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: July 31, 2011
Report Date: August 20, 2011


# CERTIFICATE OF ANALYSIS DAW11000107.1

## CLIENT JOB INFORMATION

Project: TSL
Shipment ID: TSL2011-01
P.O. Number
Number of Samples: 165

## 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 | 165 | Dry at 60C sieve 100g to -80 mesh | | | WHI |
| Dry at 60C | 165 | Dry at 60C | | | WHI |
| 1DX2 | 165 | 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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Report Date: August 20, 2011



# CERTIFICATE OF ANALYSIS DAW11000107.1

| | 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 |
| 1161169 | Soil | 2.7 | <0.1 | 1.27 | 4.4 | <1 | 99 | <0.1 | 0.27 | <0.1 | 9.5 | 38 | 43.0 | 1.74 | 4 | 0.02 | 0.02 | 6 | 0.52 | 182 | 0.4 |
| 1161168 | Soil | 6.2 | 0.1 | 1.62 | 5.1 | 1 | 219 | 0.1 | 0.33 | 0.1 | 10.0 | 40 | 33.4 | 2.19 | 5 | 0.04 | 0.05 | 11 | 0.58 | 200 | 0.7 |
| 1161167 | Soil | 11.7 | <0.1 | 1.57 | 7.5 | 1 | 224 | 0.1 | 0.47 | 0.1 | 13.9 | 49 | 42.0 | 2.71 | 5 | 0.07 | 0.04 | 11 | 0.70 | 307 | 0.6 |
| 1161166 | Soil | 4.2 | <0.1 | 1.73 | 5.0 | 2 | 368 | 0.1 | 0.93 | 0.2 | 14.1 | 47 | 61.4 | 3.20 | 6 | 0.07 | 0.05 | 12 | 0.87 | 430 | 0.5 |
| 1161165 | Soil | 3.5 | <0.1 | 1.20 | 8.0 | 2 | 213 | <0.1 | 0.69 | 0.2 | 19.5 | 39 | 57.5 | 4.36 | 4 | 0.08 | 0.06 | 9 | 0.71 | 658 | 0.7 |
| 1161161 | Soil | 2.5 | <0.1 | 1.73 | 5.9 | <1 | 184 | 0.1 | 0.32 | <0.1 | 9.1 | 26 | 21.2 | 2.86 | 6 | 0.02 | 0.09 | 9 | 0.56 | 287 | 0.6 |
| 1161164 | Soil | 38.9 | 0.6 | 1.96 | 6.7 | <1 | 382 | 0.3 | 0.38 | 0.3 | 11.0 | 26 | 53.7 | 3.57 | 7 | 0.12 | 0.06 | 35 | 0.46 | 379 | 1.2 |
| 1161162 | Soil | 4.4 | <0.1 | 1.80 | 6.3 | <1 | 217 | 0.1 | 0.41 | <0.1 | 11.6 | 41 | 49.6 | 3.03 | 6 | 0.03 | 0.05 | 9 | 0.76 | 408 | 0.9 |
| 1161163 | Soil | 4.1 | <0.1 | 1.57 | 5.8 | 1 | 209 | 0.1 | 0.35 | <0.1 | 9.1 | 29 | 25.3 | 2.68 | 5 | 0.02 | 0.05 | 12 | 0.57 | 301 | 0.7 |
| 1161173 | Soil | 5.8 | <0.1 | 1.66 | 6.0 | 1 | 158 | <0.1 | 0.45 | 0.1 | 17.8 | 58 | 51.0 | 3.43 | 6 | 0.03 | 0.04 | 7 | 1.09 | 399 | 0.4 |
| 1161171 | Soil | 3.4 | <0.1 | 1.65 | 5.4 | 1 | 123 | <0.1 | 0.36 | <0.1 | 14.9 | 65 | 75.7 | 2.07 | 5 | 0.02 | 0.03 | 6 | 0.78 | 225 | 0.6 |
| 1161170 | Soil | 2.6 | <0.1 | 1.52 | 6.7 | 1 | 132 | <0.1 | 0.28 | <0.1 | 10.4 | 43 | 47.4 | 2.11 | 4 | 0.02 | 0.03 | 7 | 0.61 | 244 | 0.6 |
| 1161172 | Soil | 2.8 | <0.1 | 1.52 | 5.3 | 1 | 258 | 0.1 | 0.61 | 0.1 | 15.5 | 55 | 52.9 | 2.53 | 4 | 0.03 | 0.04 | 10 | 0.76 | 390 | 0.5 |
| 1161175 | Soil | 4.9 | 0.2 | 1.64 | 6.4 | 1 | 297 | 0.1 | 0.68 | 0.2 | 11.8 | 28 | 31.3 | 3.06 | 6 | 0.05 | 0.04 | 14 | 0.57 | 625 | 1.0 |
| 1161178 | Soil | 3.6 | <0.1 | 1.27 | 3.9 | <1 | 246 | 0.1 | 0.21 | 0.1 | 7.2 | 16 | 21.6 | 2.89 | 5 | 0.02 | 0.07 | 8 | 0.36 | 460 | 0.6 |
| 1161179 | Soil | 8.8 | 0.3 | 1.59 | 4.1 | <1 | 555 | 0.2 | 0.37 | 0.3 | 7.4 | 22 | 168.0 | 3.27 | 6 | 0.06 | 0.07 | 15 | 0.61 | 359 | 0.9 |
| 1161174 | Soil | 3.0 | <0.1 | 1.79 | 3.5 | 2 | 189 | <0.1 | 0.44 | 0.2 | 19.3 | 49 | 59.8 | 3.34 | 6 | 0.02 | 0.04 | 7 | 1.15 | 542 | 0.4 |
| 1161176 | Soil | 6.4 | <0.1 | 1.57 | 5.3 | <1 | 274 | 0.1 | 0.31 | 0.1 | 9.7 | 26 | 27.5 | 3.20 | 6 | 0.03 | 0.09 | 23 | 0.44 | 611 | 1.1 |
| 1161177 | Soil | 5.8 | <0.1 | 1.26 | 3.6 | <1 | 239 | 0.1 | 0.22 | <0.1 | 7.7 | 16 | 22.0 | 2.79 | 5 | 0.02 | 0.07 | 8 | 0.37 | 478 | 0.6 |
| 1161185 | Soil | 3.5 | <0.1 | 1.53 | 3.4 | <1 | 154 | <0.1 | 0.39 | 0.1 | 14.3 | 44 | 50.1 | 2.56 | 6 | 0.03 | 0.03 | 5 | 0.87 | 560 | 0.5 |
| 1161182 | Soil | 7.2 | 0.1 | 1.73 | 5.6 | 3 | 363 | 0.2 | 0.72 | 0.1 | 11.9 | 32 | 29.3 | 2.87 | 6 | 0.06 | 0.05 | 15 | 0.60 | 445 | 0.7 |
| 1161187 | Soil | 5.2 | <0.1 | 1.45 | 5.0 | 3 | 130 | 0.1 | 0.41 | 0.1 | 18.2 | 66 | 71.7 | 1.91 | 4 | 0.02 | 0.04 | 6 | 0.75 | 517 | 0.4 |
| 1161186 | Soil | 3.6 | <0.1 | 1.51 | 5.1 | 2 | 116 | 0.1 | 0.29 | <0.1 | 10.1 | 42 | 41.1 | 2.57 | 5 | 0.04 | 0.04 | 6 | 0.71 | 238 | 0.4 |
| 1161184 | Soil | 6.1 | <0.1 | 1.53 | 4.0 | 2 | 135 | <0.1 | 0.36 | 0.1 | 11.9 | 40 | 39.3 | 2.62 | 6 | 0.03 | 0.03 | 6 | 0.82 | 332 | 0.5 |
| 1161188 | Soil | 1.4 | 0.1 | 0.59 | 1.8 | 4 | 62 | 0.1 | 0.20 | <0.1 | 5.1 | 25 | 22.0 | 1.18 | 3 | 0.04 | 0.04 | 4 | 0.29 | 124 | 0.4 |
| 1161181 | Soil | 5.7 | <0.1 | 1.56 | 4.5 | 2 | 228 | 0.1 | 0.30 | 0.1 | 9.9 | 25 | 25.1 | 2.94 | 6 | 0.02 | 0.05 | 10 | 0.59 | 400 | 0.8 |
| 1161183 | Soil | 6.3 | 0.1 | 1.62 | 4.6 | 3 | 449 | 0.2 | 0.87 | 0.2 | 13.2 | 29 | 35.8 | 3.03 | 6 | 0.04 | 0.06 | 16 | 0.63 | 536 | 0.8 |
| 1161180 | Soil | 6.7 | <0.1 | 1.68 | 5.2 | 1 | 326 | 0.1 | 0.25 | <0.1 | 8.0 | 23 | 28.5 | 3.35 | 6 | 0.03 | 0.18 | 20 | 0.54 | 447 | 1.2 |
| 1090914 | Soil | 2.8 | <0.1 | 2.04 | 6.7 | 3 | 257 | 0.2 | 0.30 | <0.1 | 9.5 | 33 | 23.1 | 2.85 | 6 | 0.02 | 0.07 | 22 | 0.62 | 333 | 1.0 |
| 1090913 | Soil | 3.5 | <0.1 | 1.77 | 4.1 | 2 | 182 | 0.1 | 0.32 | <0.1 | 8.9 | 53 | 19.5 | 2.73 | 6 | <0.01 | 0.12 | 18 | 0.78 | 338 | 0.7 |

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# CERTIFICATE OF ANALYSIS DAW11000107.1

| | 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 |
| 1161169 | Soil | 0.012 | 21.4 | 0.029 | 4.6 | <0.05 | 0.2 | 2.4 | <0.5 | 14 | <0.2 | 1.5 | 0.069 | <0.1 | 0.3 | 49 | <0.1 | 36 |
| 1161168 | Soil | 0.014 | 24.1 | 0.042 | 6.2 | <0.05 | 0.3 | 3.2 | <0.5 | 19 | <0.2 | 3.4 | 0.070 | <0.1 | 0.6 | 54 | 0.1 | 49 |
| 1161167 | Soil | 0.017 | 33.1 | 0.056 | 6.9 | <0.05 | 0.4 | 7.1 | <0.5 | 22 | <0.2 | 3.2 | 0.061 | <0.1 | 0.6 | 68 | 0.1 | 54 |
| 1161166 | Soil | 0.018 | 27.6 | 0.071 | 5.4 | <0.05 | 0.4 | 10.2 | 0.6 | 34 | <0.2 | 2.0 | 0.047 | <0.1 | 0.7 | 87 | 0.1 | 63 |
| 1161165 | Soil | 0.022 | 24.6 | 0.094 | 5.7 | <0.05 | 0.5 | 8.5 | 0.6 | 30 | <0.2 | 2.3 | 0.055 | <0.1 | 0.4 | 102 | 0.2 | 70 |
| 1161161 | Soil | 0.012 | 15.5 | 0.051 | 9.9 | <0.05 | 0.3 | 3.7 | <0.5 | 21 | <0.2 | 3.0 | 0.102 | <0.1 | 0.5 | 59 | 0.1 | 63 |
| 1161164 | Soil | 0.013 | 16.8 | 0.062 | 98.2 | <0.05 | 0.4 | 12.6 | 1.2 | 26 | <0.2 | 3.2 | 0.050 | <0.1 | 1.4 | 54 | 0.1 | 117 |
| 1161162 | Soil | 0.018 | 21.3 | 0.054 | 12.4 | <0.05 | 0.3 | 5.0 | 0.6 | 24 | <0.2 | 3.5 | 0.092 | <0.1 | 0.6 | 72 | 0.1 | 148 |
| 1161163 | Soil | 0.017 | 15.4 | 0.050 | 14.4 | <0.05 | 0.3 | 5.0 | <0.5 | 23 | <0.2 | 3.1 | 0.085 | <0.1 | 0.7 | 56 | 0.1 | 80 |
| 1161173 | Soil | 0.014 | 32.8 | 0.066 | 4.7 | <0.05 | 0.3 | 6.6 | <0.5 | 19 | <0.2 | 1.7 | 0.048 | <0.1 | 0.4 | 99 | 0.1 | 63 |
| 1161171 | Soil | 0.012 | 58.0 | 0.037 | 5.6 | <0.05 | 0.2 | 3.3 | <0.5 | 17 | <0.2 | 1.3 | 0.062 | <0.1 | 0.4 | 53 | <0.1 | 40 |
| 1161170 | Soil | 0.013 | 26.0 | 0.027 | 5.6 | <0.05 | 0.2 | 3.3 | 0.6 | 16 | <0.2 | 1.9 | 0.068 | <0.1 | 0.4 | 56 | <0.1 | 40 |
| 1161172 | Soil | 0.018 | 38.0 | 0.051 | 6.0 | <0.05 | 0.4 | 5.7 | 0.6 | 24 | <0.2 | 1.8 | 0.050 | <0.1 | 0.6 | 59 | 0.1 | 52 |
| 1161175 | Soil | 0.019 | 18.1 | 0.059 | 16.8 | <0.05 | 0.4 | 5.8 | 0.7 | 42 | <0.2 | 1.9 | 0.065 | <0.1 | 0.9 | 65 | 0.1 | 71 |
| 1161178 | Soil | 0.010 | 9.2 | 0.040 | 24.5 | <0.05 | 0.3 | 4.7 | 0.6 | 17 | <0.2 | 2.3 | 0.065 | <0.1 | 0.5 | 37 | <0.1 | 95 |
| 1161179 | Soil | 0.014 | 12.3 | 0.045 | 33.7 | <0.05 | 0.3 | 6.4 | 0.7 | 26 | <0.2 | 3.3 | 0.086 | <0.1 | 0.8 | 45 | <0.1 | 295 |
| 1161174 | Soil | 0.015 | 27.2 | 0.074 | 4.8 | <0.05 | 0.2 | 6.9 | <0.5 | 21 | <0.2 | 1.7 | 0.049 | <0.1 | 0.4 | 99 | 0.1 | 72 |
| 1161176 | Soil | 0.013 | 14.7 | 0.034 | 21.5 | <0.05 | 0.3 | 7.7 | 0.7 | 19 | <0.2 | 3.6 | 0.079 | 0.1 | 0.9 | 54 | <0.1 | 86 |
| 1161177 | Soil | 0.009 | 9.2 | 0.043 | 23.0 | <0.05 | 0.2 | 4.5 | <0.5 | 18 | <0.2 | 2.2 | 0.061 | <0.1 | 0.5 | 38 | <0.1 | 92 |
| 1161185 | Soil | 0.017 | 21.9 | 0.074 | 4.2 | <0.05 | 0.2 | 4.1 | <0.5 | 21 | <0.2 | 1.1 | 0.071 | <0.1 | 0.3 | 77 | 0.1 | 62 |
| 1161182 | Soil | 0.020 | 19.8 | 0.048 | 15.8 | <0.05 | 0.4 | 6.4 | 0.6 | 36 | <0.2 | 3.1 | 0.065 | <0.1 | 1.1 | 68 | 0.1 | 69 |
| 1161187 | Soil | 0.015 | 42.1 | 0.036 | 5.3 | <0.05 | 0.3 | 3.9 | 0.5 | 19 | <0.2 | 1.2 | 0.043 | <0.1 | 0.4 | 48 | <0.1 | 45 |
| 1161186 | Soil | 0.015 | 23.3 | 0.053 | 4.9 | <0.05 | 0.4 | 4.0 | 0.7 | 17 | <0.2 | 1.4 | 0.037 | <0.1 | 0.4 | 73 | 0.1 | 47 |
| 1161184 | Soil | 0.017 | 19.3 | 0.061 | 5.0 | <0.05 | 0.3 | 4.0 | <0.5 | 23 | <0.2 | 1.2 | 0.060 | <0.1 | 0.3 | 77 | <0.1 | 58 |
| 1161188 | Soil | 0.015 | 11.0 | 0.042 | 3.7 | 0.06 | 0.2 | 1.5 | <0.5 | 14 | <0.2 | 0.2 | 0.038 | <0.1 | 0.3 | 30 | <0.1 | 22 |
| 1161181 | Soil | 0.018 | 13.5 | 0.037 | 21.7 | <0.05 | 0.3 | 5.0 | <0.5 | 22 | <0.2 | 3.0 | 0.071 | <0.1 | 0.6 | 59 | 0.1 | 83 |
| 1161183 | Soil | 0.021 | 20.6 | 0.054 | 13.1 | <0.05 | 0.5 | 6.3 | <0.5 | 40 | <0.2 | 3.3 | 0.052 | <0.1 | 1.2 | 67 | 0.1 | 66 |
| 1161180 | Soil | 0.012 | 14.9 | 0.025 | 20.4 | <0.05 | 0.4 | 7.7 | <0.5 | 24 | <0.2 | 4.8 | 0.089 | 0.1 | 1.4 | 44 | <0.1 | 99 |
| 1090914 | Soil | 0.014 | 20.6 | 0.045 | 11.5 | <0.05 | 0.4 | 4.9 | <0.5 | 27 | <0.2 | 6.1 | 0.103 | 0.1 | 1.2 | 57 | 0.1 | 61 |
| 1090913 | Soil | 0.012 | 24.9 | 0.054 | 9.0 | <0.05 | 0.3 | 4.0 | 0.7 | 26 | <0.2 | 4.5 | 0.114 | 0.1 | 0.9 | 55 | <0.1 | 57 |

