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

www.acmelab.com

**Client:** **Selene Holdings LP**
885 W. Georgia Street, Suite 1380
Vancouver BC V6C 3E8 Canada

Submitted By: Jean-Pierre Londero
Receiving Lab: Canada-Dawson City
Received: September 05, 2011
Report Date: September 30, 2011


# CERTIFICATE OF ANALYSIS DAW11000259.1

## CLIENT JOB INFORMATION

Project: PAN
Shipment ID: PAN2011-01
P.O. Number
Number of Samples: 222

## SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

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 | 222 | Dry at 60C sieve 100g to -80 mesh | | | DAW |
| Dry at 60C | 222 | Dry at 60C | | | DAW |
| RJSV | 222 | Saving all or part of Soil Reject | | | DAW |
| 1DX2 | 222 | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15 | Completed | VAN |

## ADDITIONAL COMMENTS

Invoice To: Selene Holdings LP
885 W. Georgia Street, Suite 1380
Vancouver BC V6C 3E8
Canada

CC: Keith Fowlow

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

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

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# CERTIFICATE OF ANALYSIS DAW11000259.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| | Unit | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm |
| | MDL | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 |
| 1203148 | Soil | 0.8 | 45.4 | 7.7 | 64 | 0.1 | 28.3 | 11.8 | 445 | 2.79 | 9.2 | 4.1 | 2.7 | 41 | 0.2 | 0.7 | 0.2 | 56 | 1.08 | 0.038 | 13 |
| 1203060 | Soil | 0.5 | 31.7 | 20.5 | 56 | <0.1 | 14.0 | 15.0 | 401 | 2.84 | 2.8 | 1.0 | 2.1 | 70 | 0.1 | 0.2 | 0.2 | 73 | 0.55 | 0.099 | 6 |
| 1203062 | Soil | 1.0 | 39.7 | 12.6 | 47 | <0.1 | 16.6 | 17.4 | 348 | 2.89 | 4.2 | <0.5 | 2.1 | 39 | <0.1 | 0.2 | <0.1 | 66 | 0.30 | 0.058 | 5 |
| 1203061 | Soil | 0.6 | 26.5 | 14.3 | 57 | <0.1 | 30.4 | 20.8 | 474 | 3.25 | 1.7 | 6.5 | 1.3 | 56 | <0.1 | <0.1 | <0.1 | 82 | 0.42 | 0.082 | 5 |
| 1203151 | Soil | 0.9 | 32.3 | 7.7 | 74 | <0.1 | 15.9 | 11.6 | 369 | 3.22 | 9.0 | 2.0 | 3.4 | 20 | <0.1 | 0.3 | <0.1 | 64 | 0.25 | 0.055 | 12 |
| 1203150 | Soil | 1.4 | 29.9 | 7.6 | 53 | 0.1 | 13.6 | 8.4 | 234 | 2.77 | 9.2 | <0.5 | 2.6 | 24 | <0.1 | 0.2 | <0.1 | 52 | 0.18 | 0.031 | 13 |
| 1203154 | Soil | 1.6 | 26.3 | 7.2 | 79 | <0.1 | 14.4 | 11.8 | 514 | 4.29 | 38.6 | 2.3 | 5.0 | 23 | <0.1 | 1.1 | <0.1 | 33 | 0.24 | 0.019 | 26 |
| 1203155 | Soil | 2.3 | 58.1 | 17.6 | 165 | <0.1 | 41.2 | 13.2 | 324 | 4.36 | 61.3 | 1.7 | 10.3 | 24 | 0.2 | 4.6 | 0.1 | 36 | 0.15 | 0.040 | 28 |
| 1203021 | Soil | 0.5 | 28.7 | 3.6 | 36 | <0.1 | 11.6 | 16.8 | 439 | 3.57 | 2.6 | <0.5 | 1.5 | 19 | <0.1 | 0.1 | <0.1 | 107 | 0.31 | 0.032 | 4 |
| 1203149 | Soil | 0.9 | 42.7 | 6.1 | 63 | <0.1 | 14.7 | 14.6 | 397 | 3.65 | 5.7 | <0.5 | 1.9 | 20 | <0.1 | 0.2 | <0.1 | 72 | 0.19 | 0.034 | 5 |
| 1203152 | Soil | 1.0 | 30.4 | 8.8 | 79 | 0.2 | 18.7 | 8.7 | 228 | 2.67 | 8.7 | 6.8 | 3.7 | 26 | <0.1 | 0.3 | <0.1 | 51 | 0.31 | 0.062 | 18 |
| 1203153 | Soil | 1.2 | 37.2 | 14.8 | 79 | <0.1 | 28.7 | 9.5 | 326 | 2.85 | 14.5 | 2.5 | 6.0 | 52 | <0.1 | 0.5 | 0.1 | 54 | 0.40 | 0.055 | 23 |
| 1203025 | Soil | 1.0 | 31.9 | 7.1 | 51 | <0.1 | 17.0 | 10.8 | 362 | 2.92 | 6.2 | 0.9 | 5.9 | 24 | <0.1 | 0.2 | <0.1 | 59 | 0.31 | 0.052 | 21 |
| 1203023 | Soil | 1.0 | 33.0 | 4.6 | 62 | <0.1 | 11.3 | 18.6 | 581 | 3.75 | 2.0 | 0.5 | 2.2 | 31 | <0.1 | 0.1 | <0.1 | 90 | 0.35 | 0.053 | 5 |
| 1203024 | Soil | 0.7 | 17.8 | 8.6 | 45 | <0.1 | 15.5 | 9.7 | 284 | 2.91 | 5.7 | 6.0 | 3.9 | 19 | <0.1 | 0.3 | <0.1 | 57 | 0.24 | 0.035 | 12 |
| 1203022 | Soil | 0.9 | 32.0 | 6.6 | 47 | <0.1 | 21.9 | 12.5 | 279 | 2.72 | 5.2 | 0.8 | 2.9 | 25 | <0.1 | 0.2 | <0.1 | 68 | 0.28 | 0.021 | 13 |
| 1203059 | Soil | 0.5 | 25.5 | 9.3 | 49 | <0.1 | 22.6 | 17.0 | 460 | 3.70 | 3.2 | 3.0 | 2.1 | 30 | <0.1 | 0.2 | <0.1 | 106 | 0.59 | 0.091 | 7 |
| 1203057 | Soil | 0.6 | 35.0 | 14.9 | 53 | <0.1 | 20.7 | 16.3 | 336 | 3.18 | 4.9 | 0.8 | 2.5 | 23 | <0.1 | 0.2 | <0.1 | 83 | 0.35 | 0.064 | 7 |
| 1203056 | Soil | 0.6 | 39.5 | 23.1 | 43 | <0.1 | 22.3 | 17.4 | 461 | 2.95 | 3.6 | <0.5 | 3.0 | 29 | <0.1 | 0.2 | <0.1 | 79 | 0.41 | 0.049 | 9 |
| 1203055 | Soil | 0.8 | 21.0 | 9.9 | 49 | <0.1 | 20.7 | 10.4 | 316 | 2.94 | 6.5 | 2.5 | 6.4 | 27 | <0.1 | 0.3 | <0.1 | 58 | 0.29 | 0.034 | 21 |
| 1203065 | Soil | 0.9 | 29.8 | 8.5 | 62 | <0.1 | 17.9 | 10.0 | 393 | 2.34 | 11.2 | 4.0 | 3.0 | 94 | 0.1 | 0.5 | <0.1 | 46 | 0.58 | 0.054 | 16 |
| 1203064 | Soil | 1.5 | 24.4 | 8.7 | 65 | <0.1 | 15.9 | 12.1 | 602 | 2.86 | 18.7 | 3.7 | 3.6 | 64 | <0.1 | 0.5 | <0.1 | 52 | 0.44 | 0.058 | 13 |
| 1203063 | Soil | 0.7 | 25.1 | 6.7 | 53 | <0.1 | 18.2 | 9.4 | 271 | 2.21 | 5.3 | 1.2 | 2.6 | 47 | <0.1 | 0.3 | <0.1 | 53 | 0.44 | 0.067 | 11 |
| 1203058 | Soil | 0.7 | 26.4 | 10.3 | 49 | <0.1 | 24.6 | 16.8 | 420 | 3.65 | 3.8 | 0.8 | 2.2 | 30 | <0.1 | 0.2 | <0.1 | 103 | 0.55 | 0.076 | 8 |
| 1203069 | Soil | 0.6 | 136.1 | 5.3 | 68 | <0.1 | 27.5 | 28.8 | 553 | 3.94 | 2.6 | 0.9 | 1.8 | 129 | <0.1 | 0.1 | <0.1 | 114 | 0.51 | 0.118 | 5 |
| 1203068 | Soil | 0.5 | 105.9 | 5.0 | 112 | <0.1 | 25.1 | 23.0 | 750 | 4.24 | 3.2 | <0.5 | 2.9 | 65 | <0.1 | 0.1 | <0.1 | 104 | 0.51 | 0.113 | 9 |
| 1203067 | Soil | 0.4 | 67.6 | 3.9 | 68 | <0.1 | 17.7 | 18.4 | 508 | 3.38 | 2.0 | 0.9 | 1.9 | 51 | <0.1 | 0.1 | <0.1 | 80 | 0.37 | 0.043 | 7 |
| 1203066 | Soil | 0.7 | 44.7 | 7.6 | 51 | <0.1 | 20.4 | 12.7 | 328 | 2.56 | 6.4 | 1.6 | 2.5 | 156 | <0.1 | 0.3 | <0.1 | 60 | 0.64 | 0.041 | 11 |
| 1203145 | Soil | 0.8 | 54.9 | 8.3 | 61 | <0.1 | 27.4 | 12.1 | 412 | 2.90 | 13.7 | 2.7 | 3.9 | 42 | <0.1 | 0.5 | <0.1 | 58 | 0.47 | 0.035 | 15 |
| 1203147 | Soil | 1.0 | 28.4 | 7.7 | 56 | <0.1 | 18.6 | 10.0 | 350 | 2.92 | 10.5 | 1.1 | 4.5 | 32 | <0.1 | 0.4 | <0.1 | 54 | 0.36 | 0.041 | 17 |

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# CERTIFICATE OF ANALYSIS DAW11000259.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| | Unit | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | MDL | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 | 0.2 |
| 1203148 | Soil | 28 | 0.68 | 277 | 0.089 | 2 | 1.43 | 0.022 | 0.15 | 0.1 | 0.05 | 5.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1203060 | Soil | 22 | 0.82 | 449 | 0.099 | 1 | 1.42 | 0.015 | 0.11 | <0.1 | 0.01 | 4.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1203062 | Soil | 31 | 0.80 | 162 | 0.117 | 1 | 1.40 | 0.015 | 0.09 | <0.1 | <0.01 | 2.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1203061 | Soil | 78 | 1.35 | 822 | 0.126 | <1 | 1.82 | 0.020 | 0.21 | <0.1 | <0.01 | 3.6 | 0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 1203151 | Soil | 22 | 0.86 | 277 | 0.126 | 1 | 1.66 | 0.011 | 0.47 | <0.1 | 0.02 | 4.8 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1203150 | Soil | 17 | 0.62 | 285 | 0.094 | 1 | 1.49 | 0.010 | 0.30 | <0.1 | 0.04 | 4.7 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1203154 | Soil | 14 | 1.68 | 537 | 0.111 | 1 | 2.44 | 0.014 | 0.67 | <0.1 | 0.01 | 9.9 | 0.3 | <0.05 | 9 | 0.6 | <0.2 |
| 1203155 | Soil | 16 | 0.15 | 386 | 0.005 | 2 | 0.66 | 0.004 | 0.09 | <0.1 | 0.02 | 5.5 | <0.1 | <0.05 | 2 | 0.8 | <0.2 |
| 1203021 | Soil | 25 | 0.92 | 199 | 0.129 | <1 | 1.32 | 0.013 | 0.23 | <0.1 | <0.01 | 4.1 | 0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 1203149 | Soil | 21 | 1.01 | 203 | 0.149 | <1 | 1.82 | 0.012 | 0.42 | <0.1 | 0.02 | 4.2 | 0.2 | <0.05 | 7 | <0.5 | <0.2 |
| 1203152 | Soil | 24 | 0.52 | 297 | 0.085 | <1 | 1.46 | 0.011 | 0.20 | 0.1 | 0.04 | 4.0 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1203153 | Soil | 33 | 0.53 | 327 | 0.082 | <1 | 1.45 | 0.014 | 0.17 | 0.1 | 0.04 | 5.3 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1203025 | Soil | 35 | 0.72 | 419 | 0.091 | 1 | 1.64 | 0.011 | 0.12 | <0.1 | 0.02 | 4.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1203023 | Soil | 33 | 1.19 | 292 | 0.146 | <1 | 1.88 | 0.016 | 0.48 | <0.1 | <0.01 | 4.2 | 0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 1203024 | Soil | 34 | 0.68 | 298 | 0.105 | <1 | 1.66 | 0.010 | 0.13 | <0.1 | 0.01 | 3.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1203022 | Soil | 41 | 0.81 | 236 | 0.110 | <1 | 1.61 | 0.013 | 0.07 | <0.1 | 0.02 | 4.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1203059 | Soil | 45 | 1.40 | 366 | 0.116 | <1 | 1.89 | 0.015 | 0.27 | <0.1 | 0.01 | 7.8 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| 1203057 | Soil | 37 | 0.89 | 198 | 0.111 | <1 | 1.63 | 0.017 | 0.06 | <0.1 | 0.01 | 3.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1203056 | Soil | 42 | 0.96 | 230 | 0.093 | <1 | 1.49 | 0.018 | 0.06 | <0.1 | 0.02 | 4.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1203055 | Soil | 32 | 0.72 | 353 | 0.089 | <1 | 1.72 | 0.012 | 0.07 | <0.1 | 0.03 | 5.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1203065 | Soil | 23 | 0.44 | 350 | 0.066 | 1 | 1.21 | 0.014 | 0.14 | 0.1 | 0.05 | 4.1 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 1203064 | Soil | 22 | 0.42 | 280 | 0.065 | 1 | 1.07 | 0.013 | 0.15 | <0.1 | 0.04 | 3.9 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 1203063 | Soil | 25 | 0.56 | 225 | 0.081 | <1 | 1.17 | 0.019 | 0.08 | 0.2 | 0.03 | 3.2 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 1203058 | Soil | 46 | 1.34 | 382 | 0.110 | <1 | 1.94 | 0.015 | 0.23 | <0.1 | 0.02 | 7.0 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 1203069 | Soil | 25 | 1.44 | 464 | 0.146 | 1 | 1.83 | 0.026 | 0.47 | <0.1 | 0.02 | 4.4 | 0.2 | <0.05 | 7 | <0.5 | <0.2 |
| 1203068 | Soil | 36 | 1.40 | 503 | 0.159 | <1 | 1.75 | 0.015 | 0.70 | <0.1 | 0.02 | 6.3 | 0.4 | <0.05 | 8 | <0.5 | <0.2 |
| 1203067 | Soil | 22 | 1.39 | 343 | 0.153 | <1 | 1.63 | 0.019 | 0.46 | <0.1 | 0.02 | 5.7 | 0.2 | <0.05 | 6 | <0.5 | <0.2 |
| 1203066 | Soil | 27 | 0.63 | 331 | 0.086 | <1 | 1.31 | 0.018 | 0.12 | <0.1 | 0.03 | 3.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1203145 | Soil | 27 | 0.73 | 323 | 0.092 | <1 | 1.67 | 0.027 | 0.10 | 0.1 | 0.06 | 5.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1203147 | Soil | 26 | 0.65 | 326 | 0.099 | <1 | 1.51 | 0.015 | 0.22 | <0.1 | 0.04 | 5.0 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |

