 | 0.6 |
| 1160094 | Soil | 3.4 | 0.2 | 1.78 | 4.0 | <1 | 123 | 0.1 | 0.43 | 0.1 | 8.4 | 32 | 48.3 | 2.39 | 6 | 0.05 | 0.08 | 7 | 0.75 | 193 | 0.4 |
| 1160095 | Soil | 2.0 | 0.1 | 1.28 | 3.2 | 1 | 98 | <0.1 | 0.55 | <0.1 | 8.6 | 20 | 45.7 | 2.33 | 5 | 0.03 | 0.05 | 5 | 0.56 | 186 | 0.6 |
| 1160097 | Soil | 2.7 | <0.1 | 1.91 | 4.2 | <1 | 218 | 0.1 | 0.50 | 0.1 | 11.9 | 27 | 22.2 | 3.00 | 7 | 0.02 | 0.18 | 8 | 1.01 | 358 | 0.7 |
| 1160096 | Soil | 5.9 | 0.1 | 1.81 | 4.2 | 1 | 188 | 0.1 | 0.35 | <0.1 | 9.0 | 26 | 16.6 | 2.70 | 7 | 0.05 | 0.12 | 8 | 0.91 | 223 | 0.7 |
| 1161077 | Soil | 3.3 | 0.2 | 1.79 | 3.2 | 1 | 187 | 0.1 | 0.38 | 0.1 | 8.1 | 27 | 22.2 | 2.49 | 6 | 0.04 | 0.05 | 7 | 0.79 | 227 | 0.7 |
| 1161075 | Soil | 4.9 | 0.1 | 1.69 | 6.5 | <1 | 149 | 0.1 | 0.28 | <0.1 | 5.6 | 27 | 22.1 | 2.14 | 6 | 0.05 | 0.05 | 8 | 0.56 | 149 | 0.3 |
| 1161076 | Soil | 4.0 | 0.1 | 1.95 | 3.0 | <1 | 174 | 0.1 | 0.34 | <0.1 | 8.2 | 27 | 22.9 | 2.38 | 6 | 0.05 | 0.05 | 7 | 0.78 | 205 | 0.6 |
| 1160098 | Soil | 3.0 | 0.1 | 1.79 | 4.0 | <1 | 159 | <0.1 | 0.42 | 0.1 | 12.6 | 26 | 21.0 | 2.80 | 6 | 0.03 | 0.15 | 7 | 0.96 | 399 | 0.7 |
| 1160099 | Soil | 4.3 | 0.1 | 1.90 | 5.0 | 1 | 176 | <0.1 | 0.40 | 0.2 | 11.4 | 29 | 23.0 | 2.85 | 6 | 0.02 | 0.10 | 9 | 0.93 | 343 | 0.7 |
| 1161074 | Soil | 2.0 | <0.1 | 1.92 | 5.3 | <1 | 154 | 0.1 | 0.35 | 0.1 | 9.0 | 27 | 21.2 | 2.55 | 6 | 0.04 | 0.07 | 8 | 0.78 | 197 | 0.4 |
| 1167545 | Soil | 0.8 | <0.1 | 3.21 | 7.6 | <1 | 360 | 0.1 | 0.26 | <0.1 | 16.7 | 39 | 29.2 | 4.89 | 11 | 0.02 | 0.36 | 6 | 1.52 | 498 | 1.2 |
| 1161080 | Soil | 1.4 | <0.1 | 1.60 | 3.0 | <1 | 145 | <0.1 | 0.32 | <0.1 | 6.8 | 21 | 16.0 | 2.20 | 6 | 0.04 | 0.10 | 7 | 0.73 | 216 | 0.6 |
| 1161078 | Soil | 3.5 | 0.1 | 1.78 | 4.6 | <1 | 175 | 0.1 | 0.32 | <0.1 | 11.3 | 28 | 20.1 | 2.77 | 6 | 0.03 | 0.06 | 7 | 0.82 | 363 | 0.7 |