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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 |
| 1090912 | Soil | 2.8 | <0.1 | 1.84 | 5.7 | 2 | 230 | 0.1 | 0.30 | 0.1 | 8.4 | 28 | 19.5 | 2.90 | 6 | 0.01 | 0.16 | 31 | 0.60 | 422 | 0.6 |
| 1090907 | Soil | 2.2 | <0.1 | 1.85 | 6.9 | 2 | 185 | 0.2 | 0.25 | 0.1 | 9.8 | 26 | 14.2 | 2.78 | 7 | 0.02 | 0.12 | 8 | 0.49 | 506 | 0.9 |
| 1090911 | Soil | 1.5 | <0.1 | 1.24 | 5.9 | 1 | 99 | 0.2 | 0.16 | <0.1 | 5.1 | 20 | 9.4 | 2.12 | 7 | 0.01 | 0.08 | 10 | 0.37 | 233 | 0.8 |
| 1090910 | Soil | 2.2 | <0.1 | 2.12 | 5.9 | 2 | 150 | 0.1 | 0.23 | <0.1 | 10.9 | 56 | 15.9 | 3.08 | 8 | 0.02 | 0.08 | 14 | 0.71 | 344 | 0.7 |
| 1090908 | Soil | 4.9 | <0.1 | 2.23 | 9.4 | 1 | 256 | 0.2 | 0.23 | <0.1 | 9.6 | 40 | 34.7 | 3.01 | 6 | 0.04 | 0.08 | 34 | 0.59 | 472 | 1.3 |
| 1090909 | Soil | 2.9 | <0.1 | 2.31 | 10.1 | 2 | 177 | 0.2 | 0.13 | 0.1 | 9.3 | 33 | 16.6 | 3.30 | 7 | 0.02 | 0.06 | 11 | 0.51 | 287 | 1.5 |
| 1090904 | Soil | <0.5 | <0.1 | 1.34 | 3.0 | <1 | 202 | 0.2 | 0.16 | <0.1 | 5.8 | 18 | 15.4 | 2.62 | 6 | <0.01 | 0.23 | 9 | 0.43 | 347 | 0.7 |
| 1090906 | Soil | 1.7 | <0.1 | 1.77 | 7.0 | 2 | 174 | 0.2 | 0.15 | <0.1 | 7.3 | 24 | 14.6 | 2.78 | 6 | <0.01 | 0.17 | 14 | 0.41 | 373 | 1.1 |
| 1090905 | Soil | 1.2 | <0.1 | 1.30 | 3.8 | <1 | 140 | 0.3 | 0.12 | <0.1 | 4.8 | 10 | 14.3 | 2.41 | 6 | <0.01 | 0.29 | 8 | 0.32 | 371 | 0.5 |
| 1090903 | Soil | 5.1 | <0.1 | 1.72 | 9.9 | 1 | 223 | 0.2 | 0.21 | <0.1 | 9.1 | 34 | 24.1 | 2.77 | 5 | 0.03 | 0.07 | 22 | 0.59 | 306 | 0.6 |
| 1090902 | Soil | 4.3 | <0.1 | 1.43 | 5.2 | 1 | 161 | 0.1 | 0.24 | <0.1 | 6.7 | 21 | 19.7 | 2.63 | 6 | <0.01 | 0.11 | 10 | 0.43 | 351 | 0.6 |
| 1090901 | Soil | 1.9 | <0.1 | 1.46 | 4.8 | 1 | 245 | 0.2 | 0.18 | <0.1 | 6.8 | 15 | 18.6 | 3.13 | 7 | 0.01 | 0.27 | 23 | 0.60 | 309 | 1.0 |
| 1090915 | Soil | 12.2 | 0.1 | 1.72 | 4.4 | <1 | 291 | 0.2 | 0.39 | <0.1 | 7.5 | 27 | 22.9 | 2.70 | 6 | 0.03 | 0.12 | 35 | 0.50 | 319 | 0.9 |
| 1090916 | Soil | 2.2 | <0.1 | 1.41 | 4.9 | <1 | 185 | 0.1 | 0.29 | <0.1 | 6.5 | 20 | 11.6 | 2.28 | 5 | 0.02 | 0.07 | 18 | 0.41 | 254 | 1.0 |
| 1090917 | Soil | 3.7 | <0.1 | 2.07 | 6.6 | <1 | 214 | 0.2 | 0.28 | <0.1 | 9.8 | 29 | 20.5 | 2.85 | 6 | 0.03 | 0.08 | 17 | 0.59 | 352 | 0.8 |
| 1090918 | Soil | 2.6 | <0.1 | 2.13 | 8.9 | <1 | 268 | 0.2 | 0.21 | <0.1 | 9.8 | 34 | 26.1 | 2.74 | 6 | 0.03 | 0.06 | 18 | 0.58 | 372 | 0.8 |
| 1090919 | Soil | 2.5 | <0.1 | 2.12 | 7.0 | 1 | 284 | 0.1 | 0.37 | <0.1 | 12.4 | 67 | 30.1 | 3.41 | 7 | 0.05 | 0.07 | 51 | 0.74 | 506 | 0.8 |
| 1090920 | Soil | 1.0 | <0.1 | 1.38 | 6.4 | 1 | 86 | 0.3 | 0.16 | <0.1 | 5.8 | 29 | 11.1 | 2.86 | 7 | 0.01 | 0.09 | 18 | 0.34 | 310 | 1.0 |
| 1090921 | Soil | 2.7 | 0.1 | 0.96 | 2.8 | 1 | 116 | 0.2 | 0.11 | <0.1 | 5.5 | 16 | 16.0 | 1.76 | 5 | 0.04 | 0.09 | 19 | 0.18 | 434 | 0.9 |
| 1090922 | Soil | 1.8 | <0.1 | 1.78 | 9.2 | 1 | 163 | 0.2 | 0.19 | 0.1 | 8.4 | 33 | 17.3 | 2.82 | 6 | 0.03 | 0.11 | 19 | 0.53 | 359 | 1.1 |
| 1090923 | Soil | 3.2 | <0.1 | 1.61 | 7.8 | <1 | 204 | 0.2 | 0.21 | <0.1 | 8.0 | 24 | 13.3 | 2.81 | 6 | 0.02 | 0.11 | 8 | 0.45 | 394 | 1.4 |
| 1090924 | Soil | 2.9 | <0.1 | 1.67 | 5.5 | <1 | 265 | 0.2 | 0.22 | 0.2 | 6.3 | 20 | 23.9 | 2.64 | 6 | 0.03 | 0.17 | 17 | 0.45 | 372 | 0.5 |
| 1090936 | Soil | 7.2 | <0.1 | 1.52 | 3.9 | 1 | 105 | 0.1 | 0.31 | <0.1 | 8.4 | 37 | 41.9 | 1.95 | 5 | 0.03 | 0.04 | 7 | 0.62 | 216 | 0.4 |
| 1090927 | Soil | 2.6 | 0.3 | 2.22 | 7.2 | 1 | 573 | 0.3 | 0.42 | 0.2 | 8.1 | 27 | 29.9 | 3.57 | 7 | 0.08 | 0.13 | 78 | 0.46 | 387 | 1.2 |
| 1090926 | Soil | 2.2 | <0.1 | 1.65 | 5.4 | <1 | 215 | 0.2 | 0.16 | 0.2 | 8.0 | 19 | 17.5 | 2.87 | 7 | 0.02 | 0.18 | 13 | 0.34 | 356 | 1.0 |
| 1090925 | Soil | 2.2 | <0.1 | 1.41 | 5.7 | <1 | 319 | 0.5 | 0.17 | <0.1 | 5.4 | 20 | 14.9 | 2.57 | 7 | 0.01 | 0.11 | 28 | 0.35 | 348 | 1.1 |
| 1090928 | Soil | 2.0 | 0.3 | 1.86 | 4.8 | 3 | 494 | 0.2 | 0.32 | 0.4 | 9.4 | 28 | 35.7 | 2.64 | 7 | 0.05 | 0.14 | 44 | 0.35 | 400 | 0.9 |
| 1090930 | Soil | 5.2 | <0.1 | 1.76 | 7.2 | 2 | 241 | 0.2 | 0.35 | <0.1 | 8.1 | 32 | 19.7 | 2.62 | 5 | 0.03 | 0.06 | 17 | 0.48 | 258 | 0.9 |
| 1090931 | Soil | 3.0 | <0.1 | 1.68 | 6.6 | 1 | 281 | 0.1 | 0.48 | 0.2 | 9.3 | 29 | 26.2 | 2.52 | 5 | 0.05 | 0.05 | 18 | 0.48 | 238 | 0.7 |
| 1090929 | Soil | 3.1 | <0.1 | 1.71 | 6.6 | <1 | 293 | 0.2 | 0.32 | 0.1 | 8.2 | 30 | 24.4 | 2.60 | 5 | 0.05 | 0.05 | 22 | 0.45 | 281 | 0.8 |

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Project: TSL
Report Date: August 20, 2011