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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 | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| | Unit | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm |
| | MDL | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 |
| 1203146 | Soil | 1.0 | 30.9 | 8.7 | 62 | <0.1 | 16.9 | 10.8 | 414 | 3.43 | 12.8 | 1.9 | 4.2 | 35 | <0.1 | 0.5 | <0.1 | 63 | 0.43 | 0.036 | 18 |
| 1203144 | Soil | 1.0 | 50.9 | 6.7 | 75 | <0.1 | 25.9 | 15.2 | 518 | 3.25 | 12.2 | 1.1 | 3.5 | 47 | <0.1 | 0.3 | <0.1 | 73 | 0.50 | 0.074 | 11 |
| 1166327 | Soil | 0.9 | 62.9 | 7.8 | 101 | 0.1 | 21.5 | 16.4 | 534 | 3.34 | 6.7 | 1.8 | 1.6 | 21 | 0.2 | 0.4 | <0.1 | 93 | 0.52 | 0.023 | 7 |
| 1166326 | Soil | 1.1 | 24.9 | 9.5 | 55 | 0.1 | 16.7 | 10.2 | 577 | 2.84 | 8.7 | 0.8 | 1.7 | 22 | 0.1 | 0.4 | <0.1 | 66 | 0.42 | 0.019 | 6 |
| 1203070 | Soil | 1.0 | 14.1 | 52.8 | 52 | <0.1 | 12.8 | 7.3 | 556 | 2.94 | 4.8 | 3.7 | 4.6 | 22 | <0.1 | 0.3 | 0.4 | 34 | 0.26 | 0.026 | 14 |
| 1203071 | Soil | 1.1 | 37.7 | 52.9 | 66 | <0.1 | 14.8 | 8.1 | 324 | 3.03 | 8.2 | 5.7 | 5.1 | 21 | <0.1 | 0.3 | 0.4 | 41 | 0.23 | 0.019 | 17 |
| 1166331 | Soil | 0.6 | 57.0 | 11.1 | 36 | <0.1 | 24.3 | 14.3 | 367 | 2.50 | 6.5 | 1.0 | 1.6 | 24 | <0.1 | 0.6 | 0.1 | 66 | 0.41 | 0.024 | 6 |
| 1166330 | Soil | 0.8 | 56.3 | 9.4 | 53 | <0.1 | 28.7 | 12.4 | 384 | 2.80 | 9.4 | 3.7 | 2.9 | 26 | <0.1 | 0.9 | 0.1 | 61 | 1.10 | 0.031 | 15 |
| 1166329 | Soil | 1.6 | 37.6 | 71.1 | 215 | <0.1 | 15.5 | 10.8 | 458 | 3.28 | 7.2 | 1.2 | 1.8 | 20 | 0.9 | 0.4 | 0.3 | 65 | 0.41 | 0.037 | 8 |
| 1166328 | Soil | 0.5 | 53.7 | 6.3 | 59 | <0.1 | 22.8 | 15.3 | 498 | 3.08 | 6.8 | 3.6 | 2.1 | 22 | <0.1 | 0.6 | <0.1 | 79 | 0.52 | 0.038 | 10 |
| 1203080 | Soil | 1.2 | 37.6 | 10.8 | 61 | <0.1 | 20.2 | 11.5 | 296 | 2.68 | 24.0 | 4.5 | 3.8 | 22 | <0.1 | 0.5 | 0.2 | 58 | 0.31 | 0.028 | 13 |
| 1203081 | Soil | 1.0 | 44.5 | 7.8 | 57 | 0.1 | 16.2 | 13.7 | 366 | 2.76 | 6.1 | 4.9 | 2.4 | 27 | <0.1 | 0.3 | 0.1 | 67 | 0.39 | 0.040 | 11 |
| 1166333 | Soil | 2.2 | 74.1 | 108.0 | 184 | <0.1 | 28.2 | 8.7 | 215 | 2.85 | 13.0 | 9.1 | 4.1 | 19 | 0.3 | 0.6 | 0.2 | 60 | 0.24 | 0.017 | 12 |
| 1166332 | Soil | 1.2 | 18.8 | 11.0 | 46 | <0.1 | 9.9 | 6.8 | 404 | 2.50 | 16.5 | 0.8 | 3.1 | 15 | <0.1 | 0.4 | 0.1 | 40 | 0.16 | 0.018 | 9 |
| 1203086 | Soil | 0.7 | 27.7 | 8.1 | 50 | <0.1 | 13.7 | 10.0 | 291 | 2.12 | 4.6 | 2.1 | 1.6 | 23 | 0.1 | 0.2 | 0.1 | 53 | 0.43 | 0.044 | 8 |
| 1203084 | Soil | 0.6 | 26.9 | 6.8 | 55 | <0.1 | 19.6 | 10.7 | 359 | 2.34 | 5.7 | 3.0 | 2.3 | 31 | 0.1 | 0.4 | 0.1 | 57 | 0.58 | 0.062 | 10 |
| 1203083 | Soil | 0.6 | 31.9 | 8.1 | 55 | 0.1 | 13.5 | 11.6 | 260 | 2.38 | 4.8 | 2.7 | 2.1 | 21 | <0.1 | 0.2 | <0.1 | 59 | 0.34 | 0.044 | 9 |
| 1203082 | Soil | 0.9 | 31.5 | 7.9 | 53 | 0.1 | 14.5 | 10.5 | 245 | 2.56 | 6.9 | 6.6 | 2.0 | 22 | <0.1 | 0.3 | <0.1 | 67 | 0.34 | 0.035 | 8 |
| 1203090 | Soil | 1.1 | 18.6 | 11.2 | 74 | 0.1 | 12.0 | 8.9 | 343 | 2.15 | 7.5 | 2.5 | 1.2 | 20 | 0.1 | 0.2 | 0.1 | 66 | 0.34 | 0.057 | 7 |
| 1203087 | Soil | 0.8 | 28.0 | 7.8 | 62 | 0.1 | 19.8 | 10.5 | 335 | 2.35 | 6.0 | 1.7 | 2.0 | 33 | 0.1 | 0.4 | 0.1 | 54 | 0.50 | 0.058 | 10 |
| 1203088 | Soil | 0.8 | 21.9 | 11.2 | 65 | 0.1 | 14.7 | 7.6 | 191 | 1.83 | 3.7 | 2.8 | 1.4 | 26 | 0.2 | 0.2 | 0.1 | 37 | 0.42 | 0.055 | 11 |
| 1203085 | Soil | 0.7 | 30.8 | 7.1 | 53 | <0.1 | 22.3 | 11.1 | 347 | 2.46 | 6.4 | 2.7 | 2.3 | 32 | 0.1 | 0.4 | 0.1 | 60 | 0.55 | 0.064 | 11 |
| 1203072 | Soil | 1.6 | 75.9 | 11.7 | 82 | 0.1 | 15.7 | 10.8 | 734 | 3.44 | 16.3 | 3.6 | 2.0 | 57 | 0.2 | 0.6 | 0.2 | 52 | 0.78 | 0.065 | 14 |
| 1166334 | Soil | 1.2 | 38.5 | 14.8 | 67 | <0.1 | 19.7 | 9.4 | 404 | 3.45 | 21.7 | 5.9 | 5.8 | 21 | <0.1 | 0.6 | 0.1 | 51 | 0.31 | 0.030 | 28 |
| 1166335 | Soil | 1.3 | 36.0 | 14.4 | 66 | <0.1 | 21.0 | 9.6 | 399 | 3.40 | 20.2 | 5.6 | 5.6 | 22 | <0.1 | 0.5 | 0.1 | 51 | 0.32 | 0.029 | 26 |
| 1203089 | Soil | 0.8 | 26.5 | 11.4 | 75 | 0.1 | 14.7 | 10.9 | 440 | 2.26 | 5.4 | 5.9 | 1.6 | 29 | 0.2 | 0.3 | 0.1 | 53 | 0.52 | 0.050 | 10 |
| 1203076 | Soil | 1.0 | 24.0 | 8.9 | 74 | <0.1 | 14.7 | 10.1 | 287 | 2.67 | 7.9 | 1.8 | 2.8 | 22 | 0.1 | 0.3 | <0.1 | 60 | 0.36 | 0.051 | 11 |
| 1203075 | Soil | 0.8 | 31.3 | 7.4 | 66 | 0.1 | 26.7 | 11.3 | 384 | 2.59 | 8.4 | 3.2 | 2.6 | 43 | 0.3 | 0.6 | 0.1 | 57 | 0.79 | 0.077 | 11 |
| 1203074 | Soil | 0.7 | 29.9 | 6.6 | 57 | <0.1 | 22.1 | 10.9 | 396 | 2.46 | 8.1 | 7.7 | 2.5 | 43 | 0.2 | 0.5 | 0.1 | 58 | 0.90 | 0.080 | 10 |
| 1203073 | Soil | 0.5 | 17.6 | 6.4 | 57 | <0.1 | 16.7 | 7.9 | 337 | 2.04 | 5.4 | 7.0 | 1.9 | 47 | 0.1 | 0.4 | <0.1 | 50 | 0.55 | 0.070 | 9 |

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Project: PAN
Report Date: September 30, 2011



# CERTIFICATE OF ANALYSIS DAW11000259.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| | Unit | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | MDL | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 | 0.2 |
| 1203146 | Soil | 25 | 0.80 | 326 | 0.103 | 1 | 1.69 | 0.015 | 0.21 | <0.1 | 0.04 | 6.6 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1203144 | Soil | 39 | 0.98 | 316 | 0.137 | 1 | 1.55 | 0.014 | 0.40 | <0.1 | 0.03 | 4.2 | 0.2 | <0.05 | 6 | <0.5 | <0.2 |
| 1166327 | Soil | 25 | 0.84 | 249 | 0.071 | 2 | 1.78 | 0.027 | 0.08 | <0.1 | 0.04 | 7.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1166326 | Soil | 26 | 0.46 | 258 | 0.051 | 2 | 1.56 | 0.017 | 0.06 | <0.1 | 0.02 | 4.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1203070 | Soil | 18 | 0.51 | 226 | 0.102 | <1 | 1.32 | 0.009 | 0.36 | <0.1 | 0.02 | 6.3 | 0.1 | <0.05 | 6 | 0.5 | <0.2 |
| 1203071 | Soil | 21 | 0.47 | 207 | 0.069 | <1 | 1.31 | 0.010 | 0.24 | <0.1 | 0.02 | 6.7 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1166331 | Soil | 40 | 0.80 | 117 | 0.060 | <1 | 1.34 | 0.020 | 0.03 | <0.1 | 0.02 | 5.8 | <0.1 | 0.05 | 4 | <0.5 | <0.2 |
| 1166330 | Soil | 30 | 0.62 | 169 | 0.061 | 2 | 1.35 | 0.018 | 0.10 | 0.2 | 0.06 | 5.7 | <0.1 | 0.07 | 4 | <0.5 | <0.2 |
| 1166329 | Soil | 24 | 0.45 | 264 | 0.023 | 1 | 1.59 | 0.010 | 0.07 | <0.1 | 0.02 | 7.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1166328 | Soil | 37 | 0.95 | 230 | 0.065 | 2 | 1.59 | 0.023 | 0.09 | 0.1 | 0.04 | 6.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1203080 | Soil | 27 | 0.54 | 243 | 0.054 | 1 | 1.19 | 0.016 | 0.06 | 0.1 | 0.02 | 4.7 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 1203081 | Soil | 27 | 0.65 | 246 | 0.070 | <1 | 1.58 | 0.015 | 0.07 | 0.1 | 0.03 | 5.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1166333 | Soil | 44 | 0.44 | 183 | 0.053 | 1 | 1.80 | 0.011 | 0.06 | 0.1 | 0.03 | 6.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1166332 | Soil | 18 | 0.27 | 242 | 0.029 | <1 | 1.12 | 0.008 | 0.06 | <0.1 | 0.02 | 4.2 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 1203086 | Soil | 23 | 0.46 | 184 | 0.063 | <1 | 1.19 | 0.020 | 0.04 | 0.2 | 0.03 | 3.0 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 1203084 | Soil | 25 | 0.54 | 218 | 0.066 | 1 | 1.27 | 0.023 | 0.04 | 0.2 | 0.03 | 3.6 | <0.1 | 0.06 | 4 | <0.5 | <0.2 |
| 1203083 | Soil | 22 | 0.53 | 236 | 0.075 | <1 | 1.36 | 0.018 | 0.06 | 0.1 | 0.03 | 3.7 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 1203082 | Soil | 25 | 0.59 | 218 | 0.082 | <1 | 1.54 | 0.017 | 0.07 | <0.1 | 0.02 | 3.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1203090 | Soil | 24 | 0.50 | 144 | 0.057 | <1 | 1.14 | 0.017 | 0.06 | 0.2 | 0.03 | 2.9 | <0.1 | 0.05 | 4 | <0.5 | <0.2 |
| 1203087 | Soil | 28 | 0.52 | 253 | 0.063 | 1 | 1.52 | 0.025 | 0.05 | 0.1 | 0.03 | 3.3 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 1203088 | Soil | 27 | 0.53 | 173 | 0.070 | 1 | 1.17 | 0.018 | 0.12 | <0.1 | 0.08 | 3.4 | <0.1 | 0.08 | 5 | <0.5 | <0.2 |
| 1203085 | Soil | 28 | 0.54 | 239 | 0.068 | <1 | 1.33 | 0.031 | 0.04 | 0.2 | 0.02 | 3.6 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 1203072 | Soil | 21 | 0.51 | 305 | 0.051 | 1 | 1.38 | 0.019 | 0.10 | <0.1 | 0.06 | 4.7 | <0.1 | 0.12 | 5 | 0.8 | <0.2 |
| 1166334 | Soil | 24 | 0.76 | 180 | 0.117 | <1 | 1.52 | 0.018 | 0.31 | <0.1 | 0.05 | 9.5 | 0.1 | <0.05 | 7 | 0.5 | <0.2 |
| 1166335 | Soil | 27 | 0.71 | 197 | 0.110 | 1 | 1.56 | 0.017 | 0.28 | <0.1 | 0.04 | 9.0 | 0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 1203089 | Soil | 24 | 0.50 | 227 | 0.060 | 1 | 1.27 | 0.018 | 0.05 | 0.1 | 0.03 | 3.4 | <0.1 | 0.09 | 5 | <0.5 | <0.2 |
| 1203076 | Soil | 27 | 0.55 | 208 | 0.080 | <1 | 1.34 | 0.020 | 0.08 | 0.1 | 0.02 | 3.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1203075 | Soil | 29 | 0.69 | 244 | 0.074 | 2 | 1.37 | 0.034 | 0.07 | 0.2 | 0.03 | 3.6 | <0.1 | 0.07 | 4 | <0.5 | <0.2 |
| 1203074 | Soil | 25 | 0.62 | 207 | 0.071 | 2 | 1.10 | 0.031 | 0.07 | 0.2 | 0.02 | 3.4 | <0.1 | 0.08 | 4 | <0.5 | <0.2 |
| 1203073 | Soil | 24 | 0.50 | 148 | 0.067 | 1 | 1.10 | 0.027 | 0.06 | 0.2 | 0.03 | 2.8 | <0.1 | 0.08 | 4 | <0.5 | <0.2 |

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Project: PAN
Report Date: September 30, 2011



