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: August 20, 2011
Report Date: November 16, 2011


# CERTIFICATE OF ANALYSIS DAW11000265.1

## CLIENT JOB INFORMATION

Project: PAN
Shipment ID: PAN2011-02
P.O. Number
Number of Samples: 172

## 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 | 172 | Dry at 60C sieve 100g to -80 mesh | | | DAW |
| Dry at 60C | 172 | Dry at 60C | | | DAW |
| RJSV | 172 | Saving all or part of Soil Reject | | | DAW |
| 1DX2 | 172 | 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.

AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.
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Report Date: November 16, 2011



# CERTIFICATE OF ANALYSIS DAW11000265.1

| | 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 |
| 1203453 | Soil | 1.1 | 26.6 | 10.8 | 127 | <0.1 | 24.3 | 8.0 | 360 | 3.60 | 17.4 | <0.5 | 10.3 | 12 | <0.1 | 0.2 | <0.1 | 71 | 0.13 | 0.034 | 9 |
| 1203452 | Soil | 1.5 | 23.8 | 14.3 | 76 | 0.1 | 23.3 | 10.9 | 416 | 3.24 | 7.9 | 2.0 | 3.1 | 22 | <0.1 | 0.6 | 0.2 | 78 | 0.22 | 0.022 | 13 |
| 1203459 | Soil | 1.0 | 107.4 | 13.1 | 175 | <0.1 | 32.4 | 42.3 | 1391 | 7.89 | 11.6 | 1.0 | 3.6 | 88 | 0.2 | 1.0 | <0.1 | 218 | 0.84 | 0.097 | 14 |
| 1203454 | Soil | 2.5 | 60.0 | 12.2 | 157 | <0.1 | 51.6 | 14.6 | 350 | 4.77 | 11.7 | <0.5 | 10.0 | 18 | 0.1 | 0.3 | 0.2 | 97 | 0.16 | 0.055 | 28 |
| 1203456 | Soil | 1.9 | 48.9 | 13.3 | 118 | 0.1 | 34.3 | 12.8 | 477 | 4.15 | 13.5 | 4.2 | 8.8 | 27 | 0.1 | 0.4 | 0.2 | 63 | 0.28 | 0.040 | 22 |
| 1203458 | Soil | 0.7 | 58.3 | 26.9 | 74 | <0.1 | 14.2 | 13.6 | 462 | 4.53 | 4.1 | 0.6 | 3.5 | 53 | <0.1 | 0.3 | <0.1 | 77 | 0.41 | 0.021 | 8 |
| 1203457 | Soil | 1.0 | 19.9 | 4.0 | 57 | <0.1 | 10.9 | 14.7 | 421 | 4.48 | 2.5 | <0.5 | 4.4 | 26 | <0.1 | 0.1 | <0.1 | 57 | 0.21 | 0.014 | 16 |
| 1203455 | Soil | 1.4 | 15.9 | 11.2 | 45 | 0.2 | 16.8 | 8.6 | 471 | 2.63 | 6.5 | <0.5 | 1.9 | 21 | 0.2 | 0.5 | 0.2 | 68 | 0.20 | 0.024 | 10 |
| 1203451 | Soil | 1.2 | 27.5 | 14.8 | 174 | 0.1 | 23.9 | 11.4 | 623 | 3.36 | 8.4 | 1.2 | 3.3 | 25 | 0.3 | 0.5 | 0.2 | 82 | 0.28 | 0.025 | 11 |
| 1203005 | Soil | 0.7 | 24.6 | 8.2 | 87 | <0.1 | 13.1 | 12.2 | 505 | 3.34 | 3.6 | 1.7 | 3.2 | 20 | 0.1 | 0.2 | 0.1 | 77 | 0.29 | 0.055 | 12 |
| 1203011 | Soil | 0.8 | 43.4 | 7.4 | 68 | <0.1 | 25.8 | 13.8 | 465 | 3.46 | 6.8 | 1.9 | 6.6 | 29 | <0.1 | 0.3 | 0.1 | 77 | 0.35 | 0.041 | 21 |
| 1203003 | Soil | 1.6 | 27.9 | 18.5 | 82 | <0.1 | 13.8 | 11.6 | 568 | 3.54 | 3.9 | 0.5 | 3.8 | 19 | <0.1 | 0.2 | 0.2 | 79 | 0.27 | 0.064 | 15 |