| 1161079 | Soil | 1.7 | 0.1 | 1.89 | 3.8 | <1 | 219 | 0.1 | 0.41 | <0.1 | 10.3 | 25 | 20.9 | 2.72 | 7 | 0.03 | 0.14 | 10 | 0.85 | 387 | 0.6 |
| 1160100 | Soil | 3.7 | <0.1 | 1.75 | 5.9 | <1 | 151 | 0.1 | 0.42 | <0.1 | 10.2 | 27 | 19.3 | 2.86 | 6 | 0.03 | 0.13 | 8 | 0.88 | 288 | 0.7 |
| 1160799 | Soil | 2.1 | <0.1 | 2.69 | 5.8 | <1 | 295 | 0.1 | 0.35 | 0.1 | 16.4 | 32 | 43.5 | 3.92 | 8 | 0.02 | 0.39 | 9 | 1.17 | 475 | 0.8 |
| 1160753 | Soil | 4.7 | <0.1 | 2.39 | 5.0 | <1 | 242 | <0.1 | 0.44 | <0.1 | 24.0 | 31 | 57.1 | 3.58 | 6 | 0.02 | 0.17 | 7 | 1.17 | 440 | 1.2 |
| 1160800 | Soil | 1.3 | 0.2 | 2.28 | 1.9 | <1 | 382 | <0.1 | 0.33 | <0.1 | 12.0 | 16 | 40.2 | 3.46 | 8 | 0.02 | 0.62 | 13 | 1.11 | 326 | 3.6 |
| 1160833 | Soil | 0.7 | 0.2 | 1.84 | 4.4 | 1 | 352 | 0.1 | 0.37 | 0.2 | 9.2 | 26 | 34.2 | 2.54 | 7 | 0.04 | 0.11 | 9 | 0.68 | 298 | 0.9 |
| 1160832 | Soil | 2.3 | 0.2 | 2.20 | 5.0 | 1 | 284 | 0.1 | 0.37 | 0.1 | 11.3 | 33 | 35.7 | 3.01 | 7 | 0.04 | 0.09 | 10 | 0.80 | 324 | 0.7 |
| 1160703 | Soil | 7.5 | 0.2 | 2.57 | 2.2 | 1 | 278 | <0.1 | 0.56 | <0.1 | 20.1 | 37 | 55.2 | 3.91 | 8 | 0.01 | 0.42 | 5 | 1.33 | 452 | 0.5 |
| 1160702 | Soil | 1.2 | 0.2 | 1.90 | 1.4 | 1 | 172 | <0.1 | 0.40 | <0.1 | 8.2 | 29 | 27.2 | 2.16 | 7 | 0.05 | 0.20 | 5 | 0.91 | 222 | 0.8 |
| 1160735 | Soil | <0.5 | <0.1 | 1.75 | 6.4 | <1 | 269 | <0.1 | 0.45 | <0.1 | 12.0 | 25 | 28.6 | 3.00 | 7 | 0.01 | 0.25 | 6 | 1.07 | 388 | 0.7 |
| 1160738 | Soil | 4.1 | <0.1 | 1.54 | 3.1 | <1 | 128 | <0.1 | 0.26 | <0.1 | 6.3 | 20 | 15.1 | 2.21 | 5 | 0.04 | 0.05 | 7 | 0.66 | 166 | 0.4 |
| 1160731 | Soil | 2.0 | <0.1 | 1.37 | 2.8 | <1 | 158 | <0.1 | 0.30 | <0.1 | 5.1 | 24 | 13.6 | 1.87 | 6 | 0.06 | 0.06 | 7 | 0.52 | 153 | 0.4 |