# CERTIFICATE OF ANALYSIS DAW11000259.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| | Unit | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm |
| | MDL | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 |
| 1203079 | Soil | 1.1 | 45.2 | 10.2 | 64 | 0.2 | 21.8 | 10.7 | 877 | 2.56 | 6.1 | 3.3 | 2.0 | 58 | 0.4 | 0.4 | 0.1 | 58 | 0.95 | 0.051 | 31 |
| 1203078 | Soil | 0.9 | 29.8 | 9.6 | 61 | 0.3 | 18.4 | 9.9 | 468 | 2.29 | 5.4 | 2.8 | 1.6 | 47 | 0.2 | 0.3 | 0.1 | 56 | 0.61 | 0.042 | 13 |
| 1203077 | Soil | 0.8 | 29.6 | 13.6 | 73 | 0.1 | 18.9 | 10.9 | 331 | 2.85 | 7.3 | 2.6 | 1.8 | 28 | 0.1 | 0.3 | 0.1 | 70 | 0.42 | 0.050 | 12 |
| 1203044 | Soil | 0.7 | 37.6 | 7.7 | 51 | 0.1 | 22.0 | 9.2 | 285 | 2.34 | 7.2 | 2.0 | 2.0 | 260 | 0.1 | 0.5 | 0.1 | 50 | 1.15 | 0.053 | 12 |
| 1203047 | Soil | 1.0 | 29.4 | 6.3 | 55 | <0.1 | 18.5 | 13.4 | 388 | 2.53 | 5.6 | 1.6 | 2.5 | 69 | 0.2 | 0.3 | <0.1 | 59 | 0.58 | 0.076 | 8 |
| 1203046 | Soil | 0.7 | 32.7 | 9.3 | 54 | 0.1 | 22.4 | 10.7 | 423 | 2.63 | 7.6 | 2.4 | 2.5 | 123 | 0.1 | 0.5 | 0.1 | 59 | 0.88 | 0.053 | 12 |
| 1203048 | Soil | 0.8 | 32.6 | 8.3 | 57 | 0.1 | 23.8 | 10.6 | 434 | 2.74 | 8.9 | 2.4 | 3.0 | 64 | 0.1 | 0.5 | 0.1 | 60 | 0.68 | 0.054 | 13 |
| 1203045 | Soil | 0.4 | 48.7 | 5.8 | 65 | <0.1 | 54.7 | 24.2 | 602 | 3.68 | 2.8 | 2.6 | 2.5 | 112 | <0.1 | 0.1 | <0.1 | 87 | 0.58 | 0.069 | 9 |
| 1203029 | Soil | 0.7 | 19.4 | 8.1 | 55 | <0.1 | 15.6 | 10.1 | 293 | 2.72 | 5.7 | 4.4 | 2.8 | 28 | 0.2 | 0.3 | 0.1 | 58 | 0.41 | 0.060 | 13 |
| 1203031 | Soil | 0.7 | 23.7 | 8.7 | 60 | <0.1 | 16.7 | 10.9 | 541 | 2.89 | 5.7 | 2.4 | 3.6 | 45 | 0.2 | 0.3 | 0.1 | 59 | 0.75 | 0.064 | 18 |
| 1203033 | Soil | 1.3 | 27.6 | 11.6 | 48 | <0.1 | 13.3 | 14.5 | 530 | 3.29 | 4.0 | 2.0 | 6.7 | 50 | <0.1 | 0.2 | <0.1 | 68 | 0.47 | 0.040 | 17 |
| 1203032 | Soil | 0.7 | 21.0 | 9.2 | 59 | <0.1 | 18.2 | 11.8 | 425 | 2.67 | 6.3 | 2.8 | 2.7 | 48 | 0.2 | 0.3 | 0.1 | 60 | 0.70 | 0.062 | 14 |
| 1203329 | Soil | 0.5 | 35.0 | 5.6 | 98 | <0.1 | 12.7 | 19.8 | 795 | 5.09 | 2.3 | 1.1 | 4.6 | 31 | <0.1 | 0.2 | 0.1 | 128 | 0.55 | 0.139 | 14 |
| 1203327 | Soil | 0.9 | 20.9 | 8.1 | 56 | <0.1 | 15.5 | 9.2 | 311 | 3.30 | 8.1 | 3.7 | 3.4 | 21 | 0.1 | 0.4 | 0.2 | 75 | 0.24 | 0.026 | 10 |
| 1203328 | Soil | 0.5 | 48.5 | 5.0 | 78 | <0.1 | 11.9 | 14.2 | 656 | 4.72 | 2.4 | 1.8 | 8.8 | 35 | <0.1 | 0.2 | 0.2 | 91 | 0.49 | 0.095 | 27 |
| 1203030 | Soil | 0.7 | 22.6 | 8.8 | 60 | <0.1 | 17.3 | 11.3 | 382 | 2.86 | 5.9 | 4.0 | 4.1 | 37 | 0.2 | 0.4 | 0.2 | 67 | 0.59 | 0.062 | 16 |
| 1203333 | Soil | 0.5 | 31.3 | 10.0 | 90 | 0.1 | 14.5 | 11.2 | 433 | 3.46 | 4.9 | 3.9 | 4.7 | 24 | 0.1 | 0.3 | 0.2 | 74 | 0.34 | 0.077 | 24 |
| 1203332 | Soil | 0.6 | 24.4 | 29.5 | 84 | <0.1 | 11.7 | 10.6 | 431 | 4.16 | 3.4 | 0.9 | 3.2 | 16 | 0.1 | 0.2 | 0.2 | 101 | 0.19 | 0.048 | 10 |
| 1203331 | Soil | 0.5 | 28.9 | 11.1 | 132 | <0.1 | 12.4 | 15.6 | 826 | 5.13 | 2.6 | 1.1 | 6.2 | 27 | <0.1 | 0.2 | 0.2 | 112 | 0.52 | 0.102 | 21 |
| 1203330 | Soil | 0.5 | 16.4 | 10.4 | 138 | <0.1 | 6.7 | 21.5 | 1074 | 6.60 | 1.3 | <0.5 | 5.1 | 24 | <0.1 | 0.1 | 0.1 | 164 | 0.40 | 0.105 | 13 |
| 1203028 | Soil | 0.6 | 19.8 | 8.2 | 59 | <0.1 | 14.2 | 11.3 | 413 | 2.89 | 5.9 | 3.4 | 3.6 | 26 | 0.2 | 0.3 | 0.2 | 64 | 0.38 | 0.064 | 13 |
| 1203027 | Soil | 0.8 | 32.8 | 8.6 | 72 | <0.1 | 17.4 | 12.7 | 440 | 3.52 | 6.3 | 1.4 | 4.7 | 35 | 0.2 | 0.4 | 0.2 | 69 | 0.53 | 0.073 | 18 |
| 1203026 | Soil | 0.5 | 33.9 | 7.7 | 69 | <0.1 | 20.1 | 11.0 | 360 | 2.96 | 5.6 | 2.2 | 4.4 | 40 | 0.2 | 0.4 | 0.2 | 67 | 0.51 | 0.075 | 15 |
| 1203334 | Soil | 0.6 | 30.0 | 12.8 | 70 | <0.1 | 16.9 | 11.7 | 413 | 3.32 | 5.2 | 1.4 | 4.4 | 29 | 0.2 | 0.4 | 0.2 | 69 | 0.44 | 0.073 | 18 |
| 1203036 | Soil | 0.9 | 38.0 | 25.4 | 53 | <0.1 | 22.8 | 11.7 | 386 | 3.37 | 6.1 | 3.3 | 7.9 | 43 | <0.1 | 0.4 | 0.2 | 67 | 0.51 | 0.039 | 19 |
| 1203039 | Soil | 0.5 | 36.6 | 4.3 | 60 | <0.1 | 9.6 | 17.0 | 492 | 3.55 | 2.1 | 0.6 | 2.2 | 39 | <0.1 | 0.1 | <0.1 | 76 | 0.64 | 0.089 | 8 |
| 1203034 | Soil | 1.2 | 31.8 | 12.3 | 52 | <0.1 | 27.5 | 10.1 | 351 | 2.94 | 8.8 | 2.0 | 6.2 | 31 | <0.1 | 0.6 | 0.1 | 61 | 0.39 | 0.026 | 27 |
| 1203035 | Soil | 0.6 | 42.8 | 8.3 | 53 | <0.1 | 19.8 | 11.9 | 484 | 3.22 | 4.6 | 3.7 | 7.9 | 34 | <0.1 | 0.3 | <0.1 | 58 | 0.42 | 0.036 | 27 |
| 1203040 | Soil | 0.8 | 31.0 | 10.5 | 53 | <0.1 | 19.8 | 12.4 | 370 | 2.96 | 5.6 | 0.8 | 4.6 | 36 | <0.1 | 0.4 | 0.1 | 64 | 0.43 | 0.038 | 21 |
| 1203041 | Soil | 0.6 | 39.6 | 4.6 | 53 | <0.1 | 12.2 | 18.1 | 401 | 3.28 | 2.7 | 3.6 | 2.1 | 41 | <0.1 | 0.1 | <0.1 | 77 | 0.55 | 0.074 | 8 |

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# CERTIFICATE OF ANALYSIS DAW11000259.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| | Unit | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | MDL | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 | 0.2 |
| 1203079 | Soil | 30 | 0.50 | 576 | 0.051 | 1 | 1.63 | 0.021 | 0.07 | <0.1 | 0.06 | 6.4 | <0.1 | 0.09 | 5 | <0.5 | <0.2 |
| 1203078 | Soil | 29 | 0.52 | 411 | 0.064 | <1 | 1.51 | 0.018 | 0.07 | 0.1 | 0.03 | 3.9 | <0.1 | 0.07 | 5 | <0.5 | <0.2 |
| 1203077 | Soil | 34 | 0.58 | 280 | 0.077 | <1 | 1.84 | 0.019 | 0.07 | 0.1 | 0.03 | 4.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1203044 | Soil | 27 | 0.56 | 397 | 0.065 | 2 | 1.36 | 0.021 | 0.11 | 0.1 | 0.06 | 4.0 | <0.1 | 0.11 | 4 | 0.7 | <0.2 |
| 1203047 | Soil | 32 | 0.79 | 327 | 0.093 | <1 | 1.29 | 0.019 | 0.18 | 0.1 | 0.02 | 3.4 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1203046 | Soil | 30 | 0.60 | 364 | 0.086 | 2 | 1.50 | 0.031 | 0.08 | 0.2 | 0.04 | 4.4 | <0.1 | 0.07 | 5 | 0.5 | <0.2 |
| 1203048 | Soil | 31 | 0.61 | 312 | 0.086 | <1 | 1.52 | 0.029 | 0.07 | 0.2 | 0.03 | 4.4 | <0.1 | 0.06 | 5 | <0.5 | <0.2 |
| 1203045 | Soil | 115 | 1.84 | 551 | 0.129 | <1 | 1.90 | 0.014 | 0.47 | <0.1 | 0.01 | 5.4 | 0.3 | <0.05 | 7 | <0.5 | <0.2 |
| 1203029 | Soil | 25 | 0.63 | 300 | 0.095 | 1 | 1.51 | 0.015 | 0.07 | 0.1 | 0.03 | 3.6 | <0.1 | 0.06 | 6 | <0.5 | <0.2 |
| 1203031 | Soil | 29 | 0.65 | 352 | 0.081 | 1 | 1.52 | 0.017 | 0.09 | 0.2 | 0.03 | 4.7 | <0.1 | 0.06 | 6 | <0.5 | <0.2 |
| 1203033 | Soil | 66 | 0.98 | 223 | 0.115 | <1 | 1.36 | 0.017 | 0.22 | <0.1 | 0.01 | 5.4 | 0.2 | <0.05 | 7 | <0.5 | <0.2 |
| 1203032 | Soil | 30 | 0.64 | 326 | 0.078 | <1 | 1.49 | 0.020 | 0.05 | 0.2 | 0.03 | 4.0 | <0.1 | 0.07 | 5 | <0.5 | <0.2 |
| 1203329 | Soil | 28 | 1.83 | 670 | 0.286 | 3 | 2.61 | 0.023 | 1.39 | <0.1 | 0.01 | 5.0 | 0.6 | <0.05 | 10 | 0.8 | <0.2 |
| 1203327 | Soil | 33 | 0.72 | 249 | 0.123 | 3 | 1.66 | 0.014 | 0.23 | 0.1 | 0.02 | 4.5 | 0.1 | <0.05 | 6 | 0.9 | <0.2 |
| 1203328 | Soil | 22 | 1.64 | 550 | 0.258 | 2 | 2.32 | 0.022 | 1.06 | <0.1 | 0.02 | 7.1 | 0.4 | <0.05 | 11 | 0.5 | <0.2 |
| 1203030 | Soil | 28 | 0.72 | 332 | 0.110 | 3 | 1.63 | 0.020 | 0.11 | 0.2 | 0.03 | 4.7 | <0.1 | <0.05 | 6 | 1.3 | <0.2 |
| 1203333 | Soil | 28 | 1.08 | 377 | 0.159 | 2 | 2.04 | 0.017 | 0.58 | 0.1 | 0.03 | 5.7 | 0.2 | <0.05 | 7 | 0.9 | <0.2 |
| 1203332 | Soil | 31 | 1.33 | 239 | 0.256 | 1 | 2.26 | 0.015 | 0.63 | <0.1 | <0.01 | 5.8 | 0.3 | <0.05 | 11 | <0.5 | <0.2 |
| 1203331 | Soil | 32 | 1.85 | 590 | 0.284 | 2 | 2.77 | 0.021 | 1.22 | <0.1 | <0.01 | 6.0 | 0.6 | <0.05 | 11 | <0.5 | <0.2 |
| 1203330 | Soil | 14 | 2.46 | 555 | 0.350 | 2 | 3.19 | 0.015 | 1.87 | <0.1 | <0.01 | 9.8 | 0.8 | <0.05 | 14 | 0.7 | <0.2 |
| 1203028 | Soil | 25 | 0.69 | 248 | 0.107 | 1 | 1.55 | 0.018 | 0.12 | 0.1 | 0.03 | 3.8 | 0.1 | <0.05 | 6 | 0.7 | <0.2 |
| 1203027 | Soil | 28 | 0.96 | 364 | 0.126 | 2 | 1.81 | 0.021 | 0.27 | 0.1 | 0.03 | 6.1 | 0.2 | <0.05 | 7 | 1.1 | <0.2 |
| 1203026 | Soil | 30 | 0.83 | 337 | 0.119 | 1 | 1.52 | 0.028 | 0.27 | 0.1 | 0.03 | 5.1 | 0.1 | <0.05 | 6 | 0.9 | <0.2 |
| 1203334 | Soil | 29 | 0.81 | 349 | 0.124 | 1 | 1.75 | 0.020 | 0.30 | 0.1 | 0.03 | 5.7 | 0.2 | <0.05 | 6 | 0.8 | <0.2 |
| 1203036 | Soil | 43 | 0.76 | 393 | 0.124 | 2 | 1.83 | 0.029 | 0.16 | 0.1 | 0.02 | 7.4 | 0.1 | <0.05 | 7 | 0.8 | <0.2 |
| 1203039 | Soil | 25 | 1.13 | 309 | 0.165 | <1 | 1.88 | 0.034 | 0.59 | <0.1 | <0.01 | 4.5 | 0.2 | <0.05 | 7 | 0.8 | <0.2 |
| 1203034 | Soil | 41 | 0.63 | 365 | 0.093 | 1 | 1.70 | 0.019 | 0.09 | 0.1 | 0.01 | 6.2 | <0.1 | <0.05 | 6 | 0.7 | <0.2 |
| 1203035 | Soil | 40 | 0.91 | 294 | 0.145 | 1 | 1.62 | 0.024 | 0.37 | <0.1 | 0.02 | 7.7 | 0.2 | <0.05 | 7 | 1.4 | <0.2 |
| 1203040 | Soil | 38 | 0.72 | 392 | 0.119 | 1 | 1.84 | 0.024 | 0.18 | <0.1 | 0.02 | 5.2 | <0.1 | <0.05 | 6 | 0.7 | <0.2 |
| 1203041 | Soil | 30 | 1.13 | 299 | 0.159 | <1 | 1.74 | 0.030 | 0.46 | <0.1 | <0.01 | 3.6 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |

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Project: PAN
Report Date: September 30, 2011