| 1203008 | Soil | 0.8 | 17.7 | 8.1 | 61 | <0.1 | 13.8 | 11.5 | 425 | 2.57 | 5.3 | <0.5 | 2.4 | 20 | 0.1 | 0.3 | 0.1 | 59 | 0.28 | 0.059 | 11 |
| 1203001 | Soil | 1.1 | 24.5 | 144.1 | 76 | <0.1 | 17.7 | 13.1 | 345 | 3.78 | 7.4 | 1.9 | 4.2 | 16 | 0.1 | 0.3 | 0.8 | 84 | 0.19 | 0.045 | 13 |
| 1203010 | Soil | 1.8 | 73.8 | 8.4 | 78 | <0.1 | 20.1 | 20.9 | 898 | 5.24 | 4.6 | 0.8 | 7.9 | 31 | 0.1 | 0.2 | 0.3 | 102 | 0.58 | 0.094 | 20 |
| 1203009 | Soil | 1.0 | 22.3 | 11.6 | 75 | <0.1 | 16.8 | 11.8 | 591 | 2.84 | 5.4 | 1.4 | 2.8 | 22 | 0.1 | 0.3 | 0.1 | 71 | 0.30 | 0.059 | 12 |
| 1203006 | Soil | 0.7 | 21.0 | 11.9 | 68 | <0.1 | 18.3 | 11.6 | 447 | 2.85 | 5.8 | 0.8 | 2.9 | 19 | 0.1 | 0.4 | 0.1 | 65 | 0.28 | 0.062 | 12 |
| 1203004 | Soil | 0.8 | 28.2 | 12.9 | 96 | <0.1 | 15.3 | 13.1 | 613 | 4.00 | 3.4 | <0.5 | 4.5 | 19 | 0.2 | 0.2 | 0.1 | 94 | 0.34 | 0.091 | 16 |
| 1203002 | Soil | 0.9 | 34.1 | 32.1 | 88 | <0.1 | 12.9 | 10.6 | 516 | 3.66 | 2.8 | 1.5 | 5.0 | 20 | 0.1 | 0.2 | 0.2 | 64 | 0.28 | 0.059 | 26 |
| 1203007 | Soil | 0.8 | 16.0 | 10.8 | 63 | <0.1 | 12.7 | 9.4 | 347 | 2.60 | 4.4 | 2.0 | 1.9 | 18 | <0.1 | 0.2 | 0.1 | 70 | 0.26 | 0.052 | 9 |
| 1203016 | Soil | 0.7 | 62.2 | 10.4 | 129 | <0.1 | 18.1 | 16.7 | 744 | 4.83 | 3.6 | 0.9 | 9.4 | 34 | <0.1 | 0.2 | <0.1 | 95 | 0.36 | 0.037 | 19 |
| 1203014 | Soil | 1.3 | 74.1 | 7.4 | 98 | <0.1 | 34.9 | 19.6 | 521 | 4.62 | 4.2 | 1.2 | 5.4 | 40 | <0.1 | 0.1 | 0.1 | 83 | 0.31 | 0.066 | 20 |
| 1203015 | Soil | 0.5 | 37.0 | 15.7 | 93 | <0.1 | 15.5 | 14.1 | 733 | 4.42 | 4.1 | 1.8 | 6.2 | 26 | <0.1 | 0.2 | <0.1 | 72 | 0.46 | 0.101 | 29 |
| 1203019 | Soil | 1.1 | 33.3 | 17.2 | 40 | <0.1 | 11.9 | 10.1 | 310 | 3.01 | 3.5 | <0.5 | 9.2 | 23 | <0.1 | 0.2 | 0.1 | 61 | 0.26 | 0.031 | 10 |
| 1203013 | Soil | 1.6 | 69.9 | 9.4 | 64 | <0.1 | 32.9 | 17.1 | 434 | 4.20 | 9.2 | 1.2 | 8.7 | 35 | <0.1 | 0.3 | 0.1 | 81 | 0.31 | 0.044 | 22 |
| 1203020 | Soil | 1.0 | 47.2 | 7.7 | 52 | <0.1 | 17.2 | 11.9 | 358 | 3.29 | 4.9 | <0.5 | 4.7 | 27 | <0.1 | 0.3 | 0.1 | 69 | 0.37 | 0.050 | 13 |
| 1203012 | Soil | 1.5 | 88.1 | 6.7 | 227 | <0.1 | 34.9 | 21.1 | 730 | 5.40 | 1.3 | 1.0 | 6.7 | 74 | <0.1 | <0.1 | 0.3 | 133 | 0.36 | 0.060 | 26 |
| 1203018 | Soil | 0.7 | 61.5 | 2.8 | 65 | <0.1 | 9.1 | 14.7 | 604 | 4.05 | 1.5 | <0.5 | 5.1 | 21 | <0.1 | 0.1 | <0.1 | 69 | 0.65 | 0.212 | 13 |
| 1203017 | Soil | 1.2 | 45.9 | 15.8 | 55 | <0.1 | 34.6 | 13.0 | 371 | 3.39 | 10.7 | 1.7 | 5.9 | 29 | <0.1 | 0.5 | 0.1 | 83 | 0.44 | 0.023 | 28 |
| 1203201 | Soil | 2.2 | 93.8 | 10.8 | 87 | <0.1 | 16.9 | 12.8 | 385 | 4.12 | 10.0 | 1.9 | 10.5 | 32 | <0.1 | 0.3 | 0.1 | 86 | 0.37 | 0.056 | 48 |