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Report Date: August 21, 2011



# CERTIFICATE OF ANALYSIS DAW11000141.1

| | 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 |
| 1167538 | Soil | 0.022 | 18.9 | 0.066 | 6.4 | <0.05 | 0.1 | 5.1 | <0.5 | 27 | <0.2 | 1.9 | 0.140 | <0.1 | 0.7 | 86 | <0.1 | 78 |
| 1167547 | Soil | 0.013 | 18.9 | 0.059 | 6.4 | <0.05 | 0.3 | 4.1 | <0.5 | 22 | <0.2 | 2.2 | 0.124 | <0.1 | 0.6 | 67 | 0.1 | 63 |
| 1160091 | Soil | 0.020 | 21.8 | 0.078 | 6.5 | <0.05 | 0.3 | 7.7 | 0.6 | 23 | <0.2 | 2.4 | 0.125 | <0.1 | 0.8 | 95 | 0.1 | 77 |
| 1160093 | Soil | 0.035 | 15.5 | 0.089 | 5.9 | <0.05 | 0.2 | 4.1 | <0.5 | 28 | <0.2 | 1.5 | 0.090 | <0.1 | 0.5 | 64 | 0.1 | 53 |
| 1160092 | Soil | 0.023 | 16.6 | 0.096 | 4.7 | <0.05 | 0.2 | 4.3 | <0.5 | 23 | <0.2 | 2.3 | 0.181 | <0.1 | 0.4 | 93 | 0.1 | 71 |
| 1160094 | Soil | 0.037 | 15.0 | 0.073 | 5.9 | <0.05 | 0.2 | 4.3 | <0.5 | 23 | <0.2 | 1.4 | 0.100 | <0.1 | 0.5 | 61 | 0.1 | 49 |
| 1160095 | Soil | 0.055 | 9.3 | 0.124 | 4.4 | <0.05 | 0.2 | 3.2 | <0.5 | 26 | <0.2 | 0.4 | 0.069 | <0.1 | 0.4 | 65 | <0.1 | 37 |
| 1160097 | Soil | 0.025 | 15.6 | 0.098 | 6.1 | <0.05 | 0.2 | 4.4 | <0.5 | 25 | <0.2 | 2.1 | 0.154 | <0.1 | 0.5 | 81 | 0.1 | 69 |
| 1160096 | Soil | 0.018 | 13.3 | 0.071 | 6.7 | <0.05 | 0.2 | 3.9 | <0.5 | 21 | <0.2 | 1.8 | 0.132 | <0.1 | 0.5 | 70 | <0.1 | 63 |
| 1161077 | Soil | 0.022 | 13.6 | 0.062 | 7.0 | <0.05 | 0.2 | 3.9 | <0.5 | 23 | <0.2 | 1.3 | 0.093 | <0.1 | 0.5 | 71 | 0.1 | 59 |
| 1161075 | Soil | 0.016 | 12.6 | 0.047 | 7.1 | <0.05 | 0.2 | 3.8 | <0.5 | 21 | <0.2 | 1.4 | 0.083 | <0.1 | 0.6 | 62 | <0.1 | 51 |
| 1161076 | Soil | 0.021 | 14.3 | 0.047 | 7.0 | <0.05 | 0.2 | 4.3 | <0.5 | 22 | <0.2 | 1.6 | 0.102 | <0.1 | 0.5 | 72 | 0.1 | 64 |
| 1160098 | Soil | 0.019 | 15.0 | 0.074 | 6.7 | <0.05 | 0.2 | 3.9 | <0.5 | 23 | <0.2 | 1.8 | 0.143 | <0.1 | 0.5 | 78 | 0.1 | 64 |
| 1160099 | Soil | 0.018 | 18.0 | 0.066 | 6.8 | <0.05 | 0.2 | 3.6 | <0.5 | 27 | <0.2 | 2.4 | 0.137 | <0.1 | 0.6 | 74 | 0.2 | 72 |