# CERTIFICATE OF ANALYSIS DAW11000107.1

| | 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 |
| 1090912 | Soil | 0.013 | 15.9 | 0.046 | 11.3 | <0.05 | 0.4 | 5.6 | <0.5 | 27 | <0.2 | 8.0 | 0.112 | 0.1 | 1.2 | 53 | 0.1 | 61 |
| 1090907 | Soil | 0.011 | 17.9 | 0.031 | 10.0 | <0.05 | 0.4 | 2.6 | <0.5 | 26 | <0.2 | 3.1 | 0.084 | 0.1 | 0.7 | 58 | 0.1 | 52 |
| 1090911 | Soil | 0.009 | 10.1 | 0.025 | 8.8 | <0.05 | 0.4 | 2.5 | <0.5 | 16 | <0.2 | 2.5 | 0.113 | <0.1 | 0.5 | 55 | 0.1 | 38 |
| 1090910 | Soil | 0.012 | 28.2 | 0.030 | 12.5 | <0.05 | 0.4 | 4.6 | <0.5 | 20 | <0.2 | 5.3 | 0.103 | <0.1 | 0.8 | 63 | <0.1 | 49 |
| 1090908 | Soil | 0.011 | 22.8 | 0.024 | 10.0 | <0.05 | 0.7 | 6.8 | <0.5 | 25 | <0.2 | 9.2 | 0.075 | 0.1 | 2.9 | 62 | 0.1 | 57 |
| 1090909 | Soil | 0.009 | 20.0 | 0.028 | 12.4 | <0.05 | 0.7 | 3.1 | 0.7 | 14 | <0.2 | 3.8 | 0.079 | 0.1 | 0.6 | 76 | 0.1 | 58 |
| 1090904 | Soil | 0.008 | 10.5 | 0.029 | 45.5 | <0.05 | 0.2 | 4.0 | <0.5 | 18 | <0.2 | 8.3 | 0.088 | 0.1 | 1.2 | 31 | <0.1 | 52 |
| 1090906 | Soil | 0.009 | 13.9 | 0.018 | 21.2 | <0.05 | 0.5 | 4.8 | <0.5 | 18 | <0.2 | 10.4 | 0.066 | 0.1 | 0.8 | 49 | <0.1 | 55 |
| 1090905 | Soil | 0.009 | 5.6 | 0.015 | 63.9 | <0.05 | 0.2 | 3.9 | <0.5 | 11 | <0.2 | 11.1 | 0.083 | 0.1 | 1.2 | 24 | <0.1 | 47 |
| 1090903 | Soil | 0.017 | 22.6 | 0.020 | 43.8 | <0.05 | 0.6 | 6.4 | <0.5 | 24 | <0.2 | 6.7 | 0.091 | <0.1 | 1.1 | 61 | 0.1 | 50 |
| 1090902 | Soil | 0.011 | 12.6 | 0.014 | 20.4 | <0.05 | 0.4 | 5.6 | <0.5 | 23 | <0.2 | 12.1 | 0.065 | <0.1 | 1.2 | 41 | <0.1 | 40 |
| 1090901 | Soil | 0.013 | 9.9 | 0.016 | 29.3 | <0.05 | 0.3 | 7.2 | <0.5 | 20 | <0.2 | 12.8 | 0.087 | 0.1 | 1.5 | 33 | <0.1 | 43 |
| 1090915 | Soil | 0.014 | 14.9 | 0.045 | 9.9 | <0.05 | 0.4 | 5.5 | <0.5 | 31 | <0.2 | 5.8 | 0.088 | 0.1 | 1.3 | 46 | 0.1 | 57 |
| 1090916 | Soil | 0.015 | 11.0 | 0.037 | 9.2 | <0.05 | 0.4 | 3.4 | <0.5 | 24 | <0.2 | 3.8 | 0.077 | <0.1 | 0.8 | 46 | 0.1 | 45 |
| 1090917 | Soil | 0.012 | 16.4 | 0.043 | 13.7 | <0.05 | 0.3 | 4.4 | <0.5 | 23 | <0.2 | 6.1 | 0.097 | 0.1 | 1.1 | 58 | 0.1 | 50 |
| 1090918 | Soil | 0.015 | 21.6 | 0.024 | 10.0 | <0.05 | 0.8 | 5.5 | <0.5 | 24 | <0.2 | 7.0 | 0.084 | <0.1 | 1.2 | 60 | 0.1 | 55 |
| 1090919 | Soil | 0.014 | 42.7 | 0.034 | 10.9 | <0.05 | 0.6 | 9.5 | <0.5 | 29 | <0.2 | 9.5 | 0.093 | <0.1 | 1.6 | 69 | <0.1 | 55 |
| 1090920 | Soil | 0.008 | 14.3 | 0.035 | 8.9 | <0.05 | 0.8 | 3.9 | <0.5 | 19 | <0.2 | 5.3 | 0.053 | <0.1 | 1.0 | 51 | <0.1 | 37 |
| 1090921 | Soil | 0.015 | 7.4 | 0.026 | 8.5 | <0.05 | 0.3 | 2.6 | <0.5 | 15 | <0.2 | 2.9 | 0.058 | <0.1 | 1.1 | 34 | <0.1 | 24 |
| 1090922 | Soil | 0.011 | 17.8 | 0.017 | 9.4 | <0.05 | 0.6 | 4.2 | <0.5 | 24 | <0.2 | 8.9 | 0.090 | <0.1 | 1.4 | 60 | <0.1 | 53 |
| 1090923 | Soil | 0.010 | 13.4 | 0.029 | 12.4 | <0.05 | 0.5 | 2.4 | 0.7 | 23 | <0.2 | 3.8 | 0.083 | 0.1 | 0.6 | 59 | 0.1 | 47 |
| 1090924 | Soil | 0.011 | 13.6 | 0.021 | 164.0 | <0.05 | 0.4 | 3.9 | <0.5 | 22 | <0.2 | 8.7 | 0.092 | 0.1 | 1.2 | 42 | <0.1 | 51 |
| 1090936 | Soil | 0.019 | 16.8 | 0.040 | 4.7 | <0.05 | 0.3 | 2.8 | <0.5 | 20 | <0.2 | 1.8 | 0.068 | <0.1 | 0.4 | 55 | <0.1 | 43 |
| 1090927 | Soil | 0.015 | 17.1 | 0.073 | 154.1 | <0.05 | 0.4 | 8.0 | 0.8 | 38 | <0.2 | 12.3 | 0.065 | <0.1 | 4.4 | 55 | 0.1 | 62 |
| 1090926 | Soil | 0.010 | 10.1 | 0.028 | 69.7 | <0.05 | 0.4 | 3.6 | <0.5 | 20 | <0.2 | 6.9 | 0.065 | <0.1 | 1.0 | 47 | <0.1 | 59 |
| 1090925 | Soil | 0.012 | 10.4 | 0.024 | 72.4 | <0.05 | 0.4 | 3.6 | <0.5 | 21 | <0.2 | 7.4 | 0.092 | 0.1 | 1.4 | 53 | <0.1 | 42 |
| 1090928 | Soil | 0.013 | 19.8 | 0.052 | 42.9 | <0.05 | 0.2 | 4.7 | 0.6 | 32 | <0.2 | 6.0 | 0.068 | <0.1 | 2.0 | 48 | 0.1 | 71 |
| 1090930 | Soil | 0.013 | 16.6 | 0.051 | 22.8 | <0.05 | 0.4 | 4.0 | 1.0 | 25 | <0.2 | 5.8 | 0.086 | <0.1 | 1.1 | 54 | 0.1 | 54 |
| 1090931 | Soil | 0.015 | 16.8 | 0.052 | 16.6 | <0.05 | 0.3 | 4.9 | 0.8 | 34 | <0.2 | 4.8 | 0.077 | <0.1 | 1.5 | 53 | 0.1 | 51 |
| 1090929 | Soil | 0.013 | 15.0 | 0.037 | 19.6 | <0.05 | 0.4 | 5.3 | <0.5 | 24 | <0.2 | 6.4 | 0.086 | <0.1 | 1.9 | 56 | 0.1 | 51 |

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Project: TSL
Report Date: August 20, 2011



# CERTIFICATE OF ANALYSIS DAW11000107.1

| | 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 |
| 1090933 | Soil | 5.3 | <0.1 | 1.46 | 6.0 | 2 | 248 | 0.1 | 0.33 | 0.1 | 10.1 | 27 | 24.5 | 2.42 | 5 | 0.03 | 0.05 | 11 | 0.50 | 410 | 0.5 |
| 1090934 | Soil | 3.3 | <0.1 | 1.34 | 5.3 | 2 | 207 | 0.1 | 0.35 | 0.2 | 9.3 | 26 | 23.1 | 2.27 | 4 | 0.03 | 0.04 | 8 | 0.50 | 307 | 0.5 |
| 1090932 | Soil | 8.0 | <0.1 | 1.27 | 7.2 | 2 | 232 | <0.1 | 0.60 | 0.1 | 9.6 | 26 | 19.3 | 2.73 | 4 | 0.02 | 0.05 | 11 | 0.55 | 378 | 0.8 |
| 1090935 | Soil | 2.8 | <0.1 | 1.48 | 5.2 | 2 | 155 | 0.1 | 0.30 | 0.1 | 7.0 | 30 | 26.1 | 2.08 | 5 | 0.05 | 0.04 | 8 | 0.52 | 142 | 0.4 |
| 1162041 | Soil | 1.7 | 0.1 | 1.75 | 6.3 | <1 | 303 | 0.2 | 0.31 | 0.1 | 6.6 | 30 | 17.2 | 2.62 | 7 | 0.02 | 0.10 | 16 | 0.41 | 335 | 1.4 |
| 1162039 | Soil | 6.0 | <0.1 | 1.57 | 6.6 | 1 | 294 | 0.2 | 0.33 | 0.1 | 7.3 | 26 | 13.9 | 2.44 | 5 | 0.02 | 0.06 | 21 | 0.51 | 291 | 0.7 |
| 1162042 | Soil | 3.9 | <0.1 | 1.47 | 5.6 | 1 | 267 | 0.2 | 0.21 | 0.1 | 6.6 | 22 | 16.4 | 2.27 | 6 | 0.02 | 0.09 | 28 | 0.32 | 310 | 1.0 |
| 1162043 | Soil | 2.4 | <0.1 | 1.31 | 6.0 | <1 | 168 | 0.1 | 0.18 | <0.1 | 6.6 | 18 | 17.0 | 2.54 | 5 | 0.02 | 0.25 | 20 | 0.32 | 441 | 0.8 |
| 1162045 | Soil | 3.5 | 0.1 | 1.48 | 6.5 | 2 | 182 | 0.1 | 0.22 | 0.1 | 6.7 | 21 | 13.5 | 2.78 | 7 | 0.01 | 0.14 | 12 | 0.36 | 402 | 1.1 |
| 1162047 | Soil | 2.3 | <0.1 | 2.27 | 7.3 | 1 | 162 | 0.1 | 0.15 | <0.1 | 10.5 | 33 | 21.3 | 2.98 | 6 | 0.01 | 0.13 | 11 | 0.51 | 284 | 0.7 |
| 1161152 | Soil | 1.7 | <0.1 | 1.99 | 9.1 | 1 | 132 | 0.2 | 0.16 | 0.1 | 7.6 | 32 | 12.9 | 3.24 | 6 | 0.04 | 0.05 | 10 | 0.43 | 198 | 0.9 |
| 1090940 | Soil | 11.1 | <0.1 | 1.27 | 3.9 | 2 | 230 | <0.1 | 0.49 | 0.1 | 9.9 | 23 | 17.2 | 1.98 | 4 | 0.04 | 0.04 | 14 | 0.37 | 446 | 0.5 |
| 1161153 | Soil | 2.7 | <0.1 | 2.26 | 7.8 | 1 | 201 | 0.2 | 0.23 | <0.1 | 10.9 | 29 | 20.0 | 3.23 | 7 | 0.01 | 0.12 | 16 | 0.58 | 427 | 1.2 |
| 1162040 | Soil | 6.1 | <0.1 | 2.17 | 8.3 | 2 | 322 | 0.2 | 0.31 | <0.1 | 8.3 | 33 | 18.9 | 3.08 | 6 | 0.03 | 0.07 | 21 | 0.54 | 334 | 1.0 |
| 1162044 | Soil | 1.2 | <0.1 | 1.65 | 6.7 | 2 | 246 | 0.1 | 0.22 | <0.1 | 7.5 | 26 | 14.2 | 2.68 | 6 | 0.02 | 0.10 | 24 | 0.46 | 359 | 0.9 |
| 1162046 | Soil | 1.4 | <0.1 | 1.91 | 7.1 | 2 | 188 | 0.1 | 0.17 | <0.1 | 6.0 | 25 | 16.4 | 3.22 | 8 | 0.01 | 0.10 | 16 | 0.39 | 293 | 1.1 |
| 1161151 | Soil | 0.9 | <0.1 | 2.14 | 7.3 | 1 | 161 | 0.1 | 0.24 | <0.1 | 7.2 | 39 | 17.5 | 2.59 | 6 | 0.02 | 0.04 | 19 | 0.46 | 199 | 0.6 |
| 1090939 | Soil | 3.6 | <0.1 | 1.95 | 6.9 | 1 | 299 | 0.2 | 0.39 | <0.1 | 9.8 | 33 | 29.8 | 2.85 | 6 | 0.04 | 0.08 | 21 | 0.51 | 347 | 0.9 |
| 1090942 | Soil | 3.9 | <0.1 | 1.25 | 4.3 | 2 | 488 | 0.1 | 0.92 | 0.3 | 9.5 | 29 | 28.1 | 2.29 | 4 | 0.05 | 0.05 | 10 | 0.51 | 477 | 0.6 |
| 1090944 | Soil | 3.4 | 0.1 | 1.73 | 4.5 | 2 | 201 | <0.1 | 0.54 | 0.2 | 12.8 | 41 | 67.2 | 2.46 | 5 | 0.03 | 0.04 | 8 | 0.70 | 430 | 0.6 |
| 1053930 | Soil | 8.5 | <0.1 | 1.37 | 4.9 | 2 | 233 | 0.2 | 0.31 | 0.2 | 7.1 | 21 | 16.4 | 2.51 | 5 | 0.03 | 0.13 | 16 | 0.50 | 321 | 0.9 |
| 1090938 | Soil | 5.2 | <0.1 | 1.60 | 6.8 | 1 | 297 | 0.2 | 0.38 | 0.1 | 8.7 | 31 | 27.9 | 2.74 | 5 | 0.06 | 0.07 | 16 | 0.53 | 303 | 0.8 |
| 1053932 | Soil | 3.8 | 0.1 | 1.66 | 7.0 | 2 | 248 | 0.3 | 0.26 | 0.2 | 9.7 | 30 | 18.6 | 2.72 | 6 | 0.03 | 0.07 | 16 | 0.49 | 413 | 1.0 |
| 1053929 | Soil | 2.9 | <0.1 | 1.42 | 4.3 | 1 | 323 | 0.2 | 0.33 | 0.1 | 8.1 | 21 | 19.1 | 2.68 | 6 | 0.03 | 0.18 | 16 | 0.47 | 481 | 0.9 |
| 1090937 | Soil | 7.5 | <0.1 | 1.75 | 6.2 | 2 | 239 | 0.2 | 0.24 | <0.1 | 8.4 | 32 | 16.1 | 2.60 | 5 | 0.03 | 0.06 | 13 | 0.50 | 242 | 0.8 |
| 1090943 | Soil | 7.4 | <0.1 | 1.49 | 3.8 | 2 | 258 | 0.1 | 0.57 | 0.1 | 11.9 | 35 | 55.6 | 2.26 | 4 | 0.04 | 0.04 | 9 | 0.62 | 365 | 0.4 |
| 1053931 | Soil | 6.2 | <0.1 | 1.38 | 5.0 | 2 | 224 | 0.1 | 0.29 | <0.1 | 7.3 | 21 | 16.6 | 2.61 | 5 | 0.03 | 0.16 | 15 | 0.49 | 341 | 0.9 |
| 1090941 | Soil | 4.3 | 0.1 | 1.78 | 7.0 | 2 | 320 | 0.1 | 0.57 | 0.2 | 13.4 | 33 | 35.0 | 2.95 | 6 | 0.05 | 0.04 | 13 | 0.67 | 434 | 0.6 |
| 1161155 | Soil | 4.3 | 0.1 | 1.91 | 5.4 | 1 | 269 | 0.1 | 0.30 | 0.2 | 9.7 | 26 | 21.8 | 3.04 | 7 | 0.06 | 0.10 | 33 | 0.48 | 329 | 0.9 |
| 1161154 | Soil | 3.9 | <0.1 | 1.91 | 5.5 | 2 | 264 | 0.1 | 0.42 | <0.1 | 9.0 | 29 | 22.5 | 3.11 | 6 | 0.05 | 0.11 | 60 | 0.49 | 397 | 1.1 |