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Report Date: November 16, 2011



# CERTIFICATE OF ANALYSIS DAW11000265.1

| | 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 |
| 1203453 | Soil | 34 | 0.64 | 164 | 0.174 | <1 | 1.74 | 0.006 | 0.90 | <0.1 | <0.01 | 6.2 | 0.4 | <0.05 | 10 | <0.5 | <0.2 |
| 1203452 | Soil | 40 | 0.53 | 229 | 0.081 | 1 | 2.16 | 0.016 | 0.07 | 0.1 | 0.03 | 4.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1203459 | Soil | 56 | 2.70 | 505 | 0.244 | 3 | 3.10 | 0.010 | 0.30 | <0.1 | 0.03 | 18.6 | 0.1 | <0.05 | 13 | 0.7 | <0.2 |
| 1203454 | Soil | 50 | 0.88 | 541 | 0.231 | <1 | 2.54 | 0.013 | 1.15 | <0.1 | <0.01 | 5.3 | 0.7 | <0.05 | 9 | 0.6 | <0.2 |
| 1203456 | Soil | 31 | 0.41 | 337 | 0.066 | 2 | 1.38 | 0.008 | 0.32 | <0.1 | 0.02 | 5.3 | 0.2 | <0.05 | 5 | 0.7 | <0.2 |
| 1203458 | Soil | 17 | 0.82 | 318 | 0.165 | <1 | 1.66 | 0.017 | 0.26 | <0.1 | <0.01 | 6.7 | 0.1 | <0.05 | 8 | <0.5 | <0.2 |
| 1203457 | Soil | 12 | 1.89 | 408 | 0.174 | <1 | 2.61 | 0.016 | 0.95 | <0.1 | <0.01 | 11.6 | 0.3 | <0.05 | 11 | <0.5 | <0.2 |
| 1203455 | Soil | 29 | 0.34 | 408 | 0.059 | 1 | 1.55 | 0.010 | 0.07 | 0.1 | 0.02 | 2.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1203451 | Soil | 41 | 0.60 | 392 | 0.081 | 1 | 2.22 | 0.012 | 0.15 | <0.1 | 0.02 | 4.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 1203005 | Soil | 38 | 1.13 | 322 | 0.163 | 1 | 1.88 | 0.015 | 0.53 | <0.1 | 0.02 | 4.5 | 0.2 | <0.05 | 8 | <0.5 | <0.2 |
| 1203011 | Soil | 52 | 1.15 | 348 | 0.168 | 1 | 2.07 | 0.018 | 0.50 | <0.1 | 0.01 | 5.6 | 0.2 | <0.05 | 7 | <0.5 | <0.2 |
| 1203003 | Soil | 36 | 0.93 | 309 | 0.154 | 2 | 2.00 | 0.011 | 0.43 | <0.1 | 0.02 | 5.2 | 0.2 | <0.05 | 9 | <0.5 | <0.2 |
| 1203008 | Soil | 27 | 0.72 | 187 | 0.109 | 1 | 1.53 | 0.015 | 0.10 | 0.1 | 0.03 | 3.7 | <0.1 | <0.05 | 6 | 0.7 | <0.2 |
| 1203001 | Soil | 33 | 0.73 | 273 | 0.119 | 1 | 2.33 | 0.013 | 0.28 | <0.1 | 0.01 | 5.7 | 0.2 | <0.05 | 8 | 0.9 | <0.2 |
| 1203010 | Soil | 40 | 1.30 | 726 | 0.178 | 4 | 2.29 | 0.013 | 0.79 | 0.1 | 0.02 | 13.0 | 0.2 | <0.05 | 9 | 1.4 | <0.2 |