| 1161074 | Soil | 0.020 | 15.6 | 0.049 | 7.4 | <0.05 | 0.3 | 3.7 | <0.5 | 23 | <0.2 | 2.1 | 0.116 | <0.1 | 0.5 | 67 | 0.1 | 64 |
| 1167545 | Soil | 0.016 | 22.1 | 0.026 | 7.8 | <0.05 | 0.4 | 5.4 | <0.5 | 18 | <0.2 | 2.3 | 0.235 | 0.1 | 0.5 | 128 | <0.1 | 77 |
| 1161080 | Soil | 0.020 | 11.0 | 0.053 | 6.0 | <0.05 | 0.1 | 3.9 | <0.5 | 22 | <0.2 | 1.4 | 0.115 | <0.1 | 0.5 | 54 | 0.1 | 55 |
| 1161078 | Soil | 0.019 | 14.6 | 0.057 | 8.2 | <0.05 | 0.2 | 3.7 | <0.5 | 21 | <0.2 | 1.6 | 0.104 | <0.1 | 0.5 | 75 | 0.1 | 66 |
| 1161079 | Soil | 0.017 | 13.5 | 0.069 | 7.0 | <0.05 | 0.2 | 4.4 | <0.5 | 23 | <0.2 | 2.1 | 0.123 | 0.1 | 0.6 | 70 | <0.1 | 64 |
| 1160100 | Soil | 0.017 | 16.0 | 0.073 | 6.4 | <0.05 | 0.2 | 3.4 | <0.5 | 26 | <0.2 | 2.0 | 0.130 | <0.1 | 0.5 | 78 | 0.1 | 68 |
| 1160799 | Soil | 0.018 | 19.2 | 0.060 | 6.9 | <0.05 | 0.3 | 4.3 | <0.5 | 21 | <0.2 | 2.9 | 0.183 | 0.2 | 0.7 | 104 | <0.1 | 80 |
| 1160753 | Soil | 0.023 | 21.0 | 0.047 | 7.2 | <0.05 | 0.5 | 5.4 | <0.5 | 35 | <0.2 | 2.4 | 0.103 | <0.1 | 0.6 | 90 | <0.1 | 71 |
| 1160800 | Soil | 0.018 | 8.9 | 0.078 | 10.0 | 0.10 | 0.1 | 5.8 | 0.5 | 30 | <0.2 | 2.7 | 0.161 | 0.2 | 0.9 | 70 | <0.1 | 139 |
| 1160833 | Soil | 0.019 | 14.6 | 0.056 | 7.0 | <0.05 | 0.2 | 4.3 | <0.5 | 30 | <0.2 | 0.9 | 0.095 | <0.1 | 0.8 | 75 | <0.1 | 52 |
| 1160832 | Soil | 0.018 | 19.6 | 0.049 | 7.6 | <0.05 | 0.3 | 4.7 | <0.5 | 29 | <0.2 | 2.3 | 0.121 | <0.1 | 0.8 | 81 | <0.1 | 63 |
| 1160703 | Soil | 0.024 | 18.9 | 0.074 | 4.5 | <0.05 | 0.1 | 6.1 | <0.5 | 33 | <0.2 | 1.1 | 0.153 | 0.2 | 0.3 | 130 | <0.1 | 77 |
| 1160702 | Soil | 0.021 | 12.6 | 0.053 | 7.9 | <0.05 | <0.1 | 3.4 | <0.5 | 29 | <0.2 | 1.0 | 0.137 | <0.1 | 0.5 | 60 | <0.1 | 65 |
| 1160735 | Soil | 0.017 | 14.0 | 0.093 | 7.5 | <0.05 | 0.1 | 3.3 | <0.5 | 27 | <0.2 | 1.6 | 0.129 | 0.2 | 0.3 | 97 | 0.1 | 76 |
| 1160738 | Soil | 0.022 | 10.2 | 0.053 | 5.9 | <0.05 | 0.2 | 3.2 | <0.5 | 20 | <0.2 | 1.1 | 0.102 | <0.1 | 0.5 | 52 | <0.1 | 51 |
| 1160731 | Soil | 0.017 | 9.3 | 0.052 | 6.3 | <0.05 | 0.2 | 2.9 | 0.5 | 23 | <0.2 | 1.2 | 0.104 | <0.1 | 0.5 | 41 | <0.1 | 42 |