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Project: TSL
Report Date: August 20, 2011



# CERTIFICATE OF ANALYSIS DAW11000107.1

| | 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 |
| 1090933 | Soil | 0.015 | 16.3 | 0.055 | 6.3 | <0.05 | 0.4 | 3.3 | <0.5 | 22 | <0.2 | 2.0 | 0.053 | <0.1 | 0.6 | 57 | 0.2 | 50 |
| 1090934 | Soil | 0.016 | 15.8 | 0.060 | 5.8 | <0.05 | 0.3 | 3.2 | 0.6 | 24 | <0.2 | 1.6 | 0.056 | <0.1 | 0.5 | 60 | 0.2 | 50 |
| 1090932 | Soil | 0.022 | 15.2 | 0.060 | 6.8 | <0.05 | 0.3 | 3.5 | <0.5 | 31 | <0.2 | 2.5 | 0.070 | <0.1 | 0.7 | 60 | 0.2 | 55 |
| 1090935 | Soil | 0.015 | 17.4 | 0.049 | 6.7 | <0.05 | 0.3 | 2.5 | <0.5 | 19 | <0.2 | 1.5 | 0.058 | <0.1 | 0.6 | 50 | 0.2 | 51 |
| 1162041 | Soil | 0.012 | 15.3 | 0.023 | 28.8 | <0.05 | 0.3 | 3.8 | 0.7 | 25 | <0.2 | 4.4 | 0.089 | <0.1 | 0.8 | 56 | <0.1 | 50 |
| 1162039 | Soil | 0.013 | 13.9 | 0.038 | 19.2 | <0.05 | 0.3 | 3.5 | <0.5 | 23 | <0.2 | 5.4 | 0.095 | <0.1 | 0.9 | 54 | 0.1 | 48 |
| 1162042 | Soil | 0.011 | 9.3 | 0.019 | 27.7 | <0.05 | 0.3 | 3.8 | 0.6 | 19 | <0.2 | 5.2 | 0.091 | <0.1 | 1.2 | 54 | 0.1 | 41 |
| 1162043 | Soil | 0.008 | 8.7 | 0.023 | 34.6 | <0.05 | 0.2 | 4.0 | <0.5 | 13 | <0.2 | 7.3 | 0.099 | 0.2 | 1.1 | 35 | 0.1 | 58 |
| 1162045 | Soil | 0.008 | 10.4 | 0.028 | 7.5 | <0.05 | 0.4 | 3.8 | 0.8 | 20 | <0.2 | 4.1 | 0.079 | <0.1 | 0.6 | 57 | <0.1 | 47 |
| 1162047 | Soil | 0.008 | 21.8 | 0.018 | 7.9 | <0.05 | 0.5 | 4.3 | 0.6 | 13 | <0.2 | 5.6 | 0.092 | <0.1 | 0.8 | 56 | <0.1 | 50 |
| 1161152 | Soil | 0.009 | 15.3 | 0.036 | 9.3 | <0.05 | 0.5 | 3.1 | 0.9 | 15 | <0.2 | 3.2 | 0.077 | <0.1 | 0.6 | 65 | 0.2 | 48 |
| 1090940 | Soil | 0.019 | 13.6 | 0.054 | 7.0 | <0.05 | 0.3 | 3.4 | 0.5 | 32 | <0.2 | 2.8 | 0.074 | <0.1 | 0.9 | 46 | 0.2 | 41 |
| 1161153 | Soil | 0.010 | 18.0 | 0.039 | 21.6 | <0.05 | 0.4 | 4.8 | 0.6 | 18 | <0.2 | 6.9 | 0.112 | <0.1 | 0.8 | 58 | 0.1 | 60 |
| 1162040 | Soil | 0.013 | 16.1 | 0.026 | 24.8 | <0.05 | 0.4 | 4.4 | <0.5 | 25 | <0.2 | 6.1 | 0.094 | <0.1 | 1.0 | 66 | 0.1 | 58 |
| 1162044 | Soil | 0.012 | 12.7 | 0.026 | 13.7 | <0.05 | 0.3 | 3.8 | <0.5 | 19 | <0.2 | 5.9 | 0.085 | 0.1 | 1.0 | 56 | <0.1 | 52 |
| 1162046 | Soil | 0.008 | 15.0 | 0.020 | 7.4 | <0.05 | 0.4 | 5.0 | <0.5 | 16 | <0.2 | 6.3 | 0.073 | 0.1 | 0.8 | 54 | <0.1 | 52 |
| 1161151 | Soil | 0.008 | 17.7 | 0.012 | 7.0 | <0.05 | 0.3 | 3.7 | 0.6 | 23 | <0.2 | 6.5 | 0.069 | <0.1 | 0.9 | 56 | <0.1 | 39 |
| 1090939 | Soil | 0.019 | 21.1 | 0.040 | 22.4 | <0.05 | 0.4 | 5.3 | <0.5 | 31 | <0.2 | 6.1 | 0.101 | <0.1 | 1.6 | 61 | 0.1 | 51 |
| 1090942 | Soil | 0.016 | 16.8 | 0.059 | 5.0 | <0.05 | 0.3 | 4.7 | <0.5 | 36 | <0.2 | 2.1 | 0.032 | <0.1 | 0.7 | 54 | 0.1 | 48 |
| 1090944 | Soil | 0.016 | 20.4 | 0.039 | 4.9 | <0.05 | 0.3 | 4.3 | <0.5 | 23 | <0.2 | 1.4 | 0.061 | <0.1 | 0.5 | 65 | <0.1 | 52 |
| 1053930 | Soil | 0.010 | 11.4 | 0.028 | 24.9 | <0.05 | 0.3 | 3.5 | <0.5 | 17 | <0.2 | 5.7 | 0.101 | <0.1 | 0.8 | 45 | 0.1 | 69 |
| 1090938 | Soil | 0.017 | 20.3 | 0.050 | 15.2 | <0.05 | 0.5 | 4.3 | <0.5 | 31 | <0.2 | 5.6 | 0.091 | <0.1 | 1.8 | 57 | 0.2 | 58 |
| 1053932 | Soil | 0.013 | 16.7 | 0.030 | 23.4 | <0.05 | 0.4 | 3.9 | <0.5 | 22 | <0.2 | 4.6 | 0.080 | <0.1 | 0.8 | 56 | 0.1 | 49 |
| 1053929 | Soil | 0.011 | 10.9 | 0.037 | 32.2 | <0.05 | 0.3 | 4.6 | <0.5 | 21 | <0.2 | 5.7 | 0.104 | 0.1 | 1.0 | 44 | 0.1 | 59 |
| 1090937 | Soil | 0.011 | 16.4 | 0.019 | 20.7 | <0.05 | 0.3 | 3.5 | <0.5 | 22 | <0.2 | 5.4 | 0.088 | <0.1 | 0.7 | 60 | 0.1 | 45 |
| 1090943 | Soil | 0.014 | 20.6 | 0.051 | 5.5 | <0.05 | 0.3 | 4.6 | <0.5 | 26 | <0.2 | 1.6 | 0.044 | <0.1 | 0.7 | 59 | 0.1 | 54 |
| 1053931 | Soil | 0.011 | 11.5 | 0.028 | 25.3 | <0.05 | 0.2 | 4.0 | <0.5 | 17 | <0.2 | 6.0 | 0.106 | <0.1 | 0.8 | 44 | 0.1 | 74 |
| 1090941 | Soil | 0.021 | 24.3 | 0.057 | 8.4 | <0.05 | 0.5 | 5.1 | <0.5 | 33 | <0.2 | 3.2 | 0.067 | <0.1 | 1.0 | 72 | 0.2 | 58 |
| 1161155 | Soil | 0.011 | 13.9 | 0.059 | 9.2 | <0.05 | 0.3 | 6.0 | <0.5 | 21 | <0.2 | 7.2 | 0.092 | <0.1 | 2.6 | 52 | 0.1 | 55 |
| 1161154 | Soil | 0.012 | 16.7 | 0.047 | 10.8 | <0.05 | 0.3 | 7.7 | <0.5 | 24 | <0.2 | 9.9 | 0.100 | <0.1 | 3.0 | 53 | 0.1 | 61 |

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Project: TSL
Report Date: August 20, 2011



# CERTIFICATE OF ANALYSIS DAW11000107.1

| | 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 |
| 1161160 | Soil | 2.7 | <0.1 | 2.24 | 9.3 | 2 | 153 | 0.2 | 0.11 | <0.1 | 10.8 | 31 | 19.0 | 3.62 | 7 | 0.02 | 0.06 | 8 | 0.45 | 467 | 1.6 |
| 1161158 | Soil | 3.1 | 0.2 | 1.73 | 5.2 | 2 | 121 | 0.4 | 0.14 | 0.2 | 5.7 | 28 | 22.6 | 2.67 | 8 | 0.04 | 0.07 | 12 | 0.39 | 193 | 1.5 |
| 1161159 | Soil | 2.9 | <0.1 | 2.27 | 10.2 | <1 | 107 | 0.2 | 0.19 | 0.2 | 13.8 | 33 | 15.9 | 3.26 | 6 | 0.03 | 0.18 | 9 | 0.49 | 513 | 1.2 |
| 1161157 | Soil | 17.9 | 0.1 | 1.80 | 5.0 | 1 | 188 | 0.2 | 0.26 | 0.1 | 7.6 | 29 | 19.4 | 2.70 | 6 | 0.05 | 0.08 | 20 | 0.49 | 247 | 1.0 |
| 1053925 | Soil | 3.9 | <0.1 | 1.73 | 7.7 | 1 | 207 | 0.2 | 0.19 | <0.1 | 6.7 | 27 | 13.5 | 2.97 | 7 | 0.02 | 0.08 | 16 | 0.42 | 338 | 1.5 |
| 1161156 | Soil | 3.0 | <0.1 | 1.56 | 4.9 | 2 | 139 | 0.1 | 0.26 | <0.1 | 7.8 | 26 | 13.3 | 2.28 | 6 | 0.05 | 0.06 | 10 | 0.45 | 318 | 1.0 |
| 1053926 | Soil | 3.1 | <0.1 | 2.39 | 8.6 | <1 | 227 | 0.1 | 0.21 | <0.1 | 13.0 | 42 | 34.5 | 3.34 | 7 | 0.04 | 0.08 | 26 | 0.56 | 446 | 1.3 |
| 1053924 | Soil | 3.5 | <0.1 | 2.19 | 8.1 | 3 | 142 | 0.1 | 0.14 | <0.1 | 8.9 | 32 | 16.5 | 3.61 | 8 | 0.02 | 0.10 | 14 | 0.48 | 287 | 1.4 |
| 1053927 | Soil | 2.1 | 0.1 | 1.57 | 6.9 | <1 | 187 | 0.2 | 0.22 | 0.2 | 7.6 | 25 | 18.4 | 3.06 | 7 | 0.02 | 0.12 | 12 | 0.39 | 396 | 1.4 |
| 1053928 | Soil | 3.4 | 0.1 | 1.74 | 5.5 | 1 | 325 | 0.2 | 0.31 | 0.2 | 7.4 | 28 | 23.0 | 2.76 | 6 | 0.03 | 0.11 | 30 | 0.46 | 422 | 0.9 |
| 1161023 | Soil | 5.1 | <0.1 | 2.06 | 5.7 | 1 | 292 | <0.1 | 0.36 | <0.1 | 14.4 | 39 | 27.2 | 3.41 | 6 | 0.03 | 0.05 | 12 | 0.77 | 413 | 0.8 |
| 1161026 | Soil | 3.6 | <0.1 | 1.66 | 4.1 | 1 | 247 | 0.1 | 0.36 | 0.2 | 24.2 | 32 | 59.7 | 3.64 | 6 | 0.03 | 0.09 | 5 | 0.95 | 955 | 0.8 |
| 1161024 | Soil | 5.9 | 0.1 | 1.72 | 4.0 | 2 | 444 | <0.1 | 0.94 | 0.2 | 17.3 | 39 | 85.8 | 3.53 | 7 | 0.05 | 0.06 | 10 | 0.92 | 775 | 0.6 |
| 1161022 | Soil | 10.0 | <0.1 | 1.90 | 5.2 | 2 | 504 | 0.1 | 0.58 | 0.3 | 20.7 | 57 | 48.3 | 5.31 | 7 | 0.04 | 0.04 | 21 | 1.00 | 968 | 1.0 |
| 1161027 | Soil | 4.5 | <0.1 | 1.43 | 5.8 | 1 | 221 | <0.1 | 0.32 | 0.1 | 17.5 | 49 | 41.0 | 2.64 | 5 | 0.06 | 0.04 | 6 | 0.76 | 570 | 0.6 |
| 1161025 | Soil | 6.0 | 0.1 | 1.32 | 2.4 | 2 | 186 | 0.2 | 0.26 | 0.1 | 8.9 | 29 | 42.2 | 2.13 | 6 | 0.04 | 0.04 | 5 | 0.64 | 206 | 0.7 |
| 1161028 | Soil | 6.1 | <0.1 | 1.49 | 6.1 | 2 | 221 | <0.1 | 0.36 | <0.1 | 12.5 | 37 | 59.6 | 3.08 | 6 | 0.06 | 0.07 | 5 | 0.77 | 233 | 0.4 |
| 1161010 | Soil | 4.5 | 0.2 | 1.89 | 4.9 | <1 | 409 | 0.1 | 0.35 | <0.1 | 14.3 | 35 | 119.6 | 3.13 | 6 | 0.05 | 0.08 | 9 | 0.87 | 326 | 0.5 |
| 1161008 | Soil | 3.2 | <0.1 | 2.50 | 3.6 | 1 | 331 | 0.1 | 0.33 | 0.2 | 18.0 | 26 | 65.3 | 4.53 | 8 | 0.02 | 0.15 | 6 | 1.40 | 900 | 0.7 |
| 1161009 | Soil | 4.7 | <0.1 | 2.49 | 4.2 | 2 | 336 | 0.1 | 0.36 | 0.1 | 17.9 | 29 | 63.4 | 4.54 | 8 | 0.02 | 0.12 | 7 | 1.34 | 874 | 0.7 |
| 1161007 | Soil | 3.0 | <0.1 | 2.20 | 6.9 | 2 | 177 | 0.1 | 0.21 | <0.1 | 14.2 | 37 | 92.7 | 3.28 | 6 | 0.02 | 0.04 | 8 | 0.77 | 332 | 0.8 |
| 1161001 | Soil | 3.5 | <0.1 | 1.64 | 3.6 | 2 | 151 | 0.1 | 1.09 | 0.3 | 21.3 | 46 | 44.0 | 3.97 | 6 | 0.05 | 0.03 | 8 | 0.91 | 1305 | 0.7 |
| 1161005 | Soil | 4.7 | <0.1 | 1.55 | 5.6 | 2 | 441 | 0.2 | 0.37 | <0.1 | 15.1 | 35 | 56.8 | 3.54 | 5 | 0.04 | 0.05 | 10 | 0.59 | 399 | 0.8 |
| 1161002 | Soil | 1.1 | <0.1 | 2.93 | 4.9 | 2 | 222 | 0.1 | 0.51 | 0.1 | 22.8 | 32 | 34.7 | 4.72 | 10 | 0.01 | 0.60 | 6 | 1.78 | 777 | 1.8 |
| 1161004 | Soil | 16.0 | <0.1 | 1.97 | 6.4 | 2 | 269 | 0.2 | 0.38 | 0.1 | 13.9 | 30 | 41.3 | 3.34 | 7 | 0.02 | 0.05 | 14 | 0.71 | 401 | 0.9 |
| 1161003 | Soil | 2.4 | <0.1 | 1.15 | 3.5 | 2 | 159 | 0.1 | 0.16 | 0.2 | 7.7 | 21 | 33.8 | 2.07 | 5 | 0.03 | 0.04 | 7 | 0.46 | 274 | 0.7 |
| 1161006 | Soil | 6.9 | <0.1 | 1.80 | 7.1 | <1 | 162 | 0.2 | 0.14 | 0.1 | 10.5 | 38 | 44.4 | 3.50 | 7 | 0.03 | 0.11 | 5 | 0.78 | 278 | 1.1 |
| 1161021 | Soil | 2.7 | <0.1 | 2.00 | 5.4 | 1 | 440 | 0.2 | 0.69 | 0.1 | 15.7 | 47 | 39.2 | 4.02 | 7 | 0.05 | 0.05 | 23 | 0.67 | 600 | 1.1 |
| 1161017 | Soil | 1.1 | <0.1 | 1.48 | 5.7 | <1 | 185 | 0.1 | 0.20 | <0.1 | 10.5 | 27 | 25.8 | 3.20 | 8 | 0.01 | 0.05 | 5 | 0.65 | 296 | 1.3 |
| 1161019 | Soil | 7.9 | <0.1 | 1.90 | 7.7 | <1 | 206 | 0.1 | 0.18 | <0.1 | 11.2 | 34 | 23.2 | 2.92 | 5 | 0.03 | 0.06 | 11 | 0.65 | 364 | 0.8 |