| 1203009 | Soil | 33 | 0.78 | 211 | 0.114 | <1 | 1.70 | 0.013 | 0.10 | 0.2 | 0.04 | 4.0 | <0.1 | <0.05 | 7 | 1.1 | <0.2 |
| 1203006 | Soil | 31 | 0.66 | 205 | 0.104 | <1 | 1.61 | 0.012 | 0.11 | 0.2 | 0.04 | 3.6 | <0.1 | <0.05 | 6 | 0.8 | <0.2 |
| 1203004 | Soil | 44 | 1.43 | 429 | 0.190 | <1 | 2.34 | 0.014 | 0.74 | <0.1 | 0.02 | 6.6 | 0.2 | <0.05 | 9 | 1.0 | <0.2 |
| 1203002 | Soil | 36 | 0.92 | 542 | 0.176 | <1 | 1.83 | 0.010 | 0.61 | <0.1 | 0.02 | 6.8 | 0.3 | <0.05 | 9 | 1.1 | <0.2 |
| 1203007 | Soil | 26 | 0.66 | 163 | 0.107 | 2 | 1.45 | 0.012 | 0.09 | 0.1 | 0.03 | 3.3 | <0.1 | <0.05 | 6 | 0.5 | <0.2 |
| 1203016 | Soil | 31 | 1.83 | 604 | 0.302 | <1 | 2.91 | 0.015 | 1.04 | <0.1 | 0.01 | 10.8 | 0.3 | <0.05 | 12 | 1.1 | <0.2 |
| 1203014 | Soil | 63 | 1.64 | 400 | 0.213 | 2 | 3.07 | 0.016 | 0.94 | <0.1 | 0.02 | 7.5 | 0.3 | 0.10 | 12 | 0.9 | <0.2 |
| 1203015 | Soil | 26 | 1.28 | 303 | 0.196 | 1 | 1.93 | 0.011 | 0.81 | <0.1 | 0.02 | 7.2 | 0.3 | <0.05 | 11 | 0.9 | <0.2 |
| 1203019 | Soil | 34 | 0.71 | 472 | 0.111 | <1 | 1.39 | 0.014 | 0.18 | 0.1 | 0.01 | 5.7 | 0.1 | <0.05 | 6 | 0.7 | <0.2 |
| 1203013 | Soil | 49 | 1.33 | 348 | 0.176 | 1 | 2.51 | 0.012 | 0.55 | <0.1 | 0.01 | 7.4 | 0.2 | <0.05 | 9 | 1.0 | <0.2 |
| 1203020 | Soil | 40 | 0.91 | 387 | 0.146 | <1 | 1.66 | 0.019 | 0.36 | 0.1 | 0.02 | 5.2 | 0.2 | <0.05 | 7 | 0.7 | <0.2 |
| 1203012 | Soil | 126 | 2.72 | 430 | 0.360 | <1 | 3.89 | 0.022 | 1.83 | <0.1 | <0.01 | 11.8 | 0.4 | 0.23 | 14 | 1.1 | <0.2 |
| 1203018 | Soil | 25 | 0.90 | 370 | 0.185 | <1 | 1.69 | 0.017 | 0.98 | <0.1 | <0.01 | 4.1 | 0.3 | <0.05 | 8 | 0.6 | <0.2 |
| 1203017 | Soil | 53 | 0.81 | 277 | 0.137 | 2 | 1.87 | 0.020 | 0.16 | 0.1 | 0.06 | 7.8 | <0.1 | <0.05 | 6 | 1.1 | <0.2 |
| 1203201 | Soil | 37 | 1.32 | 343 | 0.199 | 1 | 2.01 | 0.018 | 0.55 | 0.1 | 0.03 | 9.3 | 0.3 | <0.05 | 9 | 1.1 | <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 |
| 1203205 | Soil | 0.9 | 29.9 | 9.4 | 61 | <0.1 | 14.7 | 16.6 | 476 | 4.17 | 4.5 | <0.5 | 4.0 | 34 | <0.1 | 0.3 | <0.1 | 96 | 0.41 | 0.089 | 10 |