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Project: TSL
Report Date: August 21, 2011



# CERTIFICATE OF ANALYSIS DAW11000141.1

| | 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 |
| 1160834 | Soil | 3.3 | <0.1 | 2.46 | 2.8 | 1 | 306 | <0.1 | 0.56 | 0.1 | 15.7 | 30 | 41.3 | 3.68 | 8 | 0.03 | 0.26 | 8 | 1.36 | 494 | 0.4 |
| 1160734 | Soil | 1.5 | <0.1 | 1.42 | 2.9 | <1 | 153 | <0.1 | 0.35 | <0.1 | 7.5 | 21 | 18.9 | 2.20 | 5 | 0.02 | 0.11 | 6 | 0.61 | 190 | 0.5 |
| 1160831 | Soil | 1.1 | <0.1 | 1.58 | 3.5 | <1 | 137 | <0.1 | 0.30 | <0.1 | 7.8 | 22 | 15.9 | 2.50 | 5 | 0.03 | 0.07 | 7 | 0.73 | 216 | 0.6 |
| 1160732 | Soil | 5.6 | 0.1 | 1.73 | 5.0 | <1 | 193 | 0.1 | 0.36 | 0.2 | 12.5 | 28 | 20.0 | 2.76 | 6 | 0.03 | 0.08 | 9 | 0.71 | 398 | 0.6 |
| 1160756 | Soil | 2.7 | <0.1 | 3.28 | 1.0 | <1 | 589 | <0.1 | 0.38 | <0.1 | 29.1 | 77 | 74.6 | 6.39 | 12 | 0.01 | 1.09 | 9 | 2.66 | 806 | 0.5 |
| 1160754 | Soil | <0.5 | <0.1 | 3.08 | 0.8 | <1 | 293 | <0.1 | 0.61 | <0.1 | 24.4 | 7 | 38.1 | 6.17 | 11 | <0.01 | 0.74 | 6 | 2.35 | 356 | 0.3 |
| 1160752 | Soil | 1.1 | <0.1 | 2.48 | 5.9 | <1 | 177 | <0.1 | 0.35 | 0.1 | 15.7 | 36 | 45.6 | 3.95 | 8 | 0.02 | 0.21 | 7 | 1.27 | 460 | 1.5 |
| 1160796 | Soil | 2.5 | <0.1 | 3.39 | 0.7 | <1 | 642 | <0.1 | 0.45 | 0.1 | 29.9 | 68 | 75.5 | 6.71 | 12 | 0.01 | 1.16 | 9 | 2.83 | 870 | 0.5 |
| 1160797 | Soil | 0.7 | <0.1 | 2.56 | 3.0 | <1 | 354 | <0.1 | 0.39 | <0.1 | 20.7 | 29 | 79.7 | 4.33 | 8 | <0.01 | 0.58 | 9 | 1.66 | 411 | 0.4 |
| 1160755 | Soil | <0.5 | <0.1 | 2.68 | 2.4 | <1 | 376 | <0.1 | 0.51 | <0.1 | 25.6 | 24 | 48.4 | 5.30 | 11 | <0.01 | 1.02 | 8 | 2.06 | 407 | 0.5 |
| 1160835 | Soil | 1.8 | <0.1 | 2.23 | 6.2 | <1 | 240 | <0.1 | 0.50 | 0.2 | 14.7 | 31 | 34.4 | 3.48 | 7 | 0.03 | 0.07 | 8 | 1.01 | 494 | 0.7 |
| 1160730 | Soil | 0.7 | 0.1 | 1.66 | 3.6 | 1 | 330 | <0.1 | 0.42 | 0.1 | 6.5 | 24 | 21.2 | 2.44 | 5 | 0.03 | 0.05 | 8 | 0.59 | 163 | 0.4 |
| 1160701 | Soil | 2.7 | 0.3 | 1.68 | 3.3 | 3 | 237 | 0.1 | 0.25 | 0.1 | 8.2 | 34 | 47.9 | 1.82 | 5 | 0.08 | 0.16 | 8 | 0.68 | 157 | 0.8 |
| 1160733 | Soil | 3.0 | 0.1 | 1.08 | 5.3 | 3 | 144 | 0.1 | 0.25 | <0.1 | 5.3 | 20 | 17.2 | 2.00 | 4 | 0.04 | 0.06 | 6 | 0.43 | 122 | 0.4 |
| 1160737 | Soil | 1.5 | <0.1 | 2.29 | 3.8 | 2 | 282 | <0.1 | 0.47 | <0.1 | 14.9 | 25 | 36.0 | 3.51 | 7 | 0.01 | 0.28 | 8 | 1.29 | 311 | 0.6 |
| 1160798 | Soil | <0.5 | <0.1 | 3.16 | 1.7 | 1 | 611 | <0.1 | 0.29 | <0.1 | 31.9 | 44 | 91.6 | 5.58 | 10 | <0.01 | 0.61 | 8 | 1.50 | 691 | 0.6 |
| 1160836 | Soil | 10.5 | 0.1 | 2.18 | 6.4 | 3 | 274 | 0.1 | 0.63 | 0.1 | 21.1 | 30 | 38.5 | 3.71 | 7 | 0.06 | 0.12 | 9 | 1.10 | 769 | 0.7 |
| 1160736 | Soil | 2.3 | <0.1 | 2.32 | 4.5 | 1 | 292 | <0.1 | 0.50 | 0.1 | 15.6 | 27 | 37.4 | 3.67 | 8 | 0.01 | 0.28 | 9 | 1.34 | 323 | 0.6 |