# CERTIFICATE OF ANALYSIS DAW11000259.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| | Unit | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm |
| | MDL | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 |
| 1203037 | Soil | 0.8 | 33.4 | 18.5 | 54 | <0.1 | 18.2 | 10.5 | 343 | 2.96 | 6.5 | 7.1 | 6.2 | 35 | <0.1 | 0.3 | 0.2 | 62 | 0.48 | 0.042 | 22 |
| 1203038 | Soil | 0.4 | 37.7 | 4.5 | 60 | <0.1 | 9.6 | 17.3 | 498 | 3.49 | 1.9 | 1.3 | 2.3 | 41 | <0.1 | 0.1 | <0.1 | 75 | 0.64 | 0.089 | 8 |
| 1167188 | Soil | 0.7 | 28.3 | 13.0 | 55 | <0.1 | 15.3 | 11.8 | 389 | 2.36 | 5.2 | 1.9 | 2.1 | 29 | <0.1 | 0.2 | 0.2 | 56 | 0.58 | 0.047 | 8 |
| 1203049 | Soil | 0.6 | 29.1 | 8.1 | 57 | <0.1 | 20.0 | 10.6 | 307 | 2.59 | 7.7 | 3.2 | 3.5 | 92 | 0.1 | 0.4 | 0.1 | 57 | 0.60 | 0.045 | 13 |
| 1203043 | Soil | 0.9 | 35.7 | 7.9 | 55 | 0.1 | 19.6 | 10.4 | 357 | 2.63 | 4.8 | 3.9 | 4.5 | 80 | 0.1 | 0.3 | 0.1 | 50 | 0.62 | 0.056 | 24 |
| 1203042 | Soil | 0.8 | 39.0 | 10.2 | 55 | 0.1 | 18.3 | 11.1 | 342 | 2.72 | 4.0 | 2.4 | 4.2 | 84 | 0.1 | 0.3 | 0.1 | 58 | 0.82 | 0.067 | 23 |
| 1167192 | Soil | 1.1 | 26.7 | 31.5 | 145 | 0.1 | 15.1 | 5.5 | 573 | 3.30 | 6.7 | 4.3 | 3.8 | 21 | <0.1 | 0.4 | 0.3 | 34 | 0.25 | 0.013 | 16 |
| 1167190 | Soil | 0.7 | 32.1 | 11.6 | 63 | 0.1 | 17.5 | 12.6 | 363 | 2.52 | 5.8 | 1.9 | 2.1 | 26 | 0.2 | 0.2 | 0.1 | 61 | 0.54 | 0.055 | 9 |
| 1167191 | Soil | 0.8 | 29.1 | 14.0 | 70 | 0.1 | 15.2 | 10.7 | 350 | 2.33 | 5.0 | 1.5 | 1.8 | 24 | 0.1 | 0.2 | 0.1 | 59 | 0.42 | 0.046 | 7 |
| 1167189 | Soil | 0.7 | 40.7 | 12.3 | 60 | <0.1 | 16.8 | 14.1 | 538 | 2.35 | 5.2 | 1.7 | 1.5 | 34 | 0.2 | 0.3 | 0.1 | 61 | 0.82 | 0.055 | 7 |
| 1167435 | Soil | 1.3 | 26.7 | 11.0 | 81 | <0.1 | 25.3 | 10.0 | 442 | 3.05 | 8.2 | 4.0 | 4.8 | 24 | 0.2 | 0.5 | 0.1 | 66 | 0.31 | 0.016 | 18 |
| 1167195 | Soil | 0.9 | 26.6 | 9.9 | 228 | <0.1 | 8.8 | 14.0 | 785 | 4.32 | 8.1 | 1.8 | 1.7 | 18 | 1.0 | 0.9 | <0.1 | 72 | 0.44 | 0.050 | 12 |
| 1167193 | Soil | 2.4 | 58.5 | 34.1 | 159 | 0.2 | 18.5 | 15.5 | 867 | 4.19 | 20.5 | 5.7 | 3.0 | 39 | 0.4 | 1.7 | 0.2 | 55 | 0.84 | 0.047 | 11 |
| 1167194 | Soil | 1.1 | 47.2 | 10.7 | 123 | 0.1 | 22.6 | 13.4 | 501 | 3.08 | 10.4 | 3.2 | 2.7 | 46 | 0.4 | 0.7 | 0.1 | 73 | 0.89 | 0.048 | 12 |
| 1167436 | Soil | 0.7 | 58.2 | 4.1 | 67 | <0.1 | 20.6 | 26.2 | 1120 | 5.16 | 10.6 | 1.9 | 0.8 | 36 | <0.1 | 2.3 | <0.1 | 154 | 0.57 | 0.046 | 5 |
| 1167437 | Soil | 1.2 | 54.4 | 12.0 | 105 | <0.1 | 28.4 | 12.2 | 481 | 3.39 | 11.4 | 3.5 | 4.0 | 35 | 0.1 | 0.7 | 0.2 | 75 | 0.52 | 0.030 | 18 |
| 1167439 | Soil | 1.0 | 25.5 | 28.1 | 65 | <0.1 | 15.5 | 23.7 | 660 | 4.84 | 4.7 | <0.5 | 0.9 | 28 | <0.1 | 0.5 | <0.1 | 136 | 0.70 | 0.039 | 3 |
| 1167438 | Soil | 0.8 | 59.9 | 12.3 | 313 | 0.1 | 12.5 | 17.8 | 911 | 5.26 | 17.5 | 4.3 | 3.1 | 20 | 1.0 | 0.7 | 0.1 | 98 | 0.53 | 0.062 | 14 |
| 1167270 | Soil | 0.8 | 42.7 | 7.1 | 46 | 0.1 | 22.9 | 9.7 | 332 | 2.29 | 7.0 | 3.9 | 2.5 | 156 | 0.1 | 0.6 | 0.1 | 59 | 7.30 | 0.052 | 11 |
| 1167442 | Soil | 0.7 | 18.1 | 11.6 | 64 | <0.1 | 8.9 | 6.5 | 351 | 2.70 | 7.0 | <0.5 | 7.3 | 13 | <0.1 | 0.4 | 0.1 | 34 | 0.18 | 0.024 | 13 |
| 1167440 | Soil | 0.9 | 32.0 | 11.4 | 69 | 0.1 | 22.8 | 14.6 | 632 | 3.63 | 7.5 | 0.5 | 3.2 | 73 | 0.2 | 0.9 | 0.2 | 84 | 1.88 | 0.031 | 12 |
| 1167441 | Soil | 0.8 | 31.3 | 9.8 | 64 | <0.1 | 22.0 | 13.4 | 585 | 3.26 | 6.8 | 1.7 | 3.0 | 68 | 0.1 | 0.8 | 0.1 | 76 | 1.76 | 0.028 | 11 |
| 1089494 | Soil | 0.6 | 34.3 | 6.1 | 39 | <0.1 | 14.4 | 9.8 | 219 | 2.25 | 4.2 | 1.9 | 2.2 | 26 | <0.1 | 0.2 | <0.1 | 67 | 0.46 | 0.035 | 9 |
| 1089495 | Soil | 0.7 | 40.1 | 9.6 | 44 | <0.1 | 15.3 | 12.1 | 274 | 2.51 | 4.5 | 6.9 | 2.3 | 24 | <0.1 | 0.2 | 0.1 | 74 | 0.46 | 0.030 | 10 |
| 1089492 | Soil | 1.2 | 29.6 | 13.6 | 61 | <0.1 | 22.0 | 10.3 | 285 | 2.91 | 9.1 | 2.2 | 6.6 | 22 | 0.1 | 0.6 | 0.1 | 66 | 0.29 | 0.018 | 17 |
| 1167271 | Soil | 1.2 | 33.1 | 10.8 | 74 | <0.1 | 11.7 | 7.6 | 337 | 3.09 | 14.9 | 12.0 | 7.2 | 16 | <0.1 | 0.3 | 0.1 | 40 | 0.25 | 0.018 | 30 |
| 1167187 | Soil | 0.9 | 38.8 | 16.0 | 81 | 0.1 | 14.9 | 14.0 | 381 | 2.80 | 5.3 | <0.5 | 2.5 | 26 | 0.1 | 0.2 | 0.2 | 76 | 0.53 | 0.056 | 9 |
| 1089497 | Soil | 0.7 | 39.4 | 8.5 | 47 | <0.1 | 21.0 | 11.8 | 346 | 2.33 | 5.6 | <0.5 | 2.3 | 32 | 0.1 | 0.4 | 0.1 | 59 | 0.68 | 0.051 | 11 |
| 1089496 | Soil | 0.6 | 44.8 | 6.6 | 47 | <0.1 | 17.1 | 14.6 | 282 | 2.74 | 4.3 | 2.5 | 1.6 | 23 | <0.1 | 0.2 | <0.1 | 79 | 0.49 | 0.045 | 6 |
| 1089498 | Soil | 0.7 | 39.5 | 8.7 | 55 | <0.1 | 20.5 | 11.2 | 271 | 2.48 | 5.5 | 3.3 | 2.6 | 33 | 0.1 | 0.4 | 0.1 | 65 | 0.71 | 0.062 | 10 |

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Project: PAN
Report Date: September 30, 2011



# CERTIFICATE OF ANALYSIS DAW11000259.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| | Unit | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | MDL | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 | 0.2 |
| 1203037 | Soil | 37 | 0.69 | 352 | 0.115 | 2 | 1.72 | 0.024 | 0.13 | 0.1 | 0.03 | 5.6 | 0.1 | <0.05 | 6 | 0.7 | <0.2 |
| 1203038 | Soil | 26 | 1.09 | 297 | 0.156 | 1 | 1.83 | 0.034 | 0.57 | <0.1 | <0.01 | 4.5 | 0.1 | <0.05 | 7 | 0.5 | <0.2 |
| 1167188 | Soil | 27 | 0.52 | 193 | 0.073 | <1 | 1.34 | 0.027 | 0.06 | <0.1 | 0.03 | 4.4 | <0.1 | <0.05 | 5 | 0.8 | <0.2 |
| 1203049 | Soil | 29 | 0.62 | 341 | 0.088 | <1 | 1.71 | 0.024 | 0.08 | 0.1 | 0.03 | 4.6 | <0.1 | <0.05 | 5 | 0.9 | <0.2 |
| 1203043 | Soil | 29 | 0.65 | 494 | 0.088 | 3 | 1.57 | 0.019 | 0.13 | <0.1 | 0.06 | 5.6 | 0.1 | 0.07 | 5 | 1.4 | <0.2 |
| 1203042 | Soil | 36 | 0.75 | 466 | 0.107 | <1 | 1.77 | 0.019 | 0.18 | <0.1 | 0.04 | 5.5 | 0.1 | 0.05 | 6 | 1.2 | <0.2 |
| 1167192 | Soil | 21 | 0.45 | 194 | 0.089 | <1 | 1.41 | 0.016 | 0.23 | <0.1 | 0.04 | 10.3 | 0.1 | <0.05 | 7 | 1.7 | <0.2 |
| 1167190 | Soil | 30 | 0.59 | 183 | 0.075 | 1 | 1.37 | 0.029 | 0.06 | 0.2 | 0.02 | 4.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1167191 | Soil | 26 | 0.54 | 145 | 0.070 | 3 | 1.27 | 0.024 | 0.07 | 0.1 | 0.03 | 3.9 | <0.1 | 0.05 | 5 | 0.8 | <0.2 |
| 1167189 | Soil | 28 | 0.56 | 185 | 0.065 | <1 | 1.31 | 0.028 | 0.05 | <0.1 | 0.04 | 4.8 | <0.1 | 0.05 | 4 | 1.1 | <0.2 |
| 1167435 | Soil | 39 | 0.55 | 211 | 0.075 | <1 | 1.71 | 0.017 | 0.07 | <0.1 | 0.04 | 6.9 | <0.1 | <0.05 | 6 | 0.6 | <0.2 |
| 1167195 | Soil | 10 | 0.81 | 217 | 0.060 | 2 | 1.65 | 0.020 | 0.17 | <0.1 | 0.22 | 11.6 | <0.1 | <0.05 | 8 | 1.0 | <0.2 |
| 1167193 | Soil | 16 | 0.34 | 269 | 0.002 | 5 | 1.06 | 0.010 | 0.16 | <0.1 | 0.63 | 10.6 | <0.1 | 0.06 | 4 | 1.7 | <0.2 |
| 1167194 | Soil | 29 | 0.61 | 289 | 0.073 | 4 | 1.55 | 0.029 | 0.06 | 0.1 | 0.09 | 6.7 | <0.1 | <0.05 | 6 | 1.4 | <0.2 |
| 1167436 | Soil | 43 | 1.70 | 140 | 0.141 | 4 | 2.29 | 0.026 | 0.07 | <0.1 | 0.03 | 16.1 | <0.1 | <0.05 | 9 | 0.7 | <0.2 |
| 1167437 | Soil | 42 | 0.63 | 290 | 0.088 | 1 | 2.02 | 0.031 | 0.07 | 0.1 | 0.14 | 8.5 | <0.1 | <0.05 | 6 | 1.4 | <0.2 |
| 1167439 | Soil | 18 | 1.59 | 164 | 0.089 | 3 | 2.46 | 0.049 | 0.09 | <0.1 | <0.01 | 13.1 | <0.1 | 0.05 | 9 | 0.7 | <0.2 |
| 1167438 | Soil | 13 | 0.62 | 239 | 0.014 | 5 | 1.83 | 0.016 | 0.06 | <0.1 | 0.29 | 18.4 | <0.1 | <0.05 | 9 | 1.1 | <0.2 |
| 1167270 | Soil | 28 | 0.89 | 317 | 0.091 | 2 | 1.30 | 0.049 | 0.07 | 0.1 | 0.04 | 3.7 | <0.1 | 0.12 | 4 | 0.5 | <0.2 |
| 1167442 | Soil | 13 | 0.51 | 310 | 0.067 | 1 | 1.13 | 0.007 | 0.16 | <0.1 | 0.02 | 8.6 | <0.1 | <0.05 | 6 | 0.7 | <0.2 |
| 1167440 | Soil | 35 | 0.80 | 296 | 0.091 | 2 | 2.00 | 0.041 | 0.10 | 0.1 | 0.03 | 7.8 | <0.1 | 0.07 | 6 | 0.5 | <0.2 |
| 1167441 | Soil | 31 | 0.74 | 280 | 0.087 | 3 | 1.82 | 0.036 | 0.09 | 0.1 | 0.03 | 7.0 | <0.1 | 0.06 | 6 | 0.5 | <0.2 |
| 1089494 | Soil | 29 | 0.51 | 146 | 0.124 | 1 | 1.37 | 0.028 | 0.05 | <0.1 | 0.01 | 4.0 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 1089495 | Soil | 30 | 0.63 | 165 | 0.126 | <1 | 1.55 | 0.027 | 0.06 | <0.1 | <0.01 | 4.3 | <0.1 | <0.05 | 5 | 0.5 | <0.2 |
| 1089492 | Soil | 38 | 0.56 | 143 | 0.086 | <1 | 1.61 | 0.020 | 0.08 | 0.1 | 0.02 | 6.9 | <0.1 | 0.05 | 5 | 0.5 | <0.2 |
| 1167271 | Soil | 18 | 0.58 | 149 | 0.085 | <1 | 1.15 | 0.017 | 0.22 | <0.1 | 0.02 | 6.2 | 0.1 | 0.05 | 6 | 0.7 | <0.2 |
| 1167187 | Soil | 28 | 0.83 | 211 | 0.106 | <1 | 1.59 | 0.031 | 0.15 | 0.1 | 0.02 | 4.8 | 0.1 | 0.08 | 5 | 0.8 | <0.2 |
| 1089497 | Soil | 30 | 0.51 | 247 | 0.082 | 1 | 1.50 | 0.032 | 0.04 | 0.1 | 0.04 | 4.2 | <0.1 | <0.05 | 4 | 0.9 | <0.2 |
| 1089496 | Soil | 29 | 0.57 | 112 | 0.120 | <1 | 1.52 | 0.032 | 0.06 | <0.1 | <0.01 | 4.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1089498 | Soil | 30 | 0.61 | 198 | 0.092 | 1 | 1.45 | 0.039 | 0.05 | <0.1 | 0.02 | 4.4 | <0.1 | <0.05 | 4 | 0.7 | <0.2 |

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Project: PAN
Report Date: September 30, 2011



# CERTIFICATE OF ANALYSIS DAW11000259.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| | Unit | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm |
| | MDL | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 |
| 1167413 | Soil | 1.1 | 28.5 | 39.9 | 65 | 0.1 | 29.4 | 18.9 | 507 | 3.79 | 5.5 | <0.5 | 3.1 | 43 | 0.1 | 0.3 | 0.3 | 84 | 0.74 | 0.048 | 16 |
| 1089493 | Soil | 1.1 | 41.8 | 11.1 | 53 | <0.1 | 24.6 | 12.4 | 374 | 3.17 | 8.4 | 3.3 | 3.5 | 32 | <0.1 | 0.5 | 0.1 | 85 | 0.51 | 0.035 | 14 |
| 1089499 | Soil | 0.7 | 42.7 | 8.8 | 56 | <0.1 | 25.1 | 12.8 | 405 | 2.64 | 7.0 | 2.1 | 2.9 | 41 | 0.2 | 0.5 | 0.1 | 66 | 0.87 | 0.065 | 12 |
| 1089500 | Soil | 0.7 | 35.7 | 11.1 | 65 | 0.1 | 18.7 | 11.6 | 279 | 2.62 | 5.4 | 2.9 | 2.6 | 29 | 0.1 | 0.3 | 0.1 | 69 | 0.55 | 0.052 | 12 |
| 1167414 | Soil | 0.9 | 20.5 | 32.3 | 51 | 0.1 | 18.0 | 10.7 | 328 | 2.96 | 6.6 | 5.5 | 2.6 | 40 | <0.1 | 0.3 | 0.2 | 77 | 0.52 | 0.043 | 10 |
| 1167417 | Soil | 0.6 | 28.9 | 43.9 | 63 | 0.1 | 15.7 | 13.6 | 406 | 2.78 | 4.4 | 1.1 | 2.4 | 50 | 0.2 | 0.3 | 0.2 | 67 | 0.84 | 0.078 | 12 |
| 1167415 | Soil | 0.5 | 32.4 | 65.1 | 62 | 0.1 | 19.7 | 9.4 | 445 | 2.40 | 12.2 | 2.3 | 2.7 | 96 | 0.3 | 0.6 | 0.3 | 56 | 1.46 | 0.053 | 13 |
| 1167416 | Soil | 0.7 | 63.3 | 38.9 | 51 | 0.2 | 21.2 | 16.3 | 319 | 3.18 | 5.3 | <0.5 | 2.8 | 61 | <0.1 | 0.2 | 0.2 | 80 | 0.84 | 0.046 | 12 |
| 1167418 | Soil | 1.0 | 49.7 | 39.3 | 52 | 0.2 | 22.7 | 11.5 | 683 | 2.81 | 6.1 | 5.0 | 3.7 | 45 | 0.1 | 0.4 | 0.2 | 64 | 0.81 | 0.077 | 69 |
| 1167419 | Soil | 1.1 | 95.5 | 8.3 | 70 | 0.1 | 25.2 | 20.9 | 446 | 5.10 | 5.0 | 3.8 | 2.2 | 21 | <0.1 | 0.3 | <0.1 | 96 | 0.45 | 0.051 | 9 |
| 1167420 | Soil | 1.5 | 42.2 | 16.4 | 70 | 0.2 | 26.4 | 13.7 | 547 | 3.41 | 5.6 | 1.9 | 3.4 | 32 | <0.1 | 0.4 | 0.1 | 82 | 0.50 | 0.048 | 17 |
| 1167421 | Soil | 1.0 | 74.4 | 11.2 | 95 | 0.1 | 28.1 | 17.1 | 576 | 3.57 | 6.0 | 1.0 | 2.7 | 374 | 0.2 | 0.4 | 0.1 | 87 | 1.00 | 0.052 | 13 |
| 1167422 | Soil | 1.0 | 33.9 | 8.0 | 61 | <0.1 | 16.5 | 11.3 | 323 | 2.97 | 9.8 | 2.0 | 3.2 | 39 | <0.1 | 0.4 | 0.1 | 73 | 0.39 | 0.043 | 11 |
| 1167423 | Soil | 0.9 | 36.2 | 8.6 | 63 | 0.1 | 24.1 | 9.8 | 360 | 2.59 | 9.5 | 4.5 | 4.6 | 47 | 0.1 | 0.4 | 0.1 | 60 | 0.46 | 0.047 | 17 |
| 1167424 | Soil | 0.8 | 36.6 | 8.3 | 63 | 0.1 | 23.8 | 10.1 | 361 | 2.64 | 9.1 | 6.3 | 4.6 | 48 | <0.1 | 0.4 | 0.1 | 64 | 0.47 | 0.049 | 17 |
| 1167401 | Soil | 0.3 | 141.6 | 8.6 | 66 | <0.1 | 21.7 | 19.7 | 456 | 3.34 | 1.5 | <0.5 | 1.1 | 36 | <0.1 | <0.1 | <0.1 | 87 | 0.79 | 0.189 | 5 |
| 1167402 | Soil | 0.5 | 116.3 | 75.8 | 79 | <0.1 | 28.2 | 21.3 | 565 | 3.26 | 3.5 | 0.7 | 3.0 | 49 | <0.1 | 0.2 | 0.2 | 84 | 0.63 | 0.161 | 10 |
| 1167403 | Soil | 0.5 | 71.3 | 48.4 | 67 | 0.2 | 21.1 | 17.7 | 305 | 3.33 | 3.0 | <0.5 | 1.1 | 48 | 0.1 | 0.2 | 0.4 | 86 | 0.44 | 0.050 | 6 |
| 1167404 | Soil | 0.6 | 25.8 | 9.4 | 72 | <0.1 | 19.0 | 9.8 | 326 | 2.32 | 7.0 | 2.5 | 3.3 | 187 | 0.2 | 0.3 | 0.1 | 54 | 0.72 | 0.075 | 15 |
| 1167405 | Soil | 0.9 | 50.9 | 11.0 | 87 | 0.1 | 27.7 | 10.7 | 394 | 3.07 | 15.1 | 7.3 | 4.9 | 71 | 0.1 | 0.6 | 0.2 | 67 | 0.85 | 0.057 | 21 |
| 1167406 | Soil | 1.1 | 42.7 | 13.7 | 115 | <0.1 | 31.8 | 11.1 | 357 | 3.66 | 10.1 | 8.0 | 11.1 | 27 | 0.1 | 0.3 | 0.3 | 72 | 0.36 | 0.076 | 27 |
| 1167407 | Soil | 1.2 | 36.1 | 13.6 | 75 | <0.1 | 25.4 | 9.5 | 344 | 3.11 | 11.8 | 10.0 | 5.3 | 36 | <0.1 | 0.5 | 0.2 | 66 | 0.60 | 0.036 | 19 |
| 1167408 | Soil | 2.6 | 74.1 | 17.4 | 164 | <0.1 | 52.3 | 14.9 | 313 | 4.98 | 17.8 | 0.5 | 11.8 | 22 | 0.2 | 0.2 | 0.2 | 93 | 0.26 | 0.071 | 26 |
| 1167409 | Soil | 1.9 | 72.7 | 16.8 | 190 | <0.1 | 50.9 | 15.8 | 482 | 5.44 | 37.6 | 2.8 | 13.3 | 35 | 0.2 | 0.5 | 0.3 | 97 | 0.39 | 0.083 | 22 |
| 1167410 | Soil | 1.8 | 66.3 | 13.3 | 166 | <0.1 | 51.3 | 14.3 | 381 | 4.94 | 11.5 | 4.2 | 9.8 | 28 | <0.1 | 0.3 | 0.2 | 105 | 0.35 | 0.098 | 19 |
| 1167411 | Soil | 0.9 | 40.0 | 10.9 | 86 | 0.1 | 30.0 | 11.6 | 428 | 3.02 | 12.5 | 5.4 | 4.7 | 51 | 0.2 | 0.7 | 0.2 | 63 | 0.73 | 0.071 | 18 |
| 1167412 | Soil | 0.6 | 25.7 | 7.8 | 65 | <0.1 | 17.4 | 9.5 | 287 | 2.37 | 6.0 | 6.1 | 3.3 | 194 | 0.2 | 0.4 | 0.1 | 55 | 0.66 | 0.065 | 13 |
| 1167246 | Soil | 0.6 | 14.8 | 10.8 | 52 | <0.1 | 9.9 | 6.1 | 376 | 2.47 | 5.1 | 1.5 | 3.7 | 28 | <0.1 | 0.4 | 0.1 | 36 | 0.31 | 0.018 | 6 |
| 1167247 | Soil | 0.8 | 36.2 | 11.0 | 78 | <0.1 | 20.8 | 9.3 | 348 | 3.62 | 5.9 | 3.8 | 6.7 | 30 | <0.1 | 0.4 | 0.2 | 54 | 0.31 | 0.021 | 22 |
| 1167248 | Soil | 1.2 | 15.4 | 8.6 | 73 | <0.1 | 13.5 | 8.4 | 372 | 3.34 | 5.3 | 2.0 | 3.6 | 23 | <0.1 | 0.3 | 0.1 | 56 | 0.29 | 0.038 | 8 |