| 1203202 | Soil | 1.2 | 31.7 | 16.9 | 53 | 0.2 | 18.9 | 11.7 | 370 | 3.25 | 6.1 | <0.5 | 4.2 | 24 | <0.1 | 0.3 | 0.2 | 71 | 0.30 | 0.029 | 17 |
| 1203209 | Soil | 0.9 | 39.9 | 11.9 | 52 | <0.1 | 19.5 | 13.6 | 399 | 3.62 | 7.8 | <0.5 | 5.0 | 57 | <0.1 | 0.4 | 0.1 | 81 | 0.49 | 0.061 | 15 |
| 1203206 | Soil | 1.2 | 36.9 | 7.1 | 57 | <0.1 | 14.5 | 12.8 | 348 | 3.67 | 4.4 | 1.1 | 3.7 | 24 | <0.1 | 0.2 | <0.1 | 82 | 0.37 | 0.077 | 12 |
| 1203212 | Soil | 1.2 | 27.4 | 11.1 | 60 | <0.1 | 14.7 | 10.2 | 391 | 3.21 | 5.2 | 2.1 | 3.1 | 23 | <0.1 | 0.2 | 0.1 | 70 | 0.27 | 0.047 | 12 |
| 1203203 | Soil | 1.3 | 26.4 | 9.1 | 58 | <0.1 | 14.9 | 10.4 | 366 | 3.27 | 5.5 | 0.5 | 3.3 | 22 | <0.1 | 0.3 | 0.1 | 71 | 0.28 | 0.046 | 12 |
| 1203211 | Soil | 0.8 | 27.3 | 9.2 | 66 | <0.1 | 15.4 | 10.8 | 352 | 3.54 | 6.3 | 0.6 | 5.2 | 32 | 0.1 | 0.4 | 0.1 | 64 | 0.40 | 0.064 | 19 |
| 1203204 | Soil | 1.1 | 39.3 | 9.9 | 59 | <0.1 | 22.7 | 15.7 | 357 | 3.99 | 6.3 | 0.7 | 5.2 | 37 | <0.1 | 0.3 | 0.1 | 92 | 0.39 | 0.059 | 11 |
| 1203207 | Soil | 1.5 | 33.5 | 10.5 | 64 | <0.1 | 19.7 | 14.8 | 434 | 3.64 | 5.7 | 0.9 | 6.8 | 28 | <0.1 | 0.3 | <0.1 | 81 | 0.38 | 0.053 | 24 |
| 1203208 | Soil | 0.9 | 30.2 | 9.1 | 56 | 0.1 | 18.1 | 12.7 | 481 | 2.93 | 3.7 | 2.9 | 4.5 | 35 | 0.1 | 0.2 | <0.1 | 63 | 0.54 | 0.063 | 20 |
| 1203210 | Soil | 1.0 | 63.1 | 11.8 | 76 | <0.1 | 13.4 | 19.9 | 625 | 5.76 | 5.0 | 1.1 | 7.5 | 50 | 0.1 | 0.3 | <0.1 | 121 | 0.52 | 0.110 | 27 |
| 1167380 | Soil | 1.1 | 40.3 | 16.3 | 57 | <0.1 | 21.1 | 12.0 | 438 | 2.96 | 6.5 | 2.7 | 3.5 | 65 | <0.1 | 0.6 | 0.2 | 72 | 0.57 | 0.043 | 12 |
| 1167373 | Soil | 1.4 | 34.3 | 21.9 | 98 | 0.1 | 25.1 | 9.7 | 531 | 3.31 | 36.4 | 3.1 | 6.2 | 24 | 0.1 | 1.0 | 0.3 | 59 | 0.32 | 0.038 | 10 |
| 1167378 | Soil | 0.7 | 93.3 | 7.2 | 59 | <0.1 | 12.8 | 18.8 | 442 | 3.85 | 2.2 | 2.1 | 1.8 | 44 | <0.1 | 0.2 | <0.1 | 112 | 0.49 | 0.036 | 6 |
| 1167382 | Soil | 0.9 | 142.5 | 2.8 | 41 | <0.1 | 31.5 | 23.8 | 447 | 3.20 | 3.7 | 0.8 | 0.5 | 71 | <0.1 | 0.6 | <0.1 | 76 | 0.50 | 0.033 | 3 |
| 1166321 | Soil | 0.9 | 114.0 | 2.3 | 42 | <0.1 | 36.5 | 26.3 | 575 | 3.22 | 5.1 | <0.5 | 0.4 | 65 | <0.1 | 0.5 | <0.1 | 83 | 0.51 | 0.032 | 3 |