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Project: TSL
Report Date: August 21, 2011



# CERTIFICATE OF ANALYSIS DAW11000141.1

| | 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 |
| 1160834 | Soil | 0.027 | 15.5 | 0.063 | 5.4 | <0.05 | 0.2 | 6.9 | <0.5 | 31 | <0.2 | 1.8 | 0.153 | <0.1 | 0.5 | 118 | <0.1 | 77 |
| 1160734 | Soil | 0.024 | 11.9 | 0.076 | 5.3 | <0.05 | 0.2 | 3.1 | <0.5 | 25 | <0.2 | 1.1 | 0.089 | <0.1 | 0.4 | 60 | <0.1 | 56 |
| 1160831 | Soil | 0.021 | 12.4 | 0.059 | 5.7 | <0.05 | 0.2 | 2.9 | <0.5 | 23 | <0.2 | 1.7 | 0.114 | <0.1 | 0.5 | 67 | <0.1 | 55 |
| 1160732 | Soil | 0.024 | 17.3 | 0.069 | 6.9 | <0.05 | 0.3 | 3.5 | <0.5 | 23 | <0.2 | 1.8 | 0.094 | <0.1 | 0.5 | 67 | 0.1 | 68 |
| 1160756 | Soil | 0.025 | 24.1 | 0.077 | 3.2 | <0.05 | <0.1 | 13.9 | <0.5 | 12 | <0.2 | 2.1 | 0.217 | 0.3 | 0.5 | 162 | <0.1 | 124 |
| 1160754 | Soil | 0.022 | 4.6 | 0.207 | 1.8 | <0.05 | <0.1 | 7.9 | <0.5 | 7 | <0.2 | 0.9 | 0.184 | 0.2 | 0.4 | 150 | <0.1 | 80 |
| 1160752 | Soil | 0.017 | 20.6 | 0.032 | 7.0 | <0.05 | 0.3 | 3.7 | 0.7 | 23 | <0.2 | 2.3 | 0.174 | 0.1 | 0.6 | 98 | <0.1 | 69 |
| 1160796 | Soil | 0.026 | 20.4 | 0.109 | 3.0 | <0.05 | <0.1 | 15.1 | 0.8 | 13 | <0.2 | 2.0 | 0.223 | 0.3 | 0.5 | 158 | <0.1 | 127 |
| 1160797 | Soil | 0.025 | 19.9 | 0.066 | 3.7 | <0.05 | 0.2 | 5.7 | <0.5 | 13 | <0.2 | 2.8 | 0.192 | 0.1 | 0.6 | 136 | <0.1 | 79 |
| 1160755 | Soil | 0.020 | 14.1 | 0.144 | 3.6 | <0.05 | 0.1 | 7.4 | <0.5 | 13 | <0.2 | 2.2 | 0.205 | 0.3 | 0.5 | 110 | <0.1 | 99 |
| 1160835 | Soil | 0.030 | 16.7 | 0.043 | 6.5 | <0.05 | 0.3 | 5.5 | <0.5 | 32 | <0.2 | 1.9 | 0.125 | <0.1 | 0.6 | 100 | <0.1 | 66 |
| 1160730 | Soil | 0.019 | 12.9 | 0.072 | 5.7 | <0.05 | 0.2 | 3.5 | <0.5 | 26 | <0.2 | 1.4 | 0.087 | <0.1 | 0.6 | 54 | <0.1 | 58 |
| 1160701 | Soil | 0.016 | 13.0 | 0.072 | 8.8 | 0.13 | 0.2 | 4.5 | 0.9 | 26 | <0.2 | 0.7 | 0.063 | <0.1 | 1.0 | 51 | <0.1 | 48 |
| 1160733 | Soil | 0.016 | 10.3 | 0.076 | 5.3 | 0.05 | 0.2 | 1.8 | 0.8 | 19 | <0.2 | 0.6 | 0.057 | <0.1 | 0.5 | 42 | 0.2 | 41 |
| 1160737 | Soil | 0.032 | 14.9 | 0.095 | 5.9 | <0.05 | 0.2 | 4.6 | 0.5 | 25 | <0.2 | 2.5 | 0.185 | 0.1 | 0.5 | 93 | 0.1 | 74 |
| 1160798 | Soil | 0.025 | 14.7 | 0.043 | 3.3 | <0.05 | <0.1 | 9.0 | <0.5 | 16 | <0.2 | 2.0 | 0.138 | 0.2 | 0.5 | 167 | 0.1 | 75 |
| 1160836 | Soil | 0.025 | 18.0 | 0.075 | 7.4 | <0.05 | 0.3 | 6.1 | 0.5 | 38 | <0.2 | 1.9 | 0.125 | <0.1 | 0.7 | 105 | 0.2 | 71 |
| 1160736 | Soil | 0.037 | 15.6 | 0.096 | 6.0 | <0.05 | 0.3 | 5.2 | <0.5 | 27 | <0.2 | 2.8 | 0.210 | <0.1 | 0.6 | 98 | 0.1 | 78 |

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Project: TSL
Report Date: August 21, 2011