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Project: TSL
Report Date: August 20, 2011



# CERTIFICATE OF ANALYSIS DAW11000107.1

| | 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 |
| 1161160 | Soil | 0.008 | 17.6 | 0.028 | 9.8 | <0.05 | 1.2 | 4.0 | <0.5 | 12 | <0.2 | 6.8 | 0.076 | <0.1 | 0.9 | 62 | 0.1 | 62 |
| 1161158 | Soil | 0.009 | 11.7 | 0.030 | 29.8 | <0.05 | 0.6 | 3.8 | <0.5 | 13 | <0.2 | 3.8 | 0.092 | 0.1 | 0.9 | 54 | <0.1 | 52 |
| 1161159 | Soil | 0.008 | 17.7 | 0.040 | 16.9 | <0.05 | 0.6 | 4.6 | <0.5 | 12 | <0.2 | 9.1 | 0.101 | 0.1 | 0.7 | 57 | 0.1 | 57 |
| 1161157 | Soil | 0.012 | 14.0 | 0.054 | 14.9 | <0.05 | 0.5 | 4.6 | <0.5 | 20 | <0.2 | 5.7 | 0.110 | 0.1 | 1.5 | 52 | 0.2 | 60 |
| 1053925 | Soil | 0.009 | 13.2 | 0.029 | 10.6 | <0.05 | 0.4 | 2.9 | <0.5 | 18 | <0.2 | 3.8 | 0.075 | <0.1 | 0.6 | 70 | 0.1 | 50 |
| 1161156 | Soil | 0.012 | 12.8 | 0.055 | 11.5 | <0.05 | 0.4 | 3.3 | <0.5 | 20 | <0.2 | 3.2 | 0.086 | <0.1 | 0.8 | 55 | 0.2 | 57 |
| 1053926 | Soil | 0.012 | 22.9 | 0.018 | 12.0 | <0.05 | 0.5 | 5.7 | <0.5 | 22 | <0.2 | 11.0 | 0.106 | 0.1 | 1.3 | 68 | <0.1 | 62 |
| 1053924 | Soil | 0.007 | 16.8 | 0.026 | 12.2 | <0.05 | 0.4 | 4.3 | <0.5 | 14 | <0.2 | 6.4 | 0.083 | 0.1 | 0.8 | 65 | 0.1 | 54 |
| 1053927 | Soil | 0.008 | 12.5 | 0.026 | 27.5 | <0.05 | 0.3 | 3.4 | <0.5 | 15 | <0.2 | 4.7 | 0.099 | 0.1 | 0.6 | 68 | <0.1 | 53 |
| 1053928 | Soil | 0.012 | 14.6 | 0.033 | 44.4 | <0.05 | 0.5 | 5.4 | <0.5 | 27 | <0.2 | 8.1 | 0.092 | 0.1 | 1.5 | 49 | 0.1 | 54 |
| 1161023 | Soil | 0.011 | 21.4 | 0.036 | 10.0 | <0.05 | 0.3 | 5.0 | <0.5 | 25 | <0.2 | 3.7 | 0.060 | <0.1 | 0.6 | 82 | <0.1 | 60 |
| 1161026 | Soil | 0.014 | 23.3 | 0.079 | 4.5 | <0.05 | 0.4 | 3.9 | <0.5 | 17 | <0.2 | 1.2 | 0.087 | <0.1 | 0.3 | 107 | <0.1 | 70 |
| 1161024 | Soil | 0.014 | 23.9 | 0.071 | 6.0 | <0.05 | 0.3 | 9.1 | <0.5 | 39 | <0.2 | 1.1 | 0.042 | <0.1 | 0.5 | 97 | 0.1 | 76 |
| 1161022 | Soil | 0.010 | 27.4 | 0.054 | 11.9 | <0.05 | 0.3 | 11.5 | <0.5 | 27 | <0.2 | 3.2 | 0.026 | <0.1 | 0.7 | 118 | <0.1 | 97 |
| 1161027 | Soil | 0.015 | 30.2 | 0.066 | 5.4 | <0.05 | 0.2 | 3.3 | <0.5 | 18 | <0.2 | 1.3 | 0.080 | <0.1 | 0.4 | 71 | <0.1 | 57 |
| 1161025 | Soil | 0.015 | 15.5 | 0.051 | 5.9 | <0.05 | 0.2 | 3.2 | <0.5 | 16 | <0.2 | 0.6 | 0.059 | 0.1 | 0.4 | 65 | 0.1 | 56 |
| 1161028 | Soil | 0.015 | 18.7 | 0.072 | 5.2 | <0.05 | 0.6 | 4.0 | <0.5 | 17 | <0.2 | 1.3 | 0.077 | <0.1 | 0.3 | 95 | 0.1 | 62 |
| 1161010 | Soil | 0.013 | 22.3 | 0.065 | 6.8 | <0.05 | 0.3 | 5.3 | <0.5 | 20 | <0.2 | 2.1 | 0.088 | 0.1 | 0.6 | 89 | 0.1 | 61 |
| 1161008 | Soil | 0.008 | 18.6 | 0.076 | 7.2 | <0.05 | 0.3 | 6.8 | <0.5 | 12 | <0.2 | 1.8 | 0.048 | <0.1 | 0.4 | 106 | <0.1 | 92 |
| 1161009 | Soil | 0.009 | 21.0 | 0.071 | 9.2 | <0.05 | 0.3 | 6.9 | <0.5 | 13 | <0.2 | 2.0 | 0.045 | <0.1 | 0.4 | 107 | <0.1 | 93 |
| 1161007 | Soil | 0.013 | 22.9 | 0.034 | 6.3 | <0.05 | 0.4 | 4.6 | <0.5 | 16 | <0.2 | 2.8 | 0.088 | <0.1 | 0.5 | 96 | 0.1 | 53 |
| 1161001 | Soil | 0.012 | 23.5 | 0.062 | 6.8 | <0.05 | 0.4 | 9.7 | <0.5 | 43 | <0.2 | 1.1 | 0.031 | <0.1 | 0.4 | 98 | <0.1 | 94 |
| 1161005 | Soil | 0.013 | 25.2 | 0.053 | 10.5 | <0.05 | 0.4 | 7.2 | <0.5 | 23 | <0.2 | 2.5 | 0.050 | <0.1 | 0.6 | 86 | <0.1 | 55 |
| 1161002 | Soil | 0.010 | 21.4 | 0.062 | 9.5 | <0.05 | 0.3 | 4.1 | <0.5 | 21 | <0.2 | 3.7 | 0.211 | 0.2 | 0.6 | 106 | <0.1 | 79 |
| 1161004 | Soil | 0.012 | 21.5 | 0.055 | 9.0 | <0.05 | 0.3 | 5.5 | <0.5 | 22 | <0.2 | 3.5 | 0.045 | <0.1 | 0.5 | 81 | <0.1 | 61 |
| 1161003 | Soil | 0.013 | 9.9 | 0.039 | 6.2 | <0.05 | 0.2 | 3.2 | <0.5 | 13 | <0.2 | 0.9 | 0.029 | <0.1 | 0.5 | 51 | 0.1 | 48 |
| 1161006 | Soil | 0.009 | 17.2 | 0.028 | 7.5 | <0.05 | 0.4 | 2.3 | <0.5 | 12 | <0.2 | 1.7 | 0.153 | <0.1 | 0.4 | 108 | 0.1 | 46 |
| 1161021 | Soil | 0.015 | 27.2 | 0.054 | 20.8 | <0.05 | 0.5 | 10.9 | <0.5 | 32 | <0.2 | 4.1 | 0.046 | <0.1 | 1.0 | 89 | <0.1 | 70 |
| 1161017 | Soil | 0.008 | 11.6 | 0.024 | 8.5 | <0.05 | 0.3 | 5.2 | <0.5 | 14 | <0.2 | 1.6 | 0.040 | <0.1 | 0.3 | 96 | <0.1 | 50 |
| 1161019 | Soil | 0.012 | 19.4 | 0.016 | 8.8 | <0.05 | 0.4 | 4.6 | <0.5 | 20 | <0.2 | 4.3 | 0.078 | <0.1 | 0.7 | 66 | 0.1 | 54 |

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Project: TSL
Report Date: August 20, 2011