| 1167377 | Soil | 1.9 | 47.4 | 20.1 | 104 | <0.1 | 25.1 | 10.4 | 330 | 4.10 | 31.3 | 1.3 | 7.3 | 29 | <0.1 | 1.2 | 0.4 | 45 | 0.16 | 0.031 | 14 |
| 1167376 | Soil | 0.7 | 26.5 | 8.3 | 49 | 0.1 | 22.3 | 8.7 | 361 | 2.54 | 9.2 | 3.2 | 3.8 | 34 | <0.1 | 0.6 | 0.1 | 52 | 0.37 | 0.022 | 18 |
| 1167375 | Soil | 1.2 | 22.4 | 15.4 | 67 | <0.1 | 15.0 | 6.3 | 307 | 3.07 | 4.7 | 7.0 | 14.9 | 12 | <0.1 | 0.2 | 0.7 | 35 | 0.23 | 0.086 | 12 |
| 1167370 | Soil | 1.0 | 17.4 | 8.5 | 59 | <0.1 | 13.3 | 7.7 | 389 | 2.51 | 4.3 | 2.6 | 2.7 | 23 | <0.1 | 0.4 | 0.1 | 47 | 0.23 | 0.019 | 8 |
| 1167374 | Soil | 1.8 | 48.6 | 13.6 | 133 | <0.1 | 44.4 | 11.6 | 263 | 3.83 | 9.5 | 1.6 | 7.5 | 22 | <0.1 | 0.3 | 0.2 | 79 | 0.23 | 0.057 | 21 |
| 1167371 | Soil | 0.9 | 16.1 | 10.3 | 43 | <0.1 | 16.8 | 7.9 | 303 | 2.66 | 7.3 | 8.4 | 4.8 | 33 | <0.1 | 0.4 | 0.1 | 51 | 0.38 | 0.013 | 16 |
| 1167365 | Soil | 1.9 | 41.3 | 13.7 | 123 | <0.1 | 33.7 | 14.2 | 318 | 4.27 | 52.9 | <0.5 | 9.6 | 28 | <0.1 | 0.9 | 0.3 | 90 | 0.34 | 0.110 | 29 |
| 1167360 | Soil | 0.9 | 43.3 | 11.5 | 39 | <0.1 | 16.6 | 13.1 | 338 | 2.84 | 4.0 | 1.4 | 1.8 | 61 | <0.1 | 0.3 | 0.1 | 74 | 0.44 | 0.014 | 7 |
| 1167359 | Soil | 0.9 | 26.9 | 7.6 | 59 | 0.1 | 21.2 | 10.7 | 411 | 2.34 | 7.7 | 2.3 | 2.4 | 39 | 0.2 | 0.5 | 0.1 | 53 | 0.60 | 0.057 | 12 |
| 1167368 | Soil | 1.4 | 20.1 | 17.3 | 74 | 0.1 | 19.2 | 7.7 | 261 | 2.64 | 25.5 | 2.9 | 2.5 | 29 | 0.3 | 0.6 | 0.1 | 57 | 0.42 | 0.015 | 9 |
| 1167364 | Soil | 3.4 | 45.0 | 20.2 | 144 | 0.2 | 38.1 | 11.0 | 328 | 4.29 | 72.0 | <0.5 | 8.0 | 32 | 0.2 | 0.8 | 0.3 | 71 | 0.15 | 0.062 | 21 |
| 1167369 | Soil | 0.8 | 16.3 | 9.0 | 43 | <0.1 | 14.6 | 8.3 | 526 | 2.50 | 5.7 | 1.1 | 3.1 | 35 | 0.1 | 0.4 | 0.1 | 47 | 0.57 | 0.017 | 13 |
| 1167361 | Soil | 1.1 | 33.6 | 9.1 | 51 | 0.1 | 15.8 | 11.5 | 843 | 3.24 | 7.1 | 12.4 | 3.8 | 128 | <0.1 | 0.4 | 0.1 | 44 | 0.70 | 0.027 | 14 |
| 1167366 | Soil | 1.0 | 27.9 | 18.0 | 74 | 0.2 | 21.7 | 8.2 | 751 | 2.57 | 51.6 | 2.3 | 3.6 | 38 | 0.4 | 1.4 | 0.1 | 44 | 0.66 | 0.030 | 16 |