# QUALITY CONTROL REPORT DAW11000141.1

| | 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 | | | | | | | | | | | | | | | | | | | | | |
| 1167512 | Soil | 2.4 | <0.1 | 2.41 | 5.8 | 2 | 305 | <0.1 | 0.38 | 0.1 | 15.2 | 33 | 35.9 | 3.60 | 7 | <0.01 | 0.33 | 9 | 1.15 | 414 | 0.6 |
| REP 1167512 | QC | 2.5 | <0.1 | 2.30 | 5.5 | 1 | 294 | <0.1 | 0.38 | <0.1 | 14.5 | 31 | 34.3 | 3.46 | 7 | 0.01 | 0.31 | 9 | 1.11 | 399 | 0.6 |
| 1161357 | Soil | 4.5 | 0.1 | 2.36 | 4.0 | 1 | 230 | 0.1 | 0.39 | 0.1 | 13.6 | 27 | 38.2 | 3.80 | 9 | 0.04 | 0.09 | 8 | 1.18 | 461 | 0.5 |
| REP 1161357 | QC | 4.6 | 0.1 | 2.23 | 3.6 | 1 | 217 | <0.1 | 0.37 | 0.1 | 12.7 | 26 | 36.5 | 3.55 | 8 | 0.04 | 0.09 | 7 | 1.08 | 430 | 0.5 |
| 1161345 | Soil | 2.1 | <0.1 | 1.83 | 6.3 | 1 | 278 | 0.1 | 0.32 | 0.2 | 12.7 | 30 | 32.5 | 2.99 | 5 | 0.05 | 0.06 | 11 | 0.70 | 198 | 0.8 |
| REP 1161345 | QC | 2.7 | <0.1 | 1.87 | 6.6 | <1 | 275 | 0.1 | 0.31 | 0.1 | 13.0 | 31 | 32.7 | 3.03 | 5 | 0.04 | 0.06 | 10 | 0.72 | 201 | 0.8 |
| 1161311 | Soil | 3.6 | <0.1 | 2.37 | 5.3 | 1 | 262 | <0.1 | 0.24 | 0.1 | 13.7 | 30 | 45.5 | 3.28 | 5 | <0.01 | 0.42 | 9 | 1.02 | 338 | 0.7 |
| REP 1161311 | QC | 2.7 | <0.1 | 2.37 | 5.0 | 1 | 261 | <0.1 | 0.23 | <0.1 | 13.2 | 29 | 43.6 | 3.15 | 5 | 0.02 | 0.40 | 9 | 1.02 | 327 | 0.7 |
| 1167534 | Soil | 2.1 | 0.1 | 2.42 | 24.1 | 1 | 409 | <0.1 | 0.49 | <0.1 | 16.6 | 36 | 80.4 | 3.97 | 8 | 0.02 | 0.82 | 4 | 1.52 | 368 | 0.9 |
| REP 1167534 | QC | 1.9 | 0.1 | 2.47 | 24.4 | <1 | 408 | <0.1 | 0.48 | <0.1 | 16.5 | 37 | 80.7 | 3.95 | 7 | 0.02 | 0.83 | 4 | 1.53 | 368 | 0.8 |
| 1160097 | Soil | 2.7 | <0.1 | 1.91 | 4.2 | <1 | 218 | 0.1 | 0.50 | 0.1 | 11.9 | 27 | 22.2 | 3.00 | 7 | 0.02 | 0.18 | 8 | 1.01 | 358 | 0.7 |
| REP 1160097 | QC | 9.1 | <0.1 | 1.90 | 4.1 | <1 | 211 | 0.1 | 0.53 | 0.1 | 11.4 | 27 | 22.0 | 2.98 | 7 | 0.04 | 0.17 | 8 | 1.02 | 350 | 0.6 |
| 1160732 | Soil | 5.6 | 0.1 | 1.73 | 5.0 | <1 | 193 | 0.1 | 0.36 | 0.2 | 12.5 | 28 | 20.0 | 2.76 | 6 | 0.03 | 0.08 | 9 | 0.71 | 398 | 0.6 |
| REP 1160732 | QC | 0.6 | <0.1 | 1.74 | 4.8 | 1 | 187 | <0.1 | 0.37 | 0.2 | 12.6 | 29 | 19.5 | 2.82 | 6 | 0.05 | 0.08 | 8 | 0.71 | 403 | 0.7 |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | |
| STD DS8 | Standard | 113.1 | 1.8 | 0.92 | 24.8 | 3 | 282 | 6.9 | 0.68 | 2.2 | 7.6 | 117 | 111.0 | 2.46 | 5 | 0.21 | 0.41 | 15 | 0.62 | 607 | 14.1 |
| STD DS8 | Standard | 133.6 | 1.7 | 0.85 | 25.0 | 2 | 251 | 6.2 | 0.70 | 2.2 | 7.4 | 115 | 110.0 | 2.35 | 4 | 0.19 | 0.39 | 12 | 0.61 | 572 | 12.5 |
| STD DS8 | Standard | 106.5 | 1.7 | 0.94 | 24.6 | 2 | 284 | 6.3 | 0.72 | 2.5 | 7.7 | 116 | 112.4 | 2.50 | 4 | 0.20 | 0.44 | 14 | 0.60 | 607 | 13.2 |
| STD DS8 | Standard | 107.9 | 1.7 | 0.95 | 24.8 | 2 | 283 | 6.6 | 0.77 | 2.5 | 7.5 | 121 | 111.0 | 2.50 | 5 | 0.20 | 0.41 | 16 | 0.65 | 635 | 13.7 |
| STD DS8 | Standard | 123.3 | 1.8 | 0.96 | 25.7 | 2 | 287 | 6.5 | 0.71 | 2.3 | 8.0 | 124 | 113.2 | 2.53 | 5 | 0.20 | 0.43 | 14 | 0.63 | 665 | 13.4 |
| 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 |

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Project: TSL
Report Date: August 21, 2011