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Project: PAN
Report Date: September 30, 2011



# CERTIFICATE OF ANALYSIS DAW11000259.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| | Unit | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | MDL | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 | 0.2 |
| 1167413 | Soil | 53 | 0.79 | 786 | 0.052 | 2 | 1.82 | 0.019 | 0.05 | 0.3 | 0.04 | 10.3 | <0.1 | <0.05 | 6 | 0.6 | <0.2 |
| 1089493 | Soil | 42 | 0.66 | 219 | 0.081 | <1 | 1.94 | 0.025 | 0.05 | <0.1 | 0.03 | 7.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1089499 | Soil | 32 | 0.64 | 262 | 0.094 | 2 | 1.57 | 0.038 | 0.06 | 0.2 | 0.04 | 4.4 | <0.1 | 0.06 | 4 | 0.6 | <0.2 |
| 1089500 | Soil | 32 | 0.65 | 233 | 0.096 | <1 | 1.62 | 0.028 | 0.07 | 0.1 | 0.02 | 4.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1167414 | Soil | 36 | 0.68 | 500 | 0.087 | 1 | 1.81 | 0.020 | 0.05 | 0.1 | 0.02 | 4.8 | <0.1 | <0.05 | 6 | 0.5 | <0.2 |
| 1167417 | Soil | 33 | 0.81 | 439 | 0.103 | 2 | 1.51 | 0.023 | 0.14 | 0.1 | 0.03 | 4.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1167415 | Soil | 26 | 0.62 | 674 | 0.064 | 2 | 1.41 | 0.020 | 0.07 | <0.1 | 0.04 | 4.8 | <0.1 | 0.07 | 5 | 0.8 | <0.2 |
| 1167416 | Soil | 32 | 0.74 | 873 | 0.100 | <1 | 1.62 | 0.027 | 0.05 | <0.1 | 0.03 | 6.0 | <0.1 | <0.05 | 6 | 0.5 | <0.2 |
| 1167418 | Soil | 33 | 0.66 | 570 | 0.079 | 1 | 1.53 | 0.019 | 0.10 | 0.1 | 0.06 | 5.4 | <0.1 | 0.07 | 6 | 1.4 | <0.2 |
| 1167419 | Soil | 30 | 0.46 | 327 | 0.018 | 2 | 1.25 | 0.014 | 0.09 | 0.3 | 0.03 | 14.8 | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| 1167420 | Soil | 47 | 0.73 | 413 | 0.077 | 1 | 1.99 | 0.021 | 0.05 | 0.1 | 0.03 | 7.4 | <0.1 | <0.05 | 7 | 0.6 | <0.2 |
| 1167421 | Soil | 46 | 0.97 | 511 | 0.076 | <1 | 1.99 | 0.024 | 0.08 | 0.1 | 0.04 | 7.6 | <0.1 | 0.08 | 6 | 0.7 | <0.2 |
| 1167422 | Soil | 25 | 0.75 | 322 | 0.117 | 1 | 1.59 | 0.019 | 0.27 | <0.1 | 0.02 | 4.4 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1167423 | Soil | 32 | 0.56 | 381 | 0.098 | <1 | 1.60 | 0.022 | 0.11 | 0.1 | 0.04 | 4.6 | <0.1 | <0.05 | 5 | 0.6 | <0.2 |
| 1167424 | Soil | 31 | 0.56 | 368 | 0.095 | <1 | 1.61 | 0.021 | 0.11 | 0.1 | 0.04 | 4.6 | <0.1 | <0.05 | 5 | 1.0 | <0.2 |
| 1167401 | Soil | 27 | 1.16 | 594 | 0.132 | <1 | 1.78 | 0.045 | 0.53 | <0.1 | 0.01 | 5.5 | 0.1 | <0.05 | 6 | 0.5 | <0.2 |
| 1167402 | Soil | 33 | 1.06 | 387 | 0.150 | <1 | 1.59 | 0.025 | 0.39 | <0.1 | 0.01 | 5.1 | 0.2 | <0.05 | 7 | 0.7 | <0.2 |
| 1167403 | Soil | 45 | 1.26 | 623 | 0.142 | 1 | 1.89 | 0.022 | 0.37 | <0.1 | 0.02 | 5.5 | 0.2 | <0.05 | 8 | <0.5 | <0.2 |
| 1167404 | Soil | 26 | 0.60 | 212 | 0.089 | 3 | 1.44 | 0.029 | 0.12 | 0.2 | 0.04 | 4.2 | 0.1 | 0.08 | 4 | 0.6 | <0.2 |
| 1167405 | Soil | 31 | 0.51 | 514 | 0.102 | 1 | 1.81 | 0.024 | 0.22 | <0.1 | 0.04 | 5.5 | 0.2 | <0.05 | 6 | 1.3 | <0.2 |
| 1167406 | Soil | 36 | 0.63 | 307 | 0.153 | 1 | 1.81 | 0.015 | 0.71 | 0.1 | 0.02 | 5.8 | 0.4 | <0.05 | 7 | 1.0 | <0.2 |
| 1167407 | Soil | 35 | 0.56 | 363 | 0.092 | 1 | 1.80 | 0.025 | 0.16 | <0.1 | 0.03 | 5.9 | <0.1 | <0.05 | 6 | 0.7 | <0.2 |
| 1167408 | Soil | 50 | 0.84 | 403 | 0.202 | 2 | 2.51 | 0.009 | 1.09 | <0.1 | <0.01 | 5.3 | 0.7 | <0.05 | 8 | 1.4 | <0.2 |
| 1167409 | Soil | 47 | 0.65 | 469 | 0.179 | 2 | 1.90 | 0.017 | 0.89 | <0.1 | 0.02 | 7.1 | 0.5 | <0.05 | 7 | 1.2 | <0.2 |
| 1167410 | Soil | 53 | 1.00 | 530 | 0.252 | 1 | 2.54 | 0.011 | 1.25 | <0.1 | <0.01 | 5.8 | 0.6 | <0.05 | 9 | 1.2 | <0.2 |
| 1167411 | Soil | 33 | 0.66 | 377 | 0.103 | 2 | 1.57 | 0.031 | 0.17 | 0.2 | 0.03 | 4.3 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1167412 | Soil | 23 | 0.56 | 233 | 0.084 | 2 | 1.26 | 0.023 | 0.12 | 0.2 | 0.03 | 3.9 | <0.1 | 0.05 | 4 | 0.6 | <0.2 |
| 1167246 | Soil | 15 | 0.22 | 313 | 0.040 | 1 | 1.08 | 0.009 | 0.10 | <0.1 | 0.01 | 5.4 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 1167247 | Soil | 36 | 0.66 | 230 | 0.043 | <1 | 1.75 | 0.013 | 0.10 | <0.1 | 0.03 | 9.1 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 1167248 | Soil | 25 | 0.48 | 239 | 0.087 | <1 | 1.60 | 0.012 | 0.23 | <0.1 | <0.01 | 4.6 | <0.1 | <0.05 | 6 | 0.5 | <0.2 |

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Project: PAN
Report Date: September 30, 2011



# CERTIFICATE OF ANALYSIS DAW11000259.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| | Unit | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm |
| | MDL | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 |
| 1167249 | Soil | 1.0 | 29.7 | 10.0 | 63 | <0.1 | 23.6 | 9.3 | 386 | 3.04 | 7.1 | 11.2 | 5.2 | 59 | <0.1 | 0.6 | 0.2 | 61 | 0.47 | 0.041 | 20 |
| 1167250 | Soil | 0.9 | 26.9 | 33.8 | 109 | <0.1 | 15.1 | 8.3 | 683 | 3.48 | 5.3 | 1.5 | 7.3 | 26 | <0.1 | 0.5 | 0.2 | 40 | 0.25 | 0.025 | 20 |
| 1167251 | Soil | 1.0 | 50.2 | 11.9 | 110 | <0.1 | 41.3 | 13.6 | 569 | 3.66 | 7.6 | 10.5 | 6.8 | 37 | 0.1 | 0.4 | 0.1 | 73 | 0.52 | 0.055 | 23 |
| 1167252 | Soil | 0.4 | 31.4 | 7.8 | 75 | 0.1 | 16.2 | 6.2 | 362 | 1.74 | 3.4 | 4.4 | 1.5 | 170 | 0.3 | 0.5 | 0.1 | 33 | 1.98 | 0.057 | 10 |
| 1167253 | Soil | 0.5 | 28.7 | 9.9 | 53 | <0.1 | 20.5 | 9.2 | 366 | 2.34 | 5.6 | 3.6 | 3.1 | 76 | <0.1 | 0.4 | 0.1 | 52 | 1.01 | 0.052 | 15 |
| 1167254 | Soil | 0.7 | 25.1 | 9.2 | 59 | <0.1 | 17.4 | 10.9 | 357 | 2.74 | 7.2 | 2.8 | 3.6 | 45 | <0.1 | 0.4 | 0.1 | 64 | 0.61 | 0.049 | 12 |
| 1167255 | Soil | 0.5 | 34.0 | 12.8 | 60 | <0.1 | 20.9 | 9.8 | 282 | 2.55 | 5.0 | 5.2 | 2.9 | 75 | <0.1 | 0.3 | 0.1 | 68 | 0.72 | 0.079 | 12 |
| 1167256 | Soil | 0.8 | 28.7 | 12.4 | 56 | <0.1 | 21.7 | 11.3 | 446 | 2.61 | 6.5 | 5.2 | 3.6 | 99 | 0.1 | 0.5 | 0.1 | 60 | 0.71 | 0.051 | 14 |
| 1167257 | Soil | 1.4 | 25.2 | 27.6 | 79 | 0.2 | 16.9 | 10.5 | 557 | 3.11 | 5.9 | 3.9 | 3.5 | 96 | 0.2 | 0.4 | 0.2 | 58 | 0.58 | 0.051 | 13 |
| 1167235 | Soil | 0.8 | 22.0 | 12.4 | 79 | <0.1 | 15.8 | 8.2 | 640 | 3.27 | 4.2 | 4.2 | 8.6 | 32 | <0.1 | 0.3 | <0.1 | 44 | 0.45 | 0.033 | 25 |
| 1167240 | Soil | 1.0 | 27.2 | 9.3 | 84 | <0.1 | 13.6 | 7.8 | 259 | 3.49 | 3.8 | 3.6 | 7.3 | 47 | <0.1 | 0.3 | <0.1 | 47 | 0.48 | 0.027 | 23 |
| 1167238 | Soil | 2.7 | 15.2 | 19.7 | 71 | <0.1 | 18.6 | 9.4 | 467 | 3.44 | 5.0 | 2.7 | 7.6 | 23 | <0.1 | 0.4 | 0.1 | 42 | 0.26 | 0.026 | 11 |
| 1167237 | Soil | 1.4 | 15.7 | 8.7 | 77 | <0.1 | 13.9 | 8.6 | 431 | 3.62 | 5.4 | 1.2 | 6.9 | 22 | <0.1 | 0.3 | 0.1 | 44 | 0.22 | 0.024 | 12 |
| 1167236 | Soil | 0.6 | 9.3 | 7.0 | 55 | <0.1 | 6.6 | 4.8 | 336 | 2.30 | 2.8 | 0.6 | 3.8 | 75 | <0.1 | 0.3 | 0.1 | 29 | 0.29 | 0.043 | 11 |
| 1167243 | Soil | 0.6 | 31.7 | 53.0 | 92 | <0.1 | 8.7 | 8.2 | 634 | 3.71 | 3.2 | 2.2 | 3.6 | 50 | 0.2 | 0.2 | 0.1 | 58 | 0.37 | 0.031 | 9 |
| 1167242 | Soil | 1.1 | 29.2 | 10.7 | 55 | 0.1 | 17.0 | 9.4 | 334 | 3.15 | 6.6 | 3.5 | 4.1 | 72 | <0.1 | 0.3 | 0.1 | 57 | 0.37 | 0.047 | 19 |
| 1167241 | Soil | 0.6 | 27.3 | 9.3 | 72 | <0.1 | 19.8 | 9.2 | 334 | 2.22 | 5.7 | 2.3 | 3.2 | 172 | 0.2 | 0.4 | 0.1 | 53 | 0.68 | 0.061 | 15 |
| 1167239 | Soil | 1.4 | 26.0 | 15.2 | 85 | <0.1 | 14.2 | 7.6 | 404 | 3.40 | 13.8 | <0.5 | 7.1 | 36 | <0.1 | 0.4 | 0.1 | 40 | 0.27 | 0.033 | 17 |
| 1167245 | Soil | 1.6 | 37.6 | 1.9 | 18 | <0.1 | 9.1 | 4.2 | 199 | 1.10 | 3.5 | 1.1 | 0.3 | 208 | 0.2 | 0.6 | <0.1 | 16 | 2.59 | 0.060 | 2 |
| 1167244 | Soil | 1.1 | 21.9 | 14.3 | 72 | <0.1 | 17.0 | 9.4 | 522 | 3.52 | 6.2 | 5.8 | 4.2 | 77 | <0.1 | 0.3 | 0.2 | 50 | 0.53 | 0.048 | 13 |
| 1167202 | Soil | 0.4 | 50.2 | 3.8 | 60 | <0.1 | 13.9 | 17.3 | 512 | 3.75 | 1.7 | <0.5 | 0.5 | 64 | <0.1 | <0.1 | <0.1 | 95 | 0.75 | 0.122 | 3 |
| 1167209 | Soil | 0.8 | 30.1 | 16.0 | 51 | <0.1 | 21.0 | 13.8 | 387 | 3.15 | 6.7 | 4.6 | 4.0 | 61 | <0.1 | 0.4 | 0.1 | 76 | 0.49 | 0.048 | 13 |
| 1167210 | Soil | 0.4 | 32.9 | 3.0 | 60 | <0.1 | 9.8 | 17.4 | 518 | 3.27 | 1.7 | 1.0 | 0.5 | 54 | <0.1 | <0.1 | <0.1 | 89 | 0.61 | 0.088 | 2 |
| 1167211 | Soil | 1.3 | 17.0 | 12.5 | 45 | 0.1 | 16.4 | 8.8 | 268 | 2.93 | 8.1 | 2.1 | 3.4 | 48 | <0.1 | 0.4 | 0.2 | 78 | 0.25 | 0.026 | 10 |
| 1167206 | Soil | 0.6 | 28.7 | 10.1 | 50 | <0.1 | 19.9 | 12.5 | 388 | 2.99 | 6.3 | 4.4 | 2.6 | 31 | <0.1 | 0.3 | <0.1 | 70 | 0.39 | 0.044 | 11 |
| 1167207 | Soil | 0.4 | 34.5 | 2.9 | 57 | <0.1 | 9.3 | 13.9 | 408 | 3.29 | 2.1 | 0.6 | 1.1 | 51 | <0.1 | <0.1 | <0.1 | 68 | 0.55 | 0.097 | 4 |
| 1167204 | Soil | 0.6 | 37.8 | 14.0 | 59 | <0.1 | 13.1 | 12.9 | 449 | 3.10 | 2.8 | 2.8 | 1.8 | 33 | <0.1 | 0.2 | <0.1 | 73 | 0.59 | 0.083 | 11 |
| 1167201 | Soil | 1.0 | 19.8 | 6.1 | 55 | <0.1 | 10.2 | 9.6 | 314 | 3.15 | 5.1 | <0.5 | 0.9 | 26 | 0.1 | 0.2 | 0.1 | 91 | 0.29 | 0.080 | 6 |
| 1167208 | Soil | 0.4 | 37.9 | 3.8 | 63 | <0.1 | 10.2 | 15.4 | 432 | 3.42 | 2.8 | 2.1 | 1.0 | 52 | <0.1 | <0.1 | <0.1 | 73 | 0.58 | 0.096 | 4 |
| 1167205 | Soil | 0.6 | 37.2 | 11.1 | 58 | <0.1 | 12.9 | 15.2 | 477 | 3.37 | 2.9 | 1.3 | 1.3 | 35 | <0.1 | 0.2 | <0.1 | 84 | 0.59 | 0.080 | 7 |