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AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

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

Project: PAN
Report Date: November 16, 2011



# CERTIFICATE OF ANALYSIS DAW11000265.1

| | 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 |
| 1203205 | Soil | 34 | 1.21 | 277 | 0.195 | 1 | 2.21 | 0.017 | 0.58 | 0.1 | 0.01 | 4.9 | 0.2 | <0.05 | 9 | <0.5 | <0.2 |
| 1203202 | Soil | 43 | 0.85 | 389 | 0.138 | 1 | 1.82 | 0.014 | 0.23 | 0.1 | 0.03 | 5.0 | 0.1 | <0.05 | 7 | 0.8 | <0.2 |
| 1203209 | Soil | 44 | 1.07 | 311 | 0.153 | <1 | 1.94 | 0.018 | 0.39 | 0.1 | 0.03 | 6.2 | 0.2 | <0.05 | 7 | 0.7 | <0.2 |
| 1203206 | Soil | 39 | 1.04 | 222 | 0.166 | <1 | 1.84 | 0.017 | 0.43 | 0.1 | 0.02 | 5.0 | 0.2 | <0.05 | 8 | 0.8 | <0.2 |
| 1203212 | Soil | 36 | 0.90 | 258 | 0.159 | <1 | 1.63 | 0.013 | 0.46 | 0.1 | 0.02 | 4.4 | 0.2 | <0.05 | 7 | 0.5 | <0.2 |
| 1203203 | Soil | 36 | 0.87 | 249 | 0.160 | 1 | 1.66 | 0.013 | 0.43 | 0.1 | 0.03 | 4.3 | 0.2 | <0.05 | 7 | 0.8 | <0.2 |
| 1203211 | Soil | 30 | 0.96 | 319 | 0.145 | 1 | 2.00 | 0.015 | 0.35 | 0.2 | 0.06 | 5.8 | 0.2 | <0.05 | 8 | 0.7 | <0.2 |
| 1203204 | Soil | 40 | 1.19 | 414 | 0.198 | <1 | 2.19 | 0.020 | 0.51 | 0.1 | 0.02 | 5.3 | 0.2 | <0.05 | 8 | 1.0 | <0.2 |
| 1203207 | Soil | 57 | 1.01 | 406 | 0.159 | 1 | 2.29 | 0.015 | 0.37 | 0.2 | 0.02 | 5.4 | 0.2 | <0.05 | 8 | 0.9 | <0.2 |
| 1203208 | Soil | 40 | 0.85 | 392 | 0.122 | 2 | 1.61 | 0.016 | 0.30 | 0.1 | 0.07 | 5.9 | 0.1 | <0.05 | 6 | 1.1 | <0.2 |
| 1203210 | Soil | 32 | 1.80 | 521 | 0.291 | <1 | 2.66 | 0.014 | 1.12 | <0.1 | 0.02 | 8.9 | 0.4 | 0.05 | 12 | 1.1 | <0.2 |
| 1167380 | Soil | 33 | 0.83 | 325 | 0.111 | 1 | 1.64 | 0.024 | 0.15 | 0.1 | 0.02 | 5.8 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1167373 | Soil | 34 | 0.53 | 346 | 0.108 | 2 | 1.66 | 0.009 | 0.53 | <0.1 | <0.01 | 3.5 | 0.2 | <0.05 | 6 | 0.5 | <0.2 |
| 1167378 | Soil | 11 | 1.21 | 257 | 0.202 | <1 | 1.73 | 0.031 | 0.53 | <0.1 | 0.01 | 6.4 | 0.2 | <0.05 | 7 | <0.5 | <0.2 |
| 1167382 | Soil | 89 | 1.45 | 335 | 0.137 | <1 | 1.52 | 0.022 | 0.50 | <0.1 | <0.01 | 6.2 | 0.3 | 0.09 | 5 | <0.5 | <0.2 |
| 1166321 | Soil | 101 | 1.58 | 344 | 0.117 | 2 | 1.56 | 0.018 | 0.28 | <0.1 | 0.01 | 7.9 | 0.2 | <0.05 | 5 | <0.5 | <0.2 |
| 1167377 | Soil | 17 | 0.16 | 260 | 0.006 | 3 | 0.82 | 0.006 | 0.09 | <0.1 | 0.02 | 5.3 | <0.1 | <0.05 | 4 | 0.7 | <0.2 |
| 1167376 | Soil | 30 | 0.53 | 534 | 0.066 | <1 | 1.34 | 0.019 | 0.07 | 0.1 | 0.06 | 5.8 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 1167375 | Soil | 18 | 0.63 | 223 | 0.112 | <1 | 1.64 | 0.007 | 0.72 | <0.1 | <0.01 | 3.4 | 0.3 | <0.05 | 6 | <0.5 | <0.2 |
| 1167370 | Soil | 22 | 0.42 | 227 | 0.056 | <1 | 1.37 | 0.012 | 0.11 | <0.1 | <0.01 | 3.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1167374 | Soil | 46 | 0.75 | 269 | 0.158 | <1 | 1.78 | 0.009 | 0.75 | <0.1 | <0.01 | 5.8 | 0.5 | <0.05 | 7 | 0.6 | <0.2 |
| 1167371 | Soil | 28 | 0.40 | 507 | 0.040 | 1 | 1.47 | 0.012 | 0.08 | <0.1 | 0.02 | 5.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1167365 | Soil | 27 | 0.84 | 426 | 0.151 | 1 | 1.84 | 0.011 | 0.73 | 0.1 | 0.01 | 5.0 | 0.4 | <0.05 | 7 | <0.5 | <0.2 |
| 1167360 | Soil | 23 | 0.70 | 361 | 0.111 | <1 | 1.51 | 0.023 | 0.19 | <0.1 | <0.01 | 5.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1167359 | Soil | 27 | 0.54 | 233 | 0.066 | 2 | 1.32 | 0.025 | 0.05 | 0.2 | 0.03 | 3.4 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 1167368 | Soil | 30 | 0.44 | 224 | 0.059 | 2 | 1.58 | 0.017 | 0.06 | 0.1 | 0.02 | 4.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1167364 | Soil | 36 | 0.49 | 370 | 0.098 | 2 | 1.50 | 0.009 | 0.48 | <0.1 | <0.01 | 4.1 | 0.4 | <0.05 | 7 | <0.5 | <0.2 |
| 1167369 | Soil | 23 | 0.35 | 360 | 0.045 | 2 | 1.36 | 0.016 | 0.10 | 0.1 | 0.02 | 5.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1167361 | Soil | 18 | 0.76 | 696 | 0.081 | 2 | 1.33 | 0.021 | 0.42 | 0.1 | 0.03 | 8.3 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1167366 | Soil | 21 | 0.40 | 454 | 0.041 | 2 | 1.04 | 0.021 | 0.12 | 0.1 | 0.07 | 5.1 | <0.1 | <0.05 | 3 | <0.5 | <0.2 |