# CERTIFICATE OF ANALYSIS DAW11000107.1

| | 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 |
| 1161020 | Soil | 3.7 | <0.1 | 2.08 | 6.5 | <1 | 206 | 0.2 | 0.40 | <0.1 | 12.2 | 37 | 27.5 | 3.35 | 7 | 0.02 | 0.07 | 9 | 0.68 | 412 | 0.8 |
| 1161013 | Soil | 3.2 | <0.1 | 1.82 | 5.8 | <1 | 239 | 0.1 | 0.35 | 0.1 | 14.7 | 41 | 80.0 | 3.30 | 6 | <0.01 | 0.05 | 7 | 0.78 | 422 | 0.7 |
| 1161018 | Soil | 2.7 | <0.1 | 3.08 | 8.9 | 1 | 196 | 0.2 | 0.27 | 0.1 | 17.6 | 81 | 30.0 | 4.39 | 10 | <0.01 | 0.04 | 19 | 1.27 | 486 | 1.1 |
| 1161016 | Soil | 4.9 | 0.1 | 1.96 | 5.4 | <1 | 525 | 0.2 | 1.00 | 0.1 | 14.4 | 37 | 34.8 | 3.42 | 6 | 0.05 | 0.08 | 25 | 0.76 | 546 | 0.8 |
| 1161015 | Soil | 9.8 | <0.1 | 1.88 | 5.7 | <1 | 515 | 0.2 | 0.55 | 0.1 | 15.5 | 44 | 74.5 | 3.64 | 6 | 0.03 | 0.06 | 12 | 0.98 | 512 | 0.8 |
| 1161012 | Soil | 8.2 | <0.1 | 1.48 | 6.3 | 2 | 165 | 0.1 | 0.37 | <0.1 | 9.1 | 28 | 43.8 | 2.69 | 5 | 0.06 | 0.04 | 6 | 0.60 | 254 | 0.5 |
| 1161014 | Soil | 3.9 | 0.1 | 2.07 | 4.3 | <1 | 358 | 0.1 | 0.60 | <0.1 | 13.7 | 44 | 84.2 | 2.94 | 7 | 0.04 | 0.06 | 8 | 0.99 | 502 | 0.7 |
| 1161011 | Soil | 5.7 | 0.3 | 1.58 | 5.4 | 4 | 486 | 0.1 | 0.64 | 0.2 | 15.2 | 30 | 148.2 | 2.81 | 6 | 0.04 | 0.09 | 6 | 0.77 | 641 | 0.6 |
| 1162012 | Soil | 2.7 | 0.1 | 2.88 | 10.4 | 2 | 297 | 0.2 | 0.24 | 0.2 | 11.5 | 68 | 32.2 | 4.53 | 9 | 0.03 | 0.08 | 38 | 0.56 | 454 | 1.7 |
| 1162010 | Soil | 2.1 | <0.1 | 1.63 | 12.0 | 1 | 104 | 0.2 | 0.17 | 0.1 | 7.4 | 30 | 13.0 | 3.78 | 10 | 0.03 | 0.07 | 9 | 0.43 | 348 | 1.9 |
| 1162006 | Soil | 1.8 | <0.1 | 1.42 | 4.4 | 1 | 306 | 0.1 | 0.24 | <0.1 | 6.8 | 23 | 18.5 | 2.66 | 5 | 0.02 | 0.15 | 17 | 0.50 | 339 | 1.0 |
| 1162003 | Soil | 1.0 | <0.1 | 2.24 | 7.2 | <1 | 168 | 0.2 | 0.17 | <0.1 | 7.9 | 28 | 15.2 | 2.73 | 7 | <0.01 | 0.12 | 19 | 0.70 | 273 | 0.8 |
| 1162016 | Soil | 1.5 | <0.1 | 1.75 | 5.9 | <1 | 188 | 0.1 | 0.28 | 0.2 | 9.0 | 28 | 14.6 | 2.73 | 7 | 0.03 | 0.05 | 14 | 0.53 | 313 | 0.8 |
| 1162024 | Soil | 2.4 | <0.1 | 1.93 | 5.7 | 2 | 252 | 0.2 | 0.25 | <0.1 | 8.6 | 32 | 23.9 | 3.11 | 6 | 0.02 | 0.12 | 24 | 0.53 | 467 | 1.1 |
| 1162022 | Soil | 1.4 | <0.1 | 2.13 | 7.2 | 1 | 304 | 0.2 | 0.24 | <0.1 | 9.2 | 37 | 23.5 | 3.17 | 6 | <0.01 | 0.07 | 21 | 0.57 | 394 | 1.2 |
| 1162023 | Soil | 2.2 | <0.1 | 2.13 | 6.7 | <1 | 286 | 0.3 | 0.24 | <0.1 | 9.8 | 36 | 29.8 | 3.31 | 6 | 0.03 | 0.10 | 30 | 0.53 | 434 | 1.1 |
| 1162011 | Soil | 2.2 | <0.1 | 2.14 | 7.6 | 1 | 228 | 0.1 | 0.30 | <0.1 | 10.2 | 39 | 25.1 | 3.07 | 6 | 0.03 | 0.07 | 28 | 0.64 | 373 | 0.9 |
| 1162008 | Soil | 4.3 | <0.1 | 2.05 | 6.2 | <1 | 262 | 0.1 | 0.32 | <0.1 | 9.2 | 37 | 21.0 | 3.09 | 6 | 0.03 | 0.08 | 22 | 0.55 | 456 | 1.2 |
| 1162005 | Soil | 2.3 | <0.1 | 1.53 | 4.4 | <1 | 324 | 0.2 | 0.26 | <0.1 | 7.2 | 26 | 19.2 | 2.86 | 5 | 0.02 | 0.14 | 17 | 0.48 | 365 | 1.3 |
| 1162002 | Soil | 2.5 | <0.1 | 1.19 | 3.8 | <1 | 191 | 0.1 | 0.19 | <0.1 | 7.3 | 32 | 28.4 | 2.57 | 5 | 0.01 | 0.15 | 23 | 0.50 | 300 | 0.7 |
| 1162021 | Soil | 2.2 | <0.1 | 1.42 | 6.8 | 1 | 97 | 0.2 | 0.10 | 0.2 | 4.2 | 25 | 12.2 | 2.71 | 6 | 0.03 | 0.05 | 8 | 0.27 | 163 | 1.8 |
| 1162020 | Soil | 0.7 | <0.1 | 1.46 | 6.0 | 2 | 105 | 0.2 | 0.15 | 0.1 | 5.7 | 24 | 14.1 | 2.92 | 7 | 0.02 | 0.12 | 12 | 0.39 | 310 | 1.3 |
| 1162018 | Soil | 2.5 | <0.1 | 1.66 | 4.1 | <1 | 211 | 0.1 | 0.34 | 0.1 | 8.3 | 35 | 18.0 | 2.64 | 5 | 0.02 | 0.07 | 20 | 0.58 | 374 | 1.0 |
| 1162019 | Soil | 1.3 | <0.1 | 2.12 | 5.7 | <1 | 247 | 0.2 | 0.30 | <0.1 | 9.9 | 47 | 23.1 | 3.23 | 7 | 0.02 | 0.11 | 26 | 0.63 | 424 | 1.1 |
| 1162009 | Soil | 2.6 | <0.1 | 2.22 | 7.2 | 1 | 241 | 0.2 | 0.23 | <0.1 | 8.3 | 38 | 21.7 | 3.15 | 6 | 0.01 | 0.08 | 21 | 0.55 | 378 | 1.4 |
| 1162007 | Soil | 1.4 | <0.1 | 1.27 | 2.9 | <1 | 322 | 0.1 | 0.38 | 0.1 | 6.7 | 23 | 20.9 | 2.62 | 5 | 0.02 | 0.16 | 29 | 0.49 | 438 | 0.7 |
| 1162004 | Soil | 1.5 | <0.1 | 1.82 | 4.3 | <1 | 215 | 0.1 | 0.26 | <0.1 | 8.8 | 26 | 18.1 | 3.13 | 7 | 0.02 | 0.22 | 15 | 0.74 | 417 | 0.9 |
| 1162001 | Soil | 0.6 | <0.1 | 1.63 | 3.7 | <1 | 269 | 0.2 | 0.29 | <0.1 | 8.5 | 19 | 27.6 | 3.99 | 9 | 0.01 | 0.34 | 40 | 0.63 | 663 | 0.7 |
| 1162017 | Soil | 7.0 | <0.1 | 2.07 | 7.1 | <1 | 292 | 0.2 | 0.36 | 0.2 | 10.5 | 33 | 18.0 | 3.32 | 7 | 0.02 | 0.08 | 17 | 0.60 | 544 | 1.3 |
| 1162015 | Soil | 2.6 | <0.1 | 1.81 | 5.9 | 3 | 183 | 0.2 | 0.31 | 0.1 | 8.2 | 29 | 16.2 | 2.82 | 6 | 0.03 | 0.07 | 14 | 0.55 | 268 | 0.7 |

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Project: TSL
Report Date: August 20, 2011



# CERTIFICATE OF ANALYSIS DAW11000107.1

| | 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 |
| 1161020 | Soil | 0.020 | 19.8 | 0.033 | 24.1 | <0.05 | 0.4 | 5.3 | <0.5 | 26 | <0.2 | 3.4 | 0.115 | <0.1 | 0.6 | 77 | <0.1 | 69 |
| 1161013 | Soil | 0.019 | 24.8 | 0.050 | 5.7 | <0.05 | 0.4 | 4.8 | <0.5 | 21 | <0.2 | 2.3 | 0.093 | <0.1 | 0.4 | 93 | <0.1 | 61 |
| 1161018 | Soil | 0.014 | 39.7 | 0.030 | 24.8 | <0.05 | 0.4 | 8.0 | <0.5 | 28 | <0.2 | 3.0 | 0.070 | <0.1 | 0.6 | 105 | <0.1 | 79 |
| 1161016 | Soil | 0.016 | 21.3 | 0.053 | 12.3 | <0.05 | 0.3 | 7.3 | 0.6 | 40 | <0.2 | 4.3 | 0.023 | 0.1 | 1.0 | 69 | <0.1 | 62 |
| 1161015 | Soil | 0.023 | 29.5 | 0.070 | 12.6 | <0.05 | 0.4 | 8.9 | 0.6 | 33 | <0.2 | 3.1 | 0.062 | <0.1 | 1.0 | 99 | <0.1 | 67 |
| 1161012 | Soil | 0.023 | 16.1 | 0.067 | 5.7 | <0.05 | 0.4 | 3.6 | <0.5 | 20 | <0.2 | 1.5 | 0.070 | <0.1 | 0.4 | 81 | 0.1 | 50 |
| 1161014 | Soil | 0.023 | 23.6 | 0.050 | 7.1 | <0.05 | 0.3 | 5.4 | <0.5 | 30 | <0.2 | 1.4 | 0.104 | <0.1 | 0.5 | 97 | <0.1 | 56 |
| 1161011 | Soil | 0.025 | 20.5 | 0.082 | 5.4 | <0.05 | 0.3 | 6.3 | 0.6 | 30 | <0.2 | 0.7 | 0.073 | <0.1 | 0.5 | 92 | <0.1 | 57 |
| 1162012 | Soil | 0.013 | 43.1 | 0.042 | 18.5 | <0.05 | 0.5 | 8.4 | <0.5 | 22 | <0.2 | 9.5 | 0.103 | <0.1 | 1.5 | 84 | 0.1 | 62 |
| 1162010 | Soil | 0.011 | 13.3 | 0.060 | 10.9 | <0.05 | 0.5 | 3.3 | <0.5 | 16 | <0.2 | 2.6 | 0.123 | <0.1 | 0.5 | 100 | 0.1 | 48 |
| 1162006 | Soil | 0.014 | 13.3 | 0.028 | 69.8 | <0.05 | 0.4 | 5.1 | <0.5 | 22 | <0.2 | 9.5 | 0.113 | <0.1 | 0.9 | 43 | <0.1 | 53 |
| 1162003 | Soil | 0.014 | 15.8 | 0.021 | 13.1 | <0.05 | 0.4 | 5.5 | <0.5 | 21 | <0.2 | 7.3 | 0.123 | <0.1 | 1.1 | 57 | <0.1 | 41 |
| 1162016 | Soil | 0.014 | 15.7 | 0.044 | 12.5 | <0.05 | 0.3 | 4.4 | <0.5 | 22 | <0.2 | 4.5 | 0.099 | <0.1 | 1.0 | 55 | <0.1 | 59 |
| 1162024 | Soil | 0.013 | 17.2 | 0.020 | 79.0 | <0.05 | 0.5 | 6.5 | <0.5 | 23 | <0.2 | 12.3 | 0.124 | 0.1 | 1.2 | 51 | <0.1 | 56 |
| 1162022 | Soil | 0.015 | 22.7 | 0.020 | 20.3 | <0.05 | 0.4 | 5.0 | <0.5 | 22 | <0.2 | 9.9 | 0.115 | <0.1 | 1.1 | 61 | 0.1 | 54 |
| 1162023 | Soil | 0.013 | 19.1 | 0.024 | 65.5 | <0.05 | 0.6 | 6.2 | <0.5 | 28 | <0.2 | 12.1 | 0.104 | <0.1 | 1.3 | 56 | <0.1 | 64 |
| 1162011 | Soil | 0.017 | 22.9 | 0.028 | 11.3 | <0.05 | 0.4 | 6.0 | <0.5 | 29 | <0.2 | 6.5 | 0.123 | <0.1 | 1.0 | 65 | <0.1 | 53 |
| 1162008 | Soil | 0.017 | 21.1 | 0.022 | 12.5 | <0.05 | 0.5 | 6.2 | <0.5 | 29 | <0.2 | 9.3 | 0.123 | <0.1 | 1.0 | 60 | <0.1 | 55 |
| 1162005 | Soil | 0.015 | 14.2 | 0.029 | 77.9 | <0.05 | 0.4 | 4.9 | <0.5 | 23 | <0.2 | 9.2 | 0.111 | 0.1 | 0.9 | 43 | <0.1 | 54 |
| 1162002 | Soil | 0.018 | 19.3 | 0.017 | 14.5 | <0.05 | 0.2 | 7.0 | <0.5 | 19 | <0.2 | 8.5 | 0.101 | <0.1 | 1.7 | 37 | <0.1 | 50 |
| 1162021 | Soil | 0.014 | 10.0 | 0.048 | 10.7 | <0.05 | 0.4 | 1.9 | <0.5 | 11 | <0.2 | 2.7 | 0.070 | <0.1 | 0.5 | 64 | <0.1 | 35 |
| 1162020 | Soil | 0.012 | 12.3 | 0.036 | 8.0 | <0.05 | 0.5 | 4.1 | <0.5 | 16 | <0.2 | 3.9 | 0.112 | 0.1 | 0.9 | 56 | <0.1 | 42 |
| 1162018 | Soil | 0.015 | 16.2 | 0.045 | 14.3 | <0.05 | 0.3 | 4.2 | <0.5 | 25 | <0.2 | 6.6 | 0.123 | <0.1 | 1.4 | 51 | 0.1 | 52 |
| 1162019 | Soil | 0.014 | 22.9 | 0.036 | 10.9 | <0.05 | 0.3 | 5.1 | 0.5 | 27 | <0.2 | 6.8 | 0.131 | 0.1 | 1.5 | 60 | <0.1 | 55 |
| 1162009 | Soil | 0.014 | 21.4 | 0.019 | 16.4 | <0.05 | 0.5 | 4.8 | <0.5 | 23 | <0.2 | 9.1 | 0.112 | 0.1 | 1.0 | 66 | <0.1 | 56 |
| 1162007 | Soil | 0.020 | 12.5 | 0.036 | 36.2 | <0.05 | 0.5 | 5.0 | <0.5 | 28 | <0.2 | 10.1 | 0.125 | 0.1 | 1.4 | 44 | <0.1 | 53 |
| 1162004 | Soil | 0.015 | 13.7 | 0.029 | 18.5 | <0.05 | 0.3 | 4.3 | <0.5 | 20 | <0.2 | 7.2 | 0.126 | 0.1 | 0.8 | 49 | <0.1 | 61 |
| 1162001 | Soil | 0.014 | 12.1 | 0.040 | 46.9 | <0.05 | 0.3 | 9.2 | <0.5 | 22 | <0.2 | 15.1 | 0.104 | 0.1 | 1.9 | 41 | <0.1 | 92 |
| 1162017 | Soil | 0.016 | 18.3 | 0.053 | 22.0 | <0.05 | 0.3 | 5.7 | 0.7 | 24 | <0.2 | 7.1 | 0.125 | <0.1 | 1.5 | 66 | 0.1 | 72 |
| 1162015 | Soil | 0.015 | 16.3 | 0.054 | 11.7 | <0.05 | 0.4 | 4.4 | 0.6 | 26 | <0.2 | 4.7 | 0.109 | <0.1 | 1.1 | 57 | 0.1 | 62 |