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Project: PAN
Report Date: September 30, 2011



# CERTIFICATE OF ANALYSIS DAW11000259.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| | Unit | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | MDL | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 | 0.2 |
| 1167249 | Soil | 35 | 0.60 | 293 | 0.099 | 1 | 1.67 | 0.029 | 0.10 | <0.1 | 0.04 | 6.8 | <0.1 | <0.05 | 5 | 0.7 | <0.2 |
| 1167250 | Soil | 21 | 0.31 | 274 | 0.048 | <1 | 1.16 | 0.010 | 0.14 | <0.1 | 0.03 | 8.9 | <0.1 | <0.05 | 5 | 0.7 | <0.2 |
| 1167251 | Soil | 87 | 1.01 | 274 | 0.121 | <1 | 2.04 | 0.020 | 0.21 | <0.1 | 0.02 | 10.9 | 0.2 | <0.05 | 8 | <0.5 | <0.2 |
| 1167252 | Soil | 20 | 0.47 | 425 | 0.051 | 5 | 1.10 | 0.027 | 0.07 | 0.2 | 0.04 | 2.9 | <0.1 | 0.08 | 3 | 0.7 | <0.2 |
| 1167253 | Soil | 27 | 0.49 | 322 | 0.073 | 1 | 1.50 | 0.030 | 0.05 | 0.1 | 0.03 | 4.7 | <0.1 | <0.05 | 5 | 0.6 | <0.2 |
| 1167254 | Soil | 27 | 0.54 | 224 | 0.083 | 1 | 1.48 | 0.030 | 0.07 | 0.1 | 0.02 | 4.6 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 1167255 | Soil | 32 | 0.67 | 287 | 0.101 | <1 | 1.31 | 0.035 | 0.11 | 0.2 | 0.02 | 4.1 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 1167256 | Soil | 28 | 0.61 | 422 | 0.091 | <1 | 1.70 | 0.035 | 0.05 | 0.1 | 0.03 | 4.5 | <0.1 | <0.05 | 5 | 0.9 | <0.2 |
| 1167257 | Soil | 28 | 0.49 | 766 | 0.083 | <1 | 1.61 | 0.021 | 0.07 | 0.1 | 0.04 | 6.5 | <0.1 | <0.05 | 6 | 0.5 | <0.2 |
| 1167235 | Soil | 21 | 0.48 | 551 | 0.078 | <1 | 1.27 | 0.015 | 0.28 | <0.1 | 0.02 | 8.4 | <0.1 | <0.05 | 6 | 0.5 | <0.2 |
| 1167240 | Soil | 22 | 0.48 | 379 | 0.102 | <1 | 1.66 | 0.016 | 0.29 | <0.1 | 0.03 | 9.5 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1167238 | Soil | 32 | 0.49 | 278 | 0.060 | <1 | 1.56 | 0.013 | 0.28 | 0.1 | 0.01 | 9.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1167237 | Soil | 25 | 0.52 | 217 | 0.106 | 1 | 1.70 | 0.009 | 0.45 | <0.1 | <0.01 | 9.2 | 0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 1167236 | Soil | 11 | 0.55 | 201 | 0.059 | 1 | 1.45 | 0.008 | 0.24 | <0.1 | <0.01 | 4.8 | 0.1 | <0.05 | 8 | <0.5 | <0.2 |
| 1167243 | Soil | 10 | 1.15 | 390 | 0.168 | <1 | 2.00 | 0.014 | 0.70 | 0.2 | 0.01 | 6.8 | 0.2 | <0.05 | 9 | <0.5 | <0.2 |
| 1167242 | Soil | 26 | 0.62 | 503 | 0.111 | <1 | 1.72 | 0.019 | 0.15 | <0.1 | 0.02 | 5.0 | 0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 1167241 | Soil | 26 | 0.59 | 239 | 0.084 | 2 | 1.41 | 0.029 | 0.12 | 0.2 | 0.04 | 4.2 | <0.1 | 0.13 | 4 | 0.6 | <0.2 |
| 1167239 | Soil | 20 | 0.40 | 190 | 0.047 | <1 | 1.26 | 0.011 | 0.18 | <0.1 | 0.01 | 9.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1167245 | Soil | 7 | 0.15 | 959 | 0.011 | 6 | 0.26 | 0.021 | 0.01 | <0.1 | 0.05 | 1.1 | <0.1 | 0.51 | <1 | 1.1 | <0.2 |
| 1167244 | Soil | 26 | 0.82 | 580 | 0.111 | <1 | 1.82 | 0.019 | 0.27 | 0.2 | 0.03 | 6.8 | 0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 1167202 | Soil | 34 | 1.32 | 197 | 0.121 | <1 | 2.07 | 0.040 | 0.30 | <0.1 | <0.01 | 5.7 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 1167209 | Soil | 38 | 0.75 | 420 | 0.113 | <1 | 1.82 | 0.024 | 0.09 | 0.1 | 0.02 | 5.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1167210 | Soil | 25 | 1.28 | 314 | 0.177 | <1 | 1.94 | 0.047 | 0.72 | <0.1 | <0.01 | 4.0 | 0.2 | <0.05 | 5 | <0.5 | <0.2 |
| 1167211 | Soil | 32 | 0.54 | 295 | 0.102 | <1 | 1.93 | 0.013 | 0.07 | 0.1 | 0.02 | 3.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 1167206 | Soil | 35 | 0.81 | 237 | 0.140 | <1 | 1.81 | 0.022 | 0.22 | <0.1 | 0.01 | 4.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1167207 | Soil | 24 | 1.05 | 360 | 0.183 | <1 | 1.78 | 0.029 | 0.55 | <0.1 | <0.01 | 3.7 | 0.2 | <0.05 | 6 | <0.5 | <0.2 |
| 1167204 | Soil | 29 | 0.98 | 371 | 0.152 | <1 | 1.83 | 0.026 | 0.27 | <0.1 | 0.03 | 4.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1167201 | Soil | 22 | 0.79 | 120 | 0.133 | <1 | 1.89 | 0.021 | 0.08 | <0.1 | <0.01 | 3.3 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| 1167208 | Soil | 26 | 1.13 | 393 | 0.210 | <1 | 1.99 | 0.028 | 0.63 | <0.1 | <0.01 | 4.0 | 0.2 | <0.05 | 6 | <0.5 | <0.2 |
| 1167205 | Soil | 29 | 1.15 | 372 | 0.176 | <1 | 2.01 | 0.031 | 0.53 | <0.1 | 0.01 | 4.8 | 0.2 | <0.05 | 7 | <0.5 | <0.2 |

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Project: PAN
Report Date: September 30, 2011



# CERTIFICATE OF ANALYSIS DAW11000259.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| | Unit | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm |
| | MDL | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 |
| 1167203 | Soil | 0.5 | 30.3 | 12.4 | 53 | <0.1 | 19.1 | 13.1 | 333 | 3.07 | 6.8 | 2.3 | 2.8 | 25 | <0.1 | 0.3 | 0.1 | 74 | 0.31 | 0.034 | 12 |
| 1167224 | Soil | 0.9 | 31.3 | 12.6 | 60 | <0.1 | 23.9 | 14.6 | 344 | 3.28 | 5.8 | 1.6 | 3.2 | 23 | <0.1 | 0.3 | 0.1 | 77 | 0.36 | 0.042 | 11 |
| 1167223 | Soil | 0.9 | 59.6 | 16.9 | 87 | <0.1 | 36.1 | 20.2 | 437 | 3.86 | 4.1 | 1.0 | 3.5 | 26 | <0.1 | 0.2 | 0.1 | 98 | 0.30 | 0.050 | 13 |
| 1167225 | Soil | 1.0 | 44.5 | 11.1 | 100 | <0.1 | 40.7 | 19.5 | 710 | 4.54 | 4.3 | 1.0 | 6.9 | 23 | 0.1 | 0.2 | 0.1 | 106 | 0.40 | 0.060 | 10 |
| 1167226 | Soil | 0.9 | 72.8 | 8.8 | 67 | <0.1 | 23.5 | 12.1 | 314 | 4.20 | 4.0 | 1.0 | 3.9 | 27 | <0.1 | 0.2 | 0.2 | 102 | 0.26 | 0.043 | 14 |
| 1167229 | Soil | 1.0 | 34.4 | 9.3 | 87 | <0.1 | 35.2 | 17.6 | 568 | 4.01 | 3.8 | <0.5 | 3.6 | 18 | <0.1 | 0.2 | 0.1 | 106 | 0.28 | 0.054 | 10 |
| 1167227 | Soil | 0.7 | 55.7 | 12.8 | 103 | <0.1 | 33.3 | 18.8 | 655 | 4.27 | 2.8 | <0.5 | 6.6 | 25 | <0.1 | 0.2 | <0.1 | 104 | 0.42 | 0.062 | 28 |
| 1167228 | Soil | 1.2 | 56.3 | 10.4 | 109 | <0.1 | 32.1 | 18.2 | 605 | 5.12 | 2.5 | <0.5 | 5.4 | 17 | <0.1 | 0.1 | <0.1 | 119 | 0.21 | 0.053 | 11 |
| 1167231 | Soil | 1.0 | 29.8 | 8.3 | 54 | <0.1 | 21.2 | 10.7 | 312 | 3.28 | 6.4 | 5.4 | 4.5 | 23 | <0.1 | 0.3 | 0.1 | 72 | 0.28 | 0.038 | 21 |
| 1167230 | Soil | 1.1 | 29.4 | 9.4 | 91 | <0.1 | 19.5 | 12.1 | 481 | 3.49 | 5.8 | 0.8 | 4.5 | 19 | 0.1 | 0.3 | 0.2 | 80 | 0.24 | 0.054 | 14 |
| 1167232 | Soil | 1.0 | 23.3 | 11.7 | 45 | 0.1 | 17.3 | 9.3 | 249 | 2.81 | 9.1 | <0.5 | 4.6 | 18 | <0.1 | 0.3 | 0.2 | 60 | 0.22 | 0.040 | 22 |
| 1167216 | Soil | 0.9 | 41.1 | 38.8 | 50 | 0.3 | 17.7 | 10.0 | 419 | 2.90 | 5.3 | 2.8 | 5.1 | 40 | 0.2 | 0.3 | 0.2 | 66 | 0.59 | 0.063 | 45 |
| 1167217 | Soil | 0.5 | 29.4 | 11.4 | 44 | <0.1 | 13.4 | 13.0 | 406 | 4.10 | 3.2 | <0.5 | 5.6 | 24 | <0.1 | 0.1 | <0.1 | 77 | 0.48 | 0.077 | 16 |
| 1167219 | Soil | 0.6 | 43.2 | 8.0 | 52 | 0.1 | 24.3 | 11.4 | 476 | 3.00 | 6.8 | 1.9 | 3.9 | 33 | <0.1 | 0.4 | 0.1 | 68 | 0.68 | 0.045 | 15 |
| 1167218 | Soil | 0.7 | 44.1 | 6.6 | 81 | <0.1 | 20.1 | 14.6 | 617 | 3.98 | 4.1 | 1.0 | 3.4 | 29 | <0.1 | 0.2 | <0.1 | 93 | 0.55 | 0.064 | 8 |
| 1167212 | Soil | 1.4 | 24.1 | 21.5 | 47 | <0.1 | 15.3 | 8.5 | 299 | 2.92 | 6.2 | 2.4 | 2.6 | 64 | <0.1 | 0.3 | 0.1 | 72 | 0.28 | 0.030 | 9 |
| 1167215 | Soil | 0.9 | 35.5 | 19.3 | 72 | <0.1 | 26.3 | 17.0 | 418 | 3.70 | 4.5 | 1.1 | 2.7 | 36 | <0.1 | 0.1 | <0.1 | 76 | 0.54 | 0.082 | 13 |
| 1167221 | Soil | 0.7 | 36.2 | 6.2 | 44 | <0.1 | 27.9 | 13.9 | 295 | 2.37 | 4.6 | 0.5 | 1.2 | 13 | <0.1 | 0.2 | <0.1 | 60 | 0.24 | 0.038 | 3 |
| 1167214 | Soil | 2.9 | 94.4 | 12.1 | 113 | 0.1 | 12.3 | 9.6 | 479 | 4.29 | 2.9 | 6.5 | 3.6 | 129 | <0.1 | 0.1 | 0.3 | 77 | 0.35 | 0.064 | 15 |
| 1167213 | Soil | 1.0 | 28.2 | 27.0 | 51 | <0.1 | 14.5 | 9.2 | 274 | 2.91 | 4.7 | 2.2 | 2.9 | 54 | <0.1 | 0.2 | 0.1 | 65 | 0.34 | 0.052 | 11 |
| 1166301 | Soil | 1.1 | 30.7 | 10.8 | 90 | 0.1 | 19.6 | 18.5 | 1143 | 3.23 | 6.4 | 0.6 | 1.2 | 34 | 0.2 | 0.4 | 0.1 | 89 | 0.45 | 0.037 | 5 |
| 1166305 | Soil | 0.9 | 18.6 | 9.3 | 43 | <0.1 | 12.6 | 7.2 | 383 | 2.39 | 4.2 | <0.5 | 1.3 | 21 | 0.1 | 0.3 | 0.1 | 71 | 0.36 | 0.016 | 7 |
| 1167220 | Soil | 0.8 | 32.0 | 8.2 | 54 | <0.1 | 29.5 | 12.4 | 296 | 3.01 | 7.9 | 1.2 | 4.6 | 22 | <0.1 | 0.4 | 0.1 | 75 | 0.27 | 0.030 | 11 |
| 1167222 | Soil | 0.7 | 42.6 | 7.8 | 65 | <0.1 | 28.5 | 14.1 | 335 | 3.08 | 5.5 | 1.2 | 3.7 | 28 | <0.1 | 0.3 | <0.1 | 80 | 0.34 | 0.035 | 13 |
| 1166304 | Soil | 0.9 | 31.9 | 20.6 | 104 | <0.1 | 16.9 | 9.1 | 305 | 3.08 | 13.0 | 0.7 | 2.2 | 24 | 0.3 | 0.5 | 0.1 | 69 | 0.42 | 0.023 | 12 |
| 1166306 | Soil | 1.0 | 21.5 | 10.1 | 43 | <0.1 | 15.2 | 10.0 | 283 | 2.81 | 4.3 | <0.5 | 1.5 | 21 | <0.1 | 0.4 | 0.1 | 79 | 0.36 | 0.016 | 6 |
| 1166302 | Soil | 1.5 | 15.5 | 15.1 | 65 | 0.1 | 12.4 | 6.3 | 284 | 3.07 | 6.8 | 0.7 | 1.5 | 15 | 0.1 | 0.4 | 0.2 | 68 | 0.18 | 0.029 | 7 |
| 1166303 | Soil | 1.1 | 28.7 | 10.1 | 64 | <0.1 | 21.8 | 9.6 | 308 | 3.12 | 7.5 | 1.4 | 2.7 | 25 | <0.1 | 0.4 | 0.1 | 72 | 0.33 | 0.017 | 10 |
| 1166310 | Soil | 0.9 | 30.2 | 11.2 | 55 | <0.1 | 20.3 | 9.7 | 422 | 2.72 | 12.2 | 1.7 | 3.5 | 35 | <0.1 | 0.4 | 0.1 | 58 | 0.42 | 0.031 | 18 |
| 1166309 | Soil | 1.1 | 32.5 | 11.4 | 61 | <0.1 | 20.5 | 10.0 | 399 | 2.88 | 15.4 | 2.3 | 4.0 | 32 | <0.1 | 0.5 | 0.1 | 56 | 0.40 | 0.028 | 18 |