# QUALITY CONTROL REPORT DAW11000141.1

| | 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 | | | | | | | | | | | | | | | | | | |
| 1167512 | Soil | 0.012 | 19.0 | 0.049 | 5.5 | <0.05 | 0.3 | 4.8 | <0.5 | 18 | <0.2 | 2.5 | 0.163 | 0.1 | 0.5 | 99 | 0.1 | 58 |
| REP 1167512 | QC | 0.014 | 18.4 | 0.049 | 5.4 | <0.05 | 0.3 | 4.7 | <0.5 | 17 | <0.2 | 2.5 | 0.157 | 0.1 | 0.5 | 95 | <0.1 | 55 |
| 1161357 | Soil | 0.020 | 14.5 | 0.069 | 6.7 | <0.05 | 0.2 | 6.3 | <0.5 | 25 | <0.2 | 1.6 | 0.131 | <0.1 | 0.7 | 104 | <0.1 | 86 |
| REP 1161357 | QC | 0.021 | 13.7 | 0.065 | 6.2 | <0.05 | 0.2 | 6.4 | <0.5 | 24 | <0.2 | 1.6 | 0.127 | <0.1 | 0.7 | 96 | <0.1 | 83 |
| 1161345 | Soil | 0.016 | 19.9 | 0.067 | 8.1 | <0.05 | 0.3 | 4.2 | 0.6 | 24 | <0.2 | 2.6 | 0.100 | <0.1 | 0.8 | 68 | 0.1 | 63 |
| REP 1161345 | QC | 0.016 | 20.5 | 0.065 | 8.4 | <0.05 | 0.4 | 4.4 | 0.6 | 23 | <0.2 | 2.7 | 0.100 | <0.1 | 0.8 | 69 | 0.1 | 65 |
| 1161311 | Soil | 0.016 | 20.1 | 0.037 | 5.3 | <0.05 | 0.2 | 3.4 | 0.5 | 28 | <0.2 | 1.8 | 0.140 | 0.2 | 0.5 | 92 | <0.1 | 49 |
| REP 1161311 | QC | 0.018 | 18.7 | 0.038 | 5.4 | <0.05 | 0.3 | 3.1 | 0.6 | 26 | <0.2 | 1.8 | 0.141 | 0.1 | 0.5 | 93 | <0.1 | 46 |
| 1167534 | Soil | 0.021 | 19.2 | 0.079 | 3.8 | <0.05 | 1.1 | 4.2 | <0.5 | 28 | <0.2 | 1.1 | 0.214 | 0.5 | 0.4 | 129 | <0.1 | 90 |
| REP 1167534 | QC | 0.021 | 19.1 | 0.077 | 3.7 | <0.05 | 1.0 | 4.1 | <0.5 | 28 | <0.2 | 1.0 | 0.219 | 0.4 | 0.4 | 131 | <0.1 | 89 |
| 1160097 | Soil | 0.025 | 15.6 | 0.098 | 6.1 | <0.05 | 0.2 | 4.4 | <0.5 | 25 | <0.2 | 2.1 | 0.154 | <0.1 | 0.5 | 81 | 0.1 | 69 |
| REP 1160097 | QC | 0.025 | 15.2 | 0.098 | 5.8 | <0.05 | 0.2 | 4.3 | <0.5 | 26 | <0.2 | 2.0 | 0.153 | <0.1 | 0.5 | 79 | 0.1 | 68 |
| 1160732 | Soil | 0.024 | 17.3 | 0.069 | 6.9 | <0.05 | 0.3 | 3.5 | <0.5 | 23 | <0.2 | 1.8 | 0.094 | <0.1 | 0.5 | 67 | 0.1 | 68 |
| REP 1160732 | QC | 0.024 | 16.5 | 0.070 | 7.1 | <0.05 | 0.2 | 3.5 | <0.5 | 24 | <0.2 | 1.8 | 0.097 | <0.1 | 0.6 | 69 | <0.1 | 67 |
| Reference Materials | | | | | | | | | | | | | | | | | | |
| STD DS8 | Standard | 0.084 | 37.8 | 0.080 | 132.1 | 0.16 | 5.4 | 2.1 | 4.6 | 73 | 5.2 | 7.3 | 0.122 | 5.4 | 2.8 | 45 | 3.0 | 304 |
| STD DS8 | Standard | 0.084 | 37.5 | 0.074 | 112.7 | 0.16 | 5.2 | 1.9 | 4.7 | 60 | 5.3 | 5.9 | 0.104 | 5.0 | 2.5 | 40 | 2.7 | 298 |
| STD DS8 | Standard | 0.106 | 38.1 | 0.081 | 112.3 | 0.17 | 5.5 | 2.4 | 6.5 | 68 | 4.6 | 6.0 | 0.114 | 5.3 | 2.5 | 42 | 3.0 | 306 |
| STD DS8 | Standard | 0.094 | 39.8 | 0.084 | 126.2 | 0.17 | 5.8 | 2.3 | 5.7 | 70 | 5.7 | 7.4 | 0.118 | 5.5 | 3.0 | 44 | 2.9 | 323 |
| STD DS8 | Standard | 0.107 | 39.2 | 0.082 | 128.7 | 0.15 | 5.4 | 2.7 | 5.0 | 70 | 5.1 | 7.0 | 0.120 | 5.7 | 2.8 | 43 | 3.0 | 314 |
| 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 |

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