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Report Date: August 20, 2011



# CERTIFICATE OF ANALYSIS DAW11000107.1

| | 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 |
| 1162014 | Soil | 2.4 | <0.1 | 1.97 | 5.7 | <1 | 227 | 0.2 | 0.37 | 0.1 | 10.3 | 33 | 17.0 | 3.13 | 7 | 0.03 | 0.11 | 22 | 0.63 | 504 | 0.9 |
| 1162013 | Soil | 2.1 | <0.1 | 2.06 | 5.7 | 2 | 360 | 0.2 | 0.32 | <0.1 | 11.5 | 34 | 20.5 | 3.32 | 8 | 0.02 | 0.13 | 29 | 0.53 | 682 | 1.3 |
| 1162037 | Soil | 5.9 | <0.1 | 1.13 | 16.7 | 2 | 211 | 0.2 | 0.31 | 0.1 | 10.1 | 31 | 28.3 | 2.51 | 4 | 0.04 | 0.06 | 16 | 0.42 | 345 | 1.5 |
| 1162035 | Soil | 4.7 | <0.1 | 1.25 | 5.1 | 2 | 238 | <0.1 | 0.76 | 0.1 | 11.3 | 43 | 47.4 | 2.76 | 4 | 0.07 | 0.05 | 9 | 0.62 | 355 | 0.6 |
| 1162036 | Soil | 4.1 | 0.1 | 1.37 | 5.8 | 3 | 382 | 0.1 | 0.66 | 0.2 | 13.7 | 37 | 36.8 | 2.74 | 4 | 0.08 | 0.05 | 14 | 0.60 | 775 | 0.6 |
| 1162034 | Soil | 4.5 | <0.1 | 1.69 | 5.3 | 2 | 361 | 0.1 | 0.51 | 0.1 | 10.8 | 34 | 48.1 | 2.77 | 6 | 0.04 | 0.04 | 11 | 0.60 | 341 | 0.7 |
| 1162033 | Soil | 3.2 | <0.1 | 1.91 | 5.1 | 2 | 226 | 0.1 | 0.55 | 0.1 | 14.8 | 38 | 69.9 | 3.26 | 7 | 0.04 | 0.04 | 9 | 1.16 | 365 | 0.3 |
| 1162032 | Soil | 4.2 | <0.1 | 1.62 | 7.0 | <1 | 253 | 0.1 | 0.37 | 0.1 | 10.4 | 33 | 43.2 | 3.38 | 6 | 0.03 | 0.08 | 13 | 0.67 | 622 | 1.2 |
| 1162031 | Soil | 2.8 | <0.1 | 1.24 | 5.4 | <1 | 171 | 0.1 | 0.26 | <0.1 | 6.9 | 26 | 18.9 | 2.15 | 4 | 0.02 | 0.08 | 15 | 0.37 | 305 | 0.8 |
| 1162030 | Soil | 5.2 | <0.1 | 1.13 | 4.9 | <1 | 177 | 0.1 | 0.33 | <0.1 | 7.7 | 26 | 20.4 | 2.02 | 4 | 0.03 | 0.07 | 15 | 0.43 | 294 | 0.8 |
| 1162029 | Soil | 5.5 | <0.1 | 1.13 | 4.8 | 1 | 186 | 0.1 | 0.39 | <0.1 | 8.0 | 21 | 18.6 | 2.17 | 4 | 0.03 | 0.06 | 18 | 0.37 | 324 | 0.7 |
| 1162028 | Soil | 0.7 | <0.1 | 1.41 | 2.2 | <1 | 141 | 0.1 | 0.18 | <0.1 | 6.6 | 12 | 20.3 | 3.06 | 8 | <0.01 | 0.62 | 23 | 0.57 | 573 | 0.4 |
| 1162027 | Soil | 2.8 | <0.1 | 1.92 | 8.3 | <1 | 217 | 0.1 | 0.17 | <0.1 | 8.6 | 40 | 28.6 | 2.85 | 6 | 0.02 | 0.09 | 12 | 0.52 | 283 | 1.2 |
| 1162026 | Soil | 1.6 | <0.1 | 1.80 | 7.8 | <1 | 152 | 0.1 | 0.13 | <0.1 | 9.0 | 28 | 17.7 | 2.87 | 6 | 0.02 | 0.16 | 8 | 0.51 | 318 | 1.0 |
| 1162025 | Soil | 2.7 | <0.1 | 1.93 | 5.9 | 2 | 266 | 0.1 | 0.24 | <0.1 | 10.1 | 35 | 23.7 | 3.39 | 6 | 0.01 | 0.22 | 23 | 0.70 | 509 | 1.0 |

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Project: TSL
Report Date: August 20, 2011



# CERTIFICATE OF ANALYSIS DAW11000107.1

| | 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 |
| 1162014 | Soil | 0.017 | 17.5 | 0.054 | 19.1 | <0.05 | 0.4 | 5.8 | <0.5 | 27 | <0.2 | 8.1 | 0.131 | <0.1 | 1.5 | 58 | 0.1 | 68 |
| 1162013 | Soil | 0.015 | 16.3 | 0.049 | 52.6 | <0.05 | 0.4 | 5.7 | <0.5 | 26 | <0.2 | 7.8 | 0.135 | 0.1 | 1.5 | 62 | 0.1 | 64 |
| 1162037 | Soil | 0.010 | 26.8 | 0.054 | 10.3 | <0.05 | 0.5 | 3.0 | <0.5 | 20 | <0.2 | 5.0 | 0.037 | <0.1 | 1.6 | 39 | 0.1 | 52 |
| 1162035 | Soil | 0.014 | 24.3 | 0.057 | 6.3 | <0.05 | 0.6 | 9.2 | <0.5 | 31 | <0.2 | 2.3 | 0.027 | <0.1 | 0.6 | 70 | 0.2 | 54 |
| 1162036 | Soil | 0.011 | 23.8 | 0.060 | 7.4 | <0.05 | 0.4 | 7.0 | <0.5 | 39 | <0.2 | 3.0 | 0.026 | <0.1 | 1.9 | 57 | 0.1 | 56 |
| 1162034 | Soil | 0.015 | 20.5 | 0.044 | 7.2 | <0.05 | 0.4 | 5.6 | <0.5 | 29 | <0.2 | 2.3 | 0.048 | <0.1 | 0.7 | 73 | 0.1 | 50 |
| 1162033 | Soil | 0.021 | 23.6 | 0.073 | 6.7 | <0.05 | 0.4 | 5.4 | <0.5 | 37 | <0.2 | 2.3 | 0.090 | <0.1 | 0.7 | 91 | 0.2 | 71 |
| 1162032 | Soil | 0.026 | 19.2 | 0.052 | 19.3 | 0.08 | 0.4 | 6.3 | <0.5 | 34 | <0.2 | 4.3 | 0.096 | <0.1 | 1.2 | 67 | 0.1 | 101 |
| 1162031 | Soil | 0.012 | 14.6 | 0.035 | 16.2 | <0.05 | 0.3 | 4.1 | <0.5 | 22 | <0.2 | 5.3 | 0.081 | <0.1 | 0.8 | 41 | 0.1 | 38 |
| 1162030 | Soil | 0.017 | 16.1 | 0.043 | 10.3 | <0.05 | 0.4 | 4.0 | <0.5 | 29 | <0.2 | 5.1 | 0.086 | <0.1 | 1.0 | 45 | 0.1 | 42 |
| 1162029 | Soil | 0.017 | 12.2 | 0.052 | 10.4 | <0.05 | 0.3 | 3.4 | 0.5 | 24 | <0.2 | 5.0 | 0.080 | <0.1 | 0.9 | 47 | 0.1 | 37 |
| 1162028 | Soil | 0.009 | 8.3 | 0.048 | 51.9 | <0.05 | 0.1 | 7.2 | <0.5 | 11 | <0.2 | 14.5 | 0.160 | 0.2 | 1.5 | 25 | <0.1 | 62 |
| 1162027 | Soil | 0.011 | 24.4 | 0.014 | 11.7 | <0.05 | 0.4 | 4.5 | <0.5 | 18 | <0.2 | 4.7 | 0.087 | <0.1 | 0.7 | 61 | <0.1 | 50 |
| 1162026 | Soil | 0.010 | 16.8 | 0.017 | 11.3 | <0.05 | 0.4 | 4.2 | <0.5 | 12 | <0.2 | 5.4 | 0.095 | <0.1 | 0.7 | 52 | <0.1 | 61 |
| 1162025 | Soil | 0.013 | 22.5 | 0.028 | 16.0 | <0.05 | 0.4 | 6.2 | 0.6 | 18 | <0.2 | 8.8 | 0.110 | 0.1 | 0.8 | 53 | <0.1 | 80 |

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Project: TSL
Report Date: August 20, 2011



# QUALITY CONTROL REPORT DAW11000107.1

| | 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 | | | | | | | | | | | | | | | | | | | | | |
| 1161170 | Soil | 2.6 | <0.1 | 1.52 | 6.7 | 1 | 132 | <0.1 | 0.28 | <0.1 | 10.4 | 43 | 47.4 | 2.11 | 4 | 0.02 | 0.03 | 7 | 0.61 | 244 | 0.6 |
| REP 1161170 | QC | 4.8 | <0.1 | 1.52 | 6.5 | 1 | 133 | <0.1 | 0.31 | <0.1 | 10.3 | 44 | 47.5 | 2.13 | 5 | 0.02 | 0.03 | 7 | 0.61 | 247 | 0.6 |
| 1161183 | Soil | 6.3 | 0.1 | 1.62 | 4.6 | 3 | 449 | 0.2 | 0.87 | 0.2 | 13.2 | 29 | 35.8 | 3.03 | 6 | 0.04 | 0.06 | 16 | 0.63 | 536 | 0.8 |
| REP 1161183 | QC | 16.1 | 0.1 | 1.59 | 5.0 | 3 | 467 | 0.2 | 0.87 | 0.2 | 13.1 | 29 | 35.7 | 3.00 | 5 | 0.05 | 0.07 | 16 | 0.63 | 542 | 0.7 |
| 1090920 | Soil | 1.0 | <0.1 | 1.38 | 6.4 | 1 | 86 | 0.3 | 0.16 | <0.1 | 5.8 | 29 | 11.1 | 2.86 | 7 | 0.01 | 0.09 | 18 | 0.34 | 310 | 1.0 |
| REP 1090920 | QC | 1.0 | <0.1 | 1.40 | 6.7 | <1 | 83 | 0.3 | 0.16 | <0.1 | 5.7 | 29 | 11.2 | 2.86 | 7 | <0.01 | 0.09 | 18 | 0.34 | 309 | 1.2 |
| 1161152 | Soil | 1.7 | <0.1 | 1.99 | 9.1 | 1 | 132 | 0.2 | 0.16 | 0.1 | 7.6 | 32 | 12.9 | 3.24 | 6 | 0.04 | 0.05 | 10 | 0.43 | 198 | 0.9 |
| REP 1161152 | QC | 3.8 | <0.1 | 1.95 | 9.1 | 2 | 133 | 0.2 | 0.17 | 0.2 | 7.0 | 31 | 12.7 | 3.17 | 7 | 0.02 | 0.05 | 10 | 0.43 | 195 | 1.0 |
| 1090942 | Soil | 3.9 | <0.1 | 1.25 | 4.3 | 2 | 488 | 0.1 | 0.92 | 0.3 | 9.5 | 29 | 28.1 | 2.29 | 4 | 0.05 | 0.05 | 10 | 0.51 | 477 | 0.6 |
| REP 1090942 | QC | 1.9 | <0.1 | 1.21 | 4.2 | 2 | 482 | 0.1 | 0.93 | 0.1 | 9.2 | 29 | 27.5 | 2.26 | 4 | 0.04 | 0.05 | 10 | 0.50 | 474 | 0.6 |
| 1053925 | Soil | 3.9 | <0.1 | 1.73 | 7.7 | 1 | 207 | 0.2 | 0.19 | <0.1 | 6.7 | 27 | 13.5 | 2.97 | 7 | 0.02 | 0.08 | 16 | 0.42 | 338 | 1.5 |
| REP 1053925 | QC | 1.2 | <0.1 | 1.74 | 7.7 | 2 | 205 | 0.1 | 0.18 | <0.1 | 6.7 | 27 | 13.4 | 2.96 | 7 | 0.03 | 0.08 | 16 | 0.42 | 336 | 1.5 |
| 1161007 | Soil | 3.0 | <0.1 | 2.20 | 6.9 | 2 | 177 | 0.1 | 0.21 | <0.1 | 14.2 | 37 | 92.7 | 3.28 | 6 | 0.02 | 0.04 | 8 | 0.77 | 332 | 0.8 |
| REP 1161007 | QC | 4.2 | <0.1 | 2.23 | 6.8 | <1 | 180 | 0.2 | 0.21 | 0.2 | 14.0 | 37 | 92.1 | 3.30 | 7 | 0.03 | 0.04 | 8 | 0.77 | 329 | 0.8 |
| 1162013 | Soil | 2.1 | <0.1 | 2.06 | 5.7 | 2 | 360 | 0.2 | 0.32 | <0.1 | 11.5 | 34 | 20.5 | 3.32 | 8 | 0.02 | 0.13 | 29 | 0.53 | 682 | 1.3 |
| REP 1162013 | QC | 1.9 | <0.1 | 2.05 | 5.4 | 1 | 344 | 0.2 | 0.31 | 0.1 | 11.6 | 32 | 19.6 | 3.31 | 7 | 0.02 | 0.12 | 29 | 0.52 | 669 | 1.4 |
| 1162030 | Soil | 5.2 | <0.1 | 1.13 | 4.9 | <1 | 177 | 0.1 | 0.33 | <0.1 | 7.7 | 26 | 20.4 | 2.02 | 4 | 0.03 | 0.07 | 15 | 0.43 | 294 | 0.8 |
| REP 1162030 | QC | 59.6 | <0.1 | 1.11 | 5.0 | <1 | 178 | 0.1 | 0.33 | <0.1 | 8.0 | 25 | 20.8 | 2.10 | 4 | 0.02 | 0.07 | 15 | 0.43 | 292 | 0.7 |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | |
| STD DS8 | Standard | 110.4 | 1.8 | 0.95 | 27.8 | 2 | 290 | 7.2 | 0.73 | 2.5 | 7.9 | 123 | 119.5 | 2.55 | 5 | 0.22 | 0.43 | 16 | 0.65 | 639 | 14.2 |
| STD DS8 | Standard | 106.1 | 1.8 | 0.89 | 26.5 | 2 | 267 | 6.6 | 0.67 | 2.2 | 7.3 | 115 | 108.5 | 2.48 | 5 | 0.19 | 0.40 | 14 | 0.61 | 618 | 12.5 |
| STD DS8 | Standard | 120.8 | 1.7 | 0.88 | 24.7 | 3 | 260 | 7.3 | 0.69 | 2.2 | 6.9 | 109 | 101.5 | 2.39 | 5 | 0.20 | 0.40 | 16 | 0.61 | 611 | 12.3 |
| STD DS8 | Standard | 101.3 | 1.7 | 0.82 | 24.1 | 2 | 249 | 6.9 | 0.63 | 2.2 | 6.8 | 106 | 98.7 | 2.29 | 4 | 0.19 | 0.40 | 13 | 0.58 | 567 | 12.3 |
| STD DS8 | Standard | 110.9 | 1.8 | 0.91 | 27.1 | 3 | 272 | 7.0 | 0.73 | 2.5 | 7.8 | 122 | 114.6 | 2.50 | 5 | 0.20 | 0.40 | 15 | 0.61 | 617 | 14.1 |
| STD DS8 | Standard | 114.8 | 1.8 | 0.96 | 28.8 | 3 | 298 | 5.9 | 0.73 | 2.5 | 8.1 | 122 | 119.1 | 2.60 | 5 | 0.20 | 0.43 | 15 | 0.62 | 639 | 15.0 |
| STD DS8 | Standard | 115.8 | 1.9 | 0.89 | 27.1 | 2 | 267 | 7.1 | 0.68 | 2.3 | 7.8 | 120 | 109.6 | 2.47 | 5 | 0.20 | 0.40 | 15 | 0.63 | 613 | 13.0 |
| STD DS8 | Standard | 115.1 | 1.8 | 0.93 | 25.1 | 2 | 289 | 6.9 | 0.69 | 2.4 | 8.0 | 120 | 116.0 | 2.56 | 5 | 0.22 | 0.42 | 14 | 0.63 | 637 | 13.0 |
| STD DS8 Expected | | 107 | 1.69 | 0.93 | 26 | 2.6 | 279 | 6.67 | 0.7 | 2.38 | 7.5 | 115 | 110 | 2.46 | 4.7 | 0.192 | 0.41 | 14.6 | 0.6045 | 615 | 13.44 |