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Report Date: September 30, 2011



# CERTIFICATE OF ANALYSIS DAW11000259.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| | Unit | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | MDL | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 | 0.2 |
| 1167203 | Soil | 39 | 0.79 | 256 | 0.101 | 3 | 1.86 | 0.018 | 0.06 | <0.1 | 0.01 | 4.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1167224 | Soil | 52 | 0.96 | 267 | 0.142 | 2 | 1.95 | 0.017 | 0.18 | <0.1 | 0.01 | 4.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1167223 | Soil | 90 | 1.56 | 322 | 0.215 | 2 | 2.64 | 0.017 | 0.70 | <0.1 | 0.01 | 4.5 | 0.3 | <0.05 | 9 | <0.5 | <0.2 |
| 1167225 | Soil | 107 | 1.63 | 343 | 0.180 | 2 | 2.86 | 0.014 | 0.75 | <0.1 | <0.01 | 6.5 | 0.2 | <0.05 | 10 | <0.5 | <0.2 |
| 1167226 | Soil | 82 | 1.26 | 350 | 0.157 | 2 | 3.16 | 0.021 | 0.65 | <0.1 | <0.01 | 6.5 | 0.2 | 0.06 | 9 | <0.5 | <0.2 |
| 1167229 | Soil | 99 | 1.74 | 350 | 0.240 | 2 | 2.72 | 0.013 | 0.79 | <0.1 | 0.02 | 5.6 | 0.2 | <0.05 | 10 | <0.5 | <0.2 |
| 1167227 | Soil | 72 | 1.76 | 440 | 0.226 | 1 | 2.60 | 0.018 | 0.84 | <0.1 | 0.02 | 6.2 | 0.3 | <0.05 | 9 | <0.5 | <0.2 |
| 1167228 | Soil | 94 | 2.05 | 309 | 0.311 | 1 | 3.19 | 0.013 | 1.18 | <0.1 | <0.01 | 5.1 | 0.4 | <0.05 | 12 | <0.5 | <0.2 |
| 1167231 | Soil | 37 | 0.73 | 284 | 0.129 | 2 | 1.83 | 0.013 | 0.19 | <0.1 | 0.01 | 3.7 | 0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 1167230 | Soil | 45 | 0.97 | 257 | 0.162 | 1 | 2.01 | 0.014 | 0.40 | <0.1 | <0.01 | 3.8 | 0.2 | <0.05 | 8 | <0.5 | <0.2 |
| 1167232 | Soil | 32 | 0.64 | 263 | 0.117 | 2 | 1.69 | 0.011 | 0.20 | 0.1 | 0.03 | 3.9 | 0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 1167216 | Soil | 32 | 0.72 | 536 | 0.097 | 2 | 1.64 | 0.018 | 0.21 | <0.1 | 0.06 | 6.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1167217 | Soil | 35 | 1.10 | 327 | 0.166 | <1 | 1.90 | 0.038 | 0.57 | <0.1 | <0.01 | 6.1 | 0.2 | <0.05 | 8 | <0.5 | <0.2 |
| 1167219 | Soil | 38 | 0.73 | 400 | 0.106 | 2 | 1.66 | 0.024 | 0.12 | 0.1 | 0.04 | 5.3 | <0.1 | <0.05 | 5 | 0.7 | <0.2 |
| 1167218 | Soil | 57 | 1.69 | 384 | 0.197 | 2 | 2.40 | 0.019 | 0.76 | 0.1 | 0.02 | 5.3 | 0.2 | <0.05 | 9 | <0.5 | <0.2 |
| 1167212 | Soil | 33 | 0.62 | 242 | 0.119 | 1 | 1.81 | 0.016 | 0.08 | 0.1 | 0.02 | 3.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1167215 | Soil | 52 | 1.47 | 353 | 0.164 | 1 | 2.25 | 0.018 | 0.58 | <0.1 | 0.01 | 3.6 | 0.2 | <0.05 | 7 | <0.5 | <0.2 |
| 1167221 | Soil | 69 | 0.90 | 184 | 0.129 | 1 | 2.05 | 0.014 | 0.20 | <0.1 | <0.01 | 2.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1167214 | Soil | 30 | 1.28 | 551 | 0.159 | <1 | 2.27 | 0.019 | 0.83 | <0.1 | 0.02 | 6.7 | 0.2 | 0.15 | 8 | <0.5 | <0.2 |
| 1167213 | Soil | 30 | 0.71 | 330 | 0.117 | <1 | 1.65 | 0.016 | 0.11 | 0.1 | <0.01 | 3.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1166301 | Soil | 31 | 0.71 | 310 | 0.107 | 1 | 2.42 | 0.027 | 0.04 | <0.1 | 0.02 | 3.4 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 1166305 | Soil | 21 | 0.39 | 212 | 0.074 | 1 | 1.37 | 0.022 | 0.04 | <0.1 | 0.01 | 3.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1167220 | Soil | 57 | 0.84 | 203 | 0.134 | 1 | 1.95 | 0.014 | 0.18 | <0.1 | 0.02 | 3.5 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1167222 | Soil | 61 | 1.05 | 308 | 0.153 | 1 | 2.17 | 0.019 | 0.22 | <0.1 | 0.01 | 4.6 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1166304 | Soil | 26 | 0.51 | 210 | 0.072 | 2 | 1.66 | 0.022 | 0.04 | <0.1 | 0.03 | 5.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1166306 | Soil | 27 | 0.53 | 182 | 0.070 | 1 | 1.66 | 0.020 | 0.04 | <0.1 | <0.01 | 4.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1166302 | Soil | 24 | 0.32 | 154 | 0.069 | 1 | 1.54 | 0.011 | 0.07 | 0.1 | 0.01 | 3.2 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 1166303 | Soil | 36 | 0.61 | 249 | 0.095 | 1 | 1.86 | 0.021 | 0.05 | 0.1 | 0.01 | 5.1 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1166310 | Soil | 30 | 0.55 | 323 | 0.092 | 2 | 1.63 | 0.021 | 0.09 | 0.1 | 0.02 | 4.6 | <0.1 | <0.05 | 5 | 0.6 | <0.2 |
| 1166309 | Soil | 30 | 0.52 | 301 | 0.098 | <1 | 1.48 | 0.019 | 0.12 | 0.1 | 0.02 | 4.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |

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# CERTIFICATE OF ANALYSIS DAW11000259.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| | Unit | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm |
| | MDL | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 |
| 1166307 | Soil | 0.7 | 51.0 | 15.0 | 55 | <0.1 | 27.8 | 15.8 | 510 | 3.30 | 6.1 | 2.9 | 2.4 | 41 | 0.2 | 0.5 | 0.1 | 89 | 0.73 | 0.042 | 9 |
| 1166308 | Soil | 0.6 | 39.0 | 10.6 | 56 | <0.1 | 25.1 | 11.4 | 407 | 2.94 | 7.6 | 2.6 | 3.2 | 41 | 0.1 | 0.5 | 0.1 | 70 | 0.66 | 0.035 | 13 |
| 1166315 | Soil | 2.3 | 19.6 | 11.7 | 51 | <0.1 | 18.1 | 8.7 | 434 | 2.98 | 7.6 | 3.6 | 4.9 | 29 | <0.1 | 0.4 | 0.1 | 55 | 0.37 | 0.020 | 14 |
| 1166317 | Soil | 1.0 | 21.0 | 9.1 | 47 | <0.1 | 16.2 | 9.4 | 821 | 2.68 | 4.8 | <0.5 | 2.7 | 244 | <0.1 | 0.3 | 0.1 | 54 | 0.79 | 0.025 | 13 |
| 1166320 | Soil | 0.8 | 26.4 | 9.9 | 69 | <0.1 | 15.7 | 11.4 | 470 | 2.63 | 9.5 | 5.3 | 2.7 | 88 | 0.2 | 0.3 | <0.1 | 56 | 0.64 | 0.069 | 14 |
| 1166313 | Soil | 0.6 | 42.1 | 11.1 | 54 | 0.1 | 30.2 | 11.1 | 436 | 2.83 | 9.2 | 2.7 | 3.7 | 55 | <0.1 | 0.5 | 0.1 | 66 | 1.35 | 0.032 | 16 |
| 1166314 | Soil | 1.1 | 14.1 | 8.7 | 46 | <0.1 | 20.8 | 9.4 | 570 | 2.41 | 6.8 | <0.5 | 2.4 | 24 | 0.1 | 0.4 | 0.2 | 64 | 0.30 | 0.020 | 8 |
| 1166312 | Soil | 1.0 | 18.6 | 11.2 | 59 | <0.1 | 24.7 | 9.6 | 274 | 2.94 | 9.3 | 1.6 | 3.6 | 22 | <0.1 | 0.5 | 0.1 | 68 | 0.20 | 0.015 | 11 |
| 1166316 | Soil | 1.2 | 15.1 | 9.9 | 49 | <0.1 | 21.6 | 11.1 | 472 | 2.77 | 7.2 | 4.9 | 3.3 | 41 | <0.1 | 0.4 | 0.1 | 64 | 0.41 | 0.032 | 13 |
| 1166318 | Soil | 1.6 | 46.0 | 16.1 | 92 | <0.1 | 9.5 | 7.7 | 376 | 3.20 | 12.2 | <0.5 | 5.8 | 304 | 0.1 | 0.2 | 0.2 | 39 | 0.58 | 0.030 | 27 |
| 1166319 | Soil | 0.7 | 42.0 | 6.7 | 61 | 0.1 | 17.7 | 9.0 | 301 | 2.18 | 5.8 | 9.3 | 2.0 | 403 | 0.2 | 0.3 | 0.1 | 54 | 1.04 | 0.063 | 12 |
| 1166311 | Soil | 1.1 | 27.1 | 10.2 | 54 | <0.1 | 28.7 | 10.8 | 450 | 2.88 | 9.6 | 0.9 | 3.6 | 28 | <0.1 | 0.4 | 0.2 | 62 | 0.38 | 0.028 | 15 |

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| | | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Analyte | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| | | Unit | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | | MDL | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 | 0.2 |
| 1166307 | Soil | | 45 | 0.76 | 205 | 0.097 | 3 | 1.82 | 0.038 | 0.05 | 0.1 | 0.03 | 7.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1166308 | Soil | | 34 | 0.69 | 283 | 0.088 | 1 | 1.93 | 0.036 | 0.05 | 0.1 | 0.03 | 5.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1166315 | Soil | | 29 | 0.39 | 294 | 0.063 | 1 | 1.52 | 0.010 | 0.15 | <0.1 | 0.01 | 6.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1166317 | Soil | | 25 | 0.44 | 404 | 0.062 | 2 | 1.65 | 0.018 | 0.07 | <0.1 | 0.02 | 4.3 | <0.1 | <0.05 | 6 | 0.6 | <0.2 |
| 1166320 | Soil | | 23 | 0.58 | 257 | 0.076 | <1 | 1.23 | 0.022 | 0.09 | 0.1 | 0.04 | 4.0 | <0.1 | <0.05 | 4 | 0.9 | <0.2 |
| 1166313 | Soil | | 35 | 0.70 | 245 | 0.101 | 3 | 1.62 | 0.027 | 0.08 | 0.2 | 0.04 | 4.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1166314 | Soil | | 30 | 0.40 | 261 | 0.059 | <1 | 1.56 | 0.011 | 0.07 | 0.1 | 0.02 | 2.6 | <0.1 | <0.05 | 5 | 0.6 | <0.2 |
| 1166312 | Soil | | 38 | 0.53 | 252 | 0.094 | 2 | 1.82 | 0.010 | 0.09 | <0.1 | 0.02 | 4.1 | <0.1 | <0.05 | 6 | 0.9 | <0.2 |
| 1166316 | Soil | | 38 | 0.44 | 322 | 0.075 | 2 | 1.77 | 0.011 | 0.10 | 0.1 | 0.02 | 5.2 | <0.1 | <0.05 | 5 | 0.8 | <0.2 |
| 1166318 | Soil | | 14 | 0.91 | 265 | 0.132 | 4 | 1.51 | 0.016 | 0.51 | <0.1 | 0.02 | 7.9 | 0.2 | <0.05 | 8 | 2.0 | <0.2 |
| 1166319 | Soil | | 24 | 0.61 | 275 | 0.076 | 4 | 1.27 | 0.025 | 0.06 | 0.2 | 0.05 | 4.3 | <0.1 | 0.08 | 5 | 1.2 | <0.2 |
| 1166311 | Soil | | 34 | 0.54 | 280 | 0.103 | 2 | 1.64 | 0.016 | 0.13 | 0.1 | 0.03 | 5.0 | <0.1 | <0.05 | 6 | 1.1 | <0.2 |

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

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Project: PAN
Report Date: September 30, 2011



# QUALITY CONTROL REPORT DAW11000259.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | La |
| | Unit | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm |
| | MDL | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | | | | |
| 1203062 | Soil | 1.0 | 39.7 | 12.6 | 47 | <0.1 | 16.6 | 17.4 | 348 | 2.89 | 4.2 | <0.5 | 2.1 | 39 | <0.1 | 0.2 | <0.1 | 66 | 0.30 | 0.058 | 5 |
| REP 1203062 | QC | 1.0 | 36.5 | 11.7 | 42 | <0.1 | 15.8 | 16.0 | 330 | 2.66 | 3.9 | <0.5 | 2.0 | 36 | <0.1 | 0.2 | <0.1 | 61 | 0.27 | 0.053 | 5 |
| 1203066 | Soil | 0.7 | 44.7 | 7.6 | 51 | <0.1 | 20.4 | 12.7 | 328 | 2.56 | 6.4 | 1.6 | 2.5 | 156 | <0.1 | 0.3 | <0.1 | 60 | 0.64 | 0.041 | 11 |
| REP 1203066 | QC | 0.8 | 43.7 | 7.3 | 48 | <0.1 | 18.7 | 12.0 | 326 | 2.52 | 6.2 | 1.3 | 2.4 | 158 | <0.1 | 0.3 | <0.1 | 58 | 0.61 | 0.041 | 10 |
| 1166333 | Soil | 2.2 | 74.1 | 108.0 | 184 | <0.1 | 28.2 | 8.7 | 215 | 2.85 | 13.0 | 9.1 | 4.1 | 19 | 0.3 | 0.6 | 0.2 | 60 | 0.24 | 0.017 | 12 |
| REP 1166333 | QC | 2.1 | 76.1 | 108.9 | 195 | <0.1 | 27.4 | 8.9 | 223 | 2.89 | 13.0 | 18.3 | 4.0 | 20 | 0.3 | 0.6 | 0.2 | 59 | 0.25 | 0.018 | 12 |
| 1203048 | Soil | 0.8 | 32.6 | 8.3 | 57 | 0.1 | 23.8 | 10.6 | 434 | 2.74 | 8.9 | 2.4 | 3.0 | 64 | 0.1 | 0.5 | 0.1 | 60 | 0.68 | 0.054 | 13 |
| REP 1203048 | QC | 0.8 | 32.8 | 8.4 | 56 | 0.1 | 22.4 | 10.6 | 437 | 2.72 | 8.9 | 2.6 | 2.9 | 64 | 0.1 | 0.5 | 0.1 | 60 | 0.65 | 0.055 | 13 |
| 1203026 | Soil | 0.5 | 33.9 | 7.7 | 69 | <0.1 | 20.1 | 11.0 | 360 | 2.96 | 5.6 | 2.2 | 4.4 | 40 | 0.2 | 0.4 | 0.2 | 67 | 0.51 | 0.075 | 15 |
| REP 1203026 | QC | 0.5 | 34.1 | 7.6 | 68 | <0.1 | 19.8 | 11.2 | 362 | 2.92 | 5.5 | 3.6 | 4.3 | 41 | 0.3 | 0.4 | 0.2 | 68 | 0.52 | 0.081 | 16 |
| 1203038 | Soil | 0.4 | 37.7 | 4.5 | 60 | <0.1 | 9.6 | 17.3 | 498 | 3.49 | 1.9 | 1.3 | 2.3 | 41 | <0.1 | 0.1 | <0.1 | 75 | 0.64 | 0.089 | 8 |
| REP 1203038 | QC | 0.4 | 34.9 | 4.3 | 58 | <0.1 | 9.4 | 17.1 | 491 | 3.41 | 1.9 | 0.6 | 2.4 | 40 | <0.1 | 0.1 | <0.1 | 76 | 0.62 | 0.089 | 8 |
| 1089492 | Soil | 1.2 | 29.6 | 13.6 | 61 | <0.1 | 22.0 | 10.3 | 285 | 2.91 | 9.1 | 2.2 | 6.6 | 22 | 0.1 | 0.6 | 0.1 | 66 | 0.29 | 0.018 | 17 |
| REP 1089492 | QC | 1.0 | 29.6 | 12.9 | 60 | <0.1 | 22.0 | 10.3 | 271 | 2.80 | 8.5 | 2.2 | 6.4 | 22 | <0.1 | 0.5 | 0.1 | 62 | 0.29 | 0.017 | 17 |
| 1167421 | Soil | 1.0 | 74.4 | 11.2 | 95 | 0.1 | 28.1 | 17.1 | 576 | 3.57 | 6.0 | 1.0 | 2.7 | 374 | 0.2 | 0.4 | 0.1 | 87 | 1.00 | 0.052 | 13 |
| REP 1167421 | QC | 0.8 | 75.5 | 12.0 | 92 | 0.1 | 29.3 | 16.9 | 575 | 3.57 | 6.0 | 2.0 | 2.7 | 374 | 0.2 | 0.4 | 0.1 | 88 | 1.02 | 0.050 | 13 |
| 1167235 | Soil | 0.8 | 22.0 | 12.4 | 79 | <0.1 | 15.8 | 8.2 | 640 | 3.27 | 4.2 | 4.2 | 8.6 | 32 | <0.1 | 0.3 | <0.1 | 44 | 0.45 | 0.033 | 25 |
| REP 1167235 | QC | 0.7 | 22.4 | 13.3 | 80 | <0.1 | 16.8 | 9.4 | 713 | 3.61 | 4.2 | 2.3 | 9.2 | 33 | <0.1 | 0.3 | 0.1 | 44 | 0.46 | 0.036 | 26 |
| 1167207 | Soil | 0.4 | 34.5 | 2.9 | 57 | <0.1 | 9.3 | 13.9 | 408 | 3.29 | 2.1 | 0.6 | 1.1 | 51 | <0.1 | <0.1 | <0.1 | 68 | 0.55 | 0.097 | 4 |
| REP 1167207 | QC | 0.4 | 36.2 | 2.6 | 61 | <0.1 | 10.0 | 14.9 | 446 | 3.39 | 2.2 | <0.5 | 1.0 | 53 | <0.1 | <0.1 | <0.1 | 71 | 0.59 | 0.093 | 4 |
| 1167217 | Soil | 0.5 | 29.4 | 11.4 | 44 | <0.1 | 13.4 | 13.0 | 406 | 4.10 | 3.2 | <0.5 | 5.6 | 24 | <0.1 | 0.1 | <0.1 | 77 | 0.48 | 0.077 | 16 |
| REP 1167217 | QC | 0.6 | 30.8 | 12.6 | 44 | <0.1 | 13.9 | 12.8 | 427 | 4.22 | 3.3 | 0.9 | 5.7 | 24 | <0.1 | 0.1 | 0.1 | 78 | 0.49 | 0.083 | 17 |
| 1166313 | Soil | 0.6 | 42.1 | 11.1 | 54 | 0.1 | 30.2 | 11.1 | 436 | 2.83 | 9.2 | 2.7 | 3.7 | 55 | <0.1 | 0.5 | 0.1 | 66 | 1.35 | 0.032 | 16 |
| REP 1166313 | QC | 0.7 | 43.5 | 11.5 | 57 | 0.2 | 30.7 | 11.3 | 434 | 2.88 | 9.8 | 3.7 | 3.7 | 56 | <0.1 | 0.5 | 0.2 | 66 | 1.37 | 0.032 | 16 |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | |
| STD DS8 | Standard | 11.6 | 107.6 | 123.1 | 299 | 1.8 | 37.5 | 7.3 | 576 | 2.34 | 23.9 | 107.7 | 5.6 | 55 | 2.2 | 5.4 | 6.0 | 40 | 0.59 | 0.078 | 11 |
| STD DS8 | Standard | 13.0 | 104.8 | 113.5 | 296 | 1.7 | 35.6 | 7.2 | 583 | 2.37 | 23.8 | 110.5 | 6.2 | 64 | 2.4 | 5.3 | 6.3 | 41 | 0.68 | 0.075 | 14 |
| STD DS8 | Standard | 13.3 | 116.7 | 123.3 | 308 | 1.8 | 41.1 | 8.1 | 598 | 2.48 | 25.9 | 117.3 | 6.7 | 63 | 2.4 | 5.5 | 6.7 | 45 | 0.66 | 0.081 | 15 |

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Project: PAN
Report Date: September 30, 2011



# QUALITY CONTROL REPORT DAW11000259.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| | Unit | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | MDL | 1 | 0.01 | 1 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | 0.1 | 0.05 | 1 | 0.5 | 0.2 |
| Pulp Duplicates | | | | | | | | | | | | | | | | | |
| 1203062 | Soil | 31 | 0.80 | 162 | 0.117 | 1 | 1.40 | 0.015 | 0.09 | <0.1 | <0.01 | 2.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| REP 1203062 | QC | 30 | 0.74 | 147 | 0.112 | <1 | 1.29 | 0.013 | 0.08 | <0.1 | 0.01 | 2.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1203066 | Soil | 27 | 0.63 | 331 | 0.086 | <1 | 1.31 | 0.018 | 0.12 | <0.1 | 0.03 | 3.6 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| REP 1203066 | QC | 26 | 0.62 | 317 | 0.085 | <1 | 1.30 | 0.019 | 0.12 | 0.1 | 0.03 | 3.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1166333 | Soil | 44 | 0.44 | 183 | 0.053 | 1 | 1.80 | 0.011 | 0.06 | 0.1 | 0.03 | 6.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| REP 1166333 | QC | 43 | 0.46 | 182 | 0.057 | <1 | 1.85 | 0.011 | 0.07 | 0.1 | 0.02 | 6.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1203048 | Soil | 31 | 0.61 | 312 | 0.086 | <1 | 1.52 | 0.029 | 0.07 | 0.2 | 0.03 | 4.4 | <0.1 | 0.06 | 5 | <0.5 | <0.2 |
| REP 1203048 | QC | 31 | 0.61 | 315 | 0.081 | 1 | 1.55 | 0.027 | 0.06 | 0.2 | 0.04 | 4.3 | <0.1 | 0.06 | 5 | 0.5 | <0.2 |
| 1203026 | Soil | 30 | 0.83 | 337 | 0.119 | 1 | 1.52 | 0.028 | 0.27 | 0.1 | 0.03 | 5.1 | 0.1 | <0.05 | 6 | 0.9 | <0.2 |
| REP 1203026 | QC | 30 | 0.83 | 338 | 0.122 | 2 | 1.61 | 0.029 | 0.26 | 0.1 | 0.03 | 5.0 | 0.1 | <0.05 | 6 | 0.9 | <0.2 |
| 1203038 | Soil | 26 | 1.09 | 297 | 0.156 | 1 | 1.83 | 0.034 | 0.57 | <0.1 | <0.01 | 4.5 | 0.1 | <0.05 | 7 | 0.5 | <0.2 |
| REP 1203038 | QC | 25 | 1.10 | 298 | 0.162 | <1 | 1.83 | 0.034 | 0.55 | <0.1 | <0.01 | 4.4 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1089492 | Soil | 38 | 0.56 | 143 | 0.086 | <1 | 1.61 | 0.020 | 0.08 | 0.1 | 0.02 | 6.9 | <0.1 | 0.05 | 5 | 0.5 | <0.2 |
| REP 1089492 | QC | 37 | 0.54 | 145 | 0.077 | 1 | 1.53 | 0.020 | 0.08 | <0.1 | 0.02 | 6.6 | <0.1 | <0.05 | 5 | 0.5 | <0.2 |
| 1167421 | Soil | 46 | 0.97 | 511 | 0.076 | <1 | 1.99 | 0.024 | 0.08 | 0.1 | 0.04 | 7.6 | <0.1 | 0.08 | 6 | 0.7 | <0.2 |
| REP 1167421 | QC | 47 | 0.96 | 501 | 0.074 | 2 | 1.94 | 0.022 | 0.08 | 0.1 | 0.04 | 7.6 | <0.1 | <0.05 | 6 | 1.1 | <0.2 |
| 1167235 | Soil | 21 | 0.48 | 551 | 0.078 | <1 | 1.27 | 0.015 | 0.28 | <0.1 | 0.02 | 8.4 | <0.1 | <0.05 | 6 | 0.5 | <0.2 |
| REP 1167235 | QC | 22 | 0.52 | 594 | 0.081 | <1 | 1.36 | 0.016 | 0.29 | 0.1 | 0.02 | 8.9 | 0.1 | <0.05 | 6 | 0.7 | <0.2 |
| 1167207 | Soil | 24 | 1.05 | 360 | 0.183 | <1 | 1.78 | 0.029 | 0.55 | <0.1 | <0.01 | 3.7 | 0.2 | <0.05 | 6 | <0.5 | <0.2 |
| REP 1167207 | QC | 24 | 1.14 | 370 | 0.204 | <1 | 1.96 | 0.028 | 0.62 | <0.1 | <0.01 | 4.1 | 0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 1167217 | Soil | 35 | 1.10 | 327 | 0.166 | <1 | 1.90 | 0.038 | 0.57 | <0.1 | <0.01 | 6.1 | 0.2 | <0.05 | 8 | <0.5 | <0.2 |
| REP 1167217 | QC | 36 | 1.16 | 332 | 0.166 | <1 | 2.03 | 0.041 | 0.54 | <0.1 | <0.01 | 6.4 | 0.2 | <0.05 | 8 | <0.5 | <0.2 |
| 1166313 | Soil | 35 | 0.70 | 245 | 0.101 | 3 | 1.62 | 0.027 | 0.08 | 0.2 | 0.04 | 4.8 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| REP 1166313 | QC | 35 | 0.68 | 252 | 0.101 | 2 | 1.63 | 0.031 | 0.08 | 0.2 | 0.05 | 4.9 | <0.1 | <0.05 | 5 | 0.6 | <0.2 |
| Reference Materials | | | | | | | | | | | | | | | | | |
| STD DS8 | Standard | 110 | 0.57 | 250 | 0.097 | 3 | 0.82 | 0.077 | 0.40 | 2.8 | 0.21 | 1.6 | 5.4 | 0.19 | 4 | 5.1 | 4.6 |
| STD DS8 | Standard | 110 | 0.59 | 273 | 0.106 | 4 | 0.88 | 0.108 | 0.41 | 2.9 | 0.19 | 2.7 | 5.6 | 0.16 | 5 | 5.6 | 4.5 |
| STD DS8 | Standard | 121 | 0.61 | 280 | 0.113 | 3 | 0.97 | 0.093 | 0.42 | 3.3 | 0.23 | 2.2 | 5.4 | 0.15 | 5 | 5.9 | 5.0 |

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Project: PAN
Report Date: September 30, 2011



# QUALITY CONTROL REPORT DAW11000259.1

| | | 1DX15 Mo ppm 0.1 | 1DX15 Cu ppm 0.1 | 1DX15 Pb ppm 0.1 | 1DX15 Zn ppm 1 | 1DX15 Ag ppm 0.1 | 1DX15 Ni ppm 0.1 | 1DX15 Co ppm 0.1 | 1DX15 Mn ppm 1 | 1DX15 Fe % 0.01 | 1DX15 As ppm 0.5 | 1DX15 Au ppb 0.5 | 1DX15 Th ppm 0.1 | 1DX15 Sr ppm 1 | 1DX15 Cd ppm 0.1 | 1DX15 Sb ppm 0.1 | 1DX15 Bi ppm 0.1 | 1DX15 V ppm 2 | 1DX15 Ca % 0.01 | 1DX15 P % 0.001 | 1DX15 La ppm 1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STD DS8 | Standard | 11.6 | 105.9 | 107.4 | 280 | 1.7 | 34.6 | 6.9 | 547 | 2.20 | 22.3 | 101.5 | 5.6 | 52 | 2.2 | 4.7 | 5.8 | 37 | 0.56 | 0.073 | 11 |
| STD DS8 | Standard | 14.1 | 116.1 | 126.4 | 325 | 1.9 | 38.0 | 7.6 | 624 | 2.50 | 26.5 | 110.9 | 6.8 | 65 | 2.6 | 5.5 | 6.5 | 44 | 0.72 | 0.081 | 16 |
| STD DS8 | Standard | 13.5 | 108.3 | 126.7 | 306 | 1.8 | 39.9 | 7.7 | 604 | 2.44 | 24.4 | 107.1 | 7.2 | 71 | 2.3 | 5.7 | 6.8 | 43 | 0.72 | 0.074 | 17 |
| STD DS8 | Standard | 14.2 | 115.4 | 120.8 | 310 | 1.7 | 37.1 | 7.7 | 614 | 2.45 | 25.9 | 115.4 | 6.7 | 64 | 2.4 | 5.5 | 6.6 | 45 | 0.70 | 0.088 | 17 |
| STD DS8 | Standard | 12.6 | 100.8 | 114.4 | 296 | 1.7 | 34.5 | 6.9 | 577 | 2.31 | 23.0 | 108.9 | 7.1 | 69 | 2.2 | 5.2 | 5.8 | 37 | 0.69 | 0.072 | 17 |
| STD DS8 Expected | | 13.44 | 110 | 123 | 312 | 1.69 | 38.1 | 7.5 | 615 | 2.46 | 26 | 107 | 6.89 | 67.7 | 2.38 | 5.7 | 6.67 | 41.1 | 0.7 | 0.08 | 14.6 |
| BLK | Blank | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 | <0.001 | <1 |
| BLK | Blank | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | 0.01 | <0.5 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 | <0.001 | <1 |
| BLK | Blank | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 | <0.001 | <1 |
| BLK | Blank | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 | <0.001 | <1 |
| BLK | Blank | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 | <0.001 | <1 |
| BLK | Blank | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 | <0.001 | <1 |
| BLK | Blank | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 | <0.001 | <1 |
| BLK | Blank | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 | <0.001 | <1 |

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Project: PAN
Report Date: September 30, 2011



# QUALITY CONTROL REPORT DAW11000259.1

| | | 1DX15 Cr ppm 1 | 1DX15 Mg % 0.01 | 1DX15 Ba ppm 1 | 1DX15 Ti % 0.001 | 1DX15 B ppm 1 | 1DX15 Al % 0.01 | 1DX15 Na % 0.001 | 1DX15 K % 0.01 | 1DX15 W ppm 0.1 | 1DX15 Hg ppm 0.01 | 1DX15 Sc ppm 0.1 | 1DX15 Tl ppm 0.1 | 1DX15 S % 0.05 | 1DX15 Ga ppm 1 | 1DX15 Se ppm 0.5 | 1DX15 Te ppm 0.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STD DS8 | Standard | 104 | 0.53 | 234 | 0.093 | 2 | 0.79 | 0.074 | 0.36 | 2.5 | 0.17 | 1.7 | 4.7 | 0.14 | 4 | 5.2 | 4.4 |
| STD DS8 | Standard | 121 | 0.60 | 287 | 0.115 | 2 | 0.90 | 0.084 | 0.43 | 2.9 | 0.21 | 2.2 | 5.6 | 0.16 | 5 | 5.4 | 5.0 |
| STD DS8 | Standard | 116 | 0.61 | 276 | 0.116 | 2 | 0.92 | 0.092 | 0.42 | 2.9 | 0.20 | 2.3 | 5.4 | 0.15 | 5 | 5.7 | 4.6 |
| STD DS8 | Standard | 119 | 0.65 | 282 | 0.118 | 2 | 0.99 | 0.094 | 0.43 | 3.0 | 0.19 | 2.1 | 5.6 | 0.19 | 5 | 5.0 | 4.9 |
| STD DS8 | Standard | 108 | 0.58 | 271 | 0.112 | 3 | 0.98 | 0.109 | 0.41 | 2.8 | 0.18 | 3.0 | 5.1 | 0.15 | 5 | 4.7 | 5.1 |
| STD DS8 Expected | | 115 | 0.6045 | 279 | 0.113 | 2.6 | 0.93 | 0.0883 | 0.41 | 3 | 0.192 | 2.3 | 5.4 | 0.1679 | 4.7 | 5.23 | 5 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <1 | <0.01 | <1 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | <0.1 | <0.05 | <1 | <0.5 | <0.2 |

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.