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Project: TSL
Report Date: August 20, 2011



# QUALITY CONTROL REPORT DAW11000107.1

| | 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 | | | | | | | | | | | | | | | | | | |
| 1161170 | Soil | 0.013 | 26.0 | 0.027 | 5.6 | <0.05 | 0.2 | 3.3 | 0.6 | 16 | <0.2 | 1.9 | 0.068 | <0.1 | 0.4 | 56 | <0.1 | 40 |
| REP 1161170 | QC | 0.013 | 26.0 | 0.028 | 5.5 | <0.05 | 0.3 | 3.4 | <0.5 | 17 | <0.2 | 1.9 | 0.076 | <0.1 | 0.4 | 58 | 0.1 | 41 |
| 1161183 | Soil | 0.021 | 20.6 | 0.054 | 13.1 | <0.05 | 0.5 | 6.3 | <0.5 | 40 | <0.2 | 3.3 | 0.052 | <0.1 | 1.2 | 67 | 0.1 | 66 |
| REP 1161183 | QC | 0.021 | 20.3 | 0.053 | 13.2 | <0.05 | 0.5 | 6.2 | <0.5 | 43 | <0.2 | 3.4 | 0.051 | <0.1 | 1.2 | 68 | 0.1 | 64 |
| 1090920 | Soil | 0.008 | 14.3 | 0.035 | 8.9 | <0.05 | 0.8 | 3.9 | <0.5 | 19 | <0.2 | 5.3 | 0.053 | <0.1 | 1.0 | 51 | <0.1 | 37 |
| REP 1090920 | QC | 0.008 | 14.6 | 0.035 | 8.6 | <0.05 | 0.7 | 4.0 | 0.5 | 18 | <0.2 | 5.2 | 0.050 | <0.1 | 1.1 | 52 | <0.1 | 37 |
| 1161152 | Soil | 0.009 | 15.3 | 0.036 | 9.3 | <0.05 | 0.5 | 3.1 | 0.9 | 15 | <0.2 | 3.2 | 0.077 | <0.1 | 0.6 | 65 | 0.2 | 48 |
| REP 1161152 | QC | 0.008 | 14.9 | 0.035 | 9.5 | <0.05 | 0.5 | 3.0 | 0.6 | 15 | <0.2 | 3.2 | 0.074 | <0.1 | 0.6 | 65 | 0.1 | 47 |
| 1090942 | Soil | 0.016 | 16.8 | 0.059 | 5.0 | <0.05 | 0.3 | 4.7 | <0.5 | 36 | <0.2 | 2.1 | 0.032 | <0.1 | 0.7 | 54 | 0.1 | 48 |
| REP 1090942 | QC | 0.015 | 17.2 | 0.058 | 4.9 | <0.05 | 0.3 | 4.5 | <0.5 | 34 | <0.2 | 2.0 | 0.030 | <0.1 | 0.6 | 54 | 0.1 | 46 |
| 1053925 | Soil | 0.009 | 13.2 | 0.029 | 10.6 | <0.05 | 0.4 | 2.9 | <0.5 | 18 | <0.2 | 3.8 | 0.075 | <0.1 | 0.6 | 70 | 0.1 | 50 |
| REP 1053925 | QC | 0.009 | 13.8 | 0.028 | 10.7 | <0.05 | 0.4 | 2.9 | <0.5 | 18 | <0.2 | 3.7 | 0.077 | <0.1 | 0.6 | 70 | 0.1 | 52 |
| 1161007 | Soil | 0.013 | 22.9 | 0.034 | 6.3 | <0.05 | 0.4 | 4.6 | <0.5 | 16 | <0.2 | 2.8 | 0.088 | <0.1 | 0.5 | 96 | 0.1 | 53 |
| REP 1161007 | QC | 0.013 | 23.6 | 0.035 | 6.5 | <0.05 | 0.4 | 4.6 | <0.5 | 15 | <0.2 | 2.6 | 0.087 | <0.1 | 0.6 | 97 | 0.1 | 53 |
| 1162013 | Soil | 0.015 | 16.3 | 0.049 | 52.6 | <0.05 | 0.4 | 5.7 | <0.5 | 26 | <0.2 | 7.8 | 0.135 | 0.1 | 1.5 | 62 | 0.1 | 64 |
| REP 1162013 | QC | 0.015 | 16.5 | 0.047 | 50.1 | <0.05 | 0.5 | 5.6 | <0.5 | 26 | <0.2 | 7.4 | 0.129 | 0.1 | 1.4 | 62 | 0.1 | 64 |
| 1162030 | Soil | 0.017 | 16.1 | 0.043 | 10.3 | <0.05 | 0.4 | 4.0 | <0.5 | 29 | <0.2 | 5.1 | 0.086 | <0.1 | 1.0 | 45 | 0.1 | 42 |
| REP 1162030 | QC | 0.016 | 15.9 | 0.046 | 10.1 | <0.05 | 0.4 | 3.7 | <0.5 | 27 | <0.2 | 4.7 | 0.081 | <0.1 | 1.0 | 44 | 0.1 | 43 |
| Reference Materials | | | | | | | | | | | | | | | | | | |
| STD DS8 | Standard | 0.087 | 39.9 | 0.088 | 133.6 | 0.17 | 6.1 | 2.4 | 6.0 | 71 | 5.3 | 7.3 | 0.131 | 5.6 | 3.0 | 45 | 3.1 | 322 |
| STD DS8 | Standard | 0.086 | 36.8 | 0.081 | 120.9 | 0.16 | 5.1 | 1.9 | 5.6 | 62 | 5.1 | 6.4 | 0.112 | 5.3 | 2.7 | 42 | 3.0 | 310 |
| STD DS8 | Standard | 0.088 | 34.9 | 0.075 | 129.3 | 0.15 | 6.0 | 2.1 | 4.5 | 70 | 5.0 | 7.4 | 0.112 | 5.3 | 3.0 | 39 | 3.0 | 301 |
| STD DS8 | Standard | 0.076 | 34.9 | 0.071 | 129.5 | 0.15 | 5.8 | 2.0 | 5.2 | 65 | 5.0 | 6.9 | 0.103 | 5.1 | 2.8 | 37 | 2.8 | 299 |
| STD DS8 | Standard | 0.083 | 39.3 | 0.079 | 128.7 | 0.16 | 6.0 | 1.9 | 5.4 | 68 | 5.1 | 7.1 | 0.121 | 5.6 | 2.8 | 43 | 3.0 | 314 |
| STD DS8 | Standard | 0.094 | 39.3 | 0.085 | 101.8 | 0.19 | 5.3 | 2.0 | 5.0 | 63 | 5.3 | 5.9 | 0.122 | 5.6 | 2.4 | 45 | 3.2 | 328 |
| STD DS8 | Standard | 0.087 | 39.7 | 0.073 | 132.3 | 0.11 | 6.1 | 2.0 | 4.8 | 76 | 4.6 | 7.5 | 0.129 | 5.1 | 3.0 | 44 | 3.1 | 309 |
| STD DS8 | Standard | 0.099 | 39.1 | 0.082 | 129.0 | 0.16 | 6.4 | 2.0 | 4.8 | 69 | 5.2 | 7.2 | 0.115 | 5.6 | 3.1 | 44 | 3.1 | 316 |
| 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 |

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Report Date: August 20, 2011



# QUALITY CONTROL REPORT DAW11000107.1

| | | 1DX15 Au ppb 0.5 | 1DX15 Ag ppm 0.1 | 1DX15 Al % 0.01 | 1DX15 As ppm 0.5 | 1DX15 B ppm 1 | 1DX15 Ba ppm 1 | 1DX15 Bi ppm 0.1 | 1DX15 Ca % 0.01 | 1DX15 Cd ppm 0.1 | 1DX15 Co ppm 0.1 | 1DX15 Cr ppm 1 | 1DX15 Cu ppm 0.1 | 1DX15 Fe % 0.01 | 1DX15 Ga ppm 1 | 1DX15 Hg ppm 0.01 | 1DX15 K % 0.01 | 1DX15 La ppm 1 | 1DX15 Mg % 0.01 | 1DX15 Mn ppm 1 | 1DX15 Mo ppm 0.1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BLK | Blank | <0.5 | <0.1 | <0.01 | <0.5 | <1 | <1 | <0.1 | <0.01 | <0.1 | <0.1 | <1 | <0.1 | <0.01 | <1 | <0.01 | <0.01 | <1 | <0.01 | <1 | <0.1 |
| BLK | Blank | <0.5 | <0.1 | <0.01 | <0.5 | <1 | <1 | <0.1 | <0.01 | <0.1 | <0.1 | <1 | <0.1 | <0.01 | <1 | <0.01 | <0.01 | <1 | <0.01 | <1 | <0.1 |
| BLK | Blank | <0.5 | <0.1 | <0.01 | <0.5 | <1 | <1 | <0.1 | <0.01 | <0.1 | <0.1 | <1 | <0.1 | <0.01 | <1 | <0.01 | <0.01 | <1 | <0.01 | <1 | <0.1 |
| BLK | Blank | <0.5 | <0.1 | <0.01 | <0.5 | <1 | <1 | <0.1 | <0.01 | <0.1 | <0.1 | <1 | <0.1 | <0.01 | <1 | <0.01 | <0.01 | <1 | <0.01 | <1 | <0.1 |
| BLK | Blank | <0.5 | <0.1 | <0.01 | <0.5 | <1 | <1 | <0.1 | <0.01 | <0.1 | <0.1 | <1 | <0.1 | 0.02 | <1 | <0.01 | <0.01 | <1 | <0.01 | <1 | <0.1 |
| BLK | Blank | <0.5 | <0.1 | <0.01 | <0.5 | <1 | <1 | <0.1 | <0.01 | <0.1 | <0.1 | <1 | <0.1 | <0.01 | <1 | <0.01 | <0.01 | <1 | <0.01 | <1 | <0.1 |
| BLK | Blank | <0.5 | <0.1 | <0.01 | <0.5 | <1 | <1 | <0.1 | <0.01 | <0.1 | <0.1 | <1 | <0.1 | <0.01 | <1 | <0.01 | <0.01 | <1 | <0.01 | <1 | <0.1 |
| BLK | Blank | <0.5 | <0.1 | <0.01 | <0.5 | <1 | <1 | <0.1 | <0.01 | <0.1 | <0.1 | <1 | <0.1 | <0.01 | <1 | <0.01 | <0.01 | <1 | <0.01 | <1 | <0.1 |

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Project: TSL
Report Date: August 20, 2011



# QUALITY CONTROL REPORT DAW11000107.1

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