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AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

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

Project: PAN
Report Date: November 16, 2011



# CERTIFICATE OF ANALYSIS DAW11000265.1

| | 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 |
| 1167362 | Soil | 0.9 | 38.6 | 11.2 | 60 | 0.1 | 22.3 | 8.6 | 623 | 2.64 | 8.8 | 3.2 | 3.0 | 146 | 0.1 | 0.5 | 0.1 | 44 | 1.51 | 0.034 | 17 |
| 1167363 | Soil | 2.0 | 36.2 | 17.1 | 111 | <0.1 | 31.6 | 10.8 | 390 | 3.43 | 28.9 | 1.6 | 8.6 | 38 | <0.1 | 0.5 | 0.2 | 49 | 0.32 | 0.052 | 23 |
| 1167367 | Soil | 1.8 | 20.6 | 32.9 | 96 | 0.2 | 20.2 | 9.1 | 633 | 3.40 | 91.3 | 8.1 | 6.0 | 52 | 0.3 | 1.2 | 0.2 | 51 | 0.44 | 0.024 | 13 |
| 1167353 | Soil | 0.7 | 26.7 | 13.3 | 64 | <0.1 | 18.9 | 8.9 | 323 | 2.73 | 5.8 | 4.0 | 4.5 | 27 | <0.1 | 0.4 | 0.1 | 59 | 0.48 | 0.054 | 17 |
| 1167351 | Soil | 0.7 | 18.6 | 26.5 | 53 | <0.1 | 15.5 | 8.8 | 267 | 2.79 | 5.8 | 1.2 | 3.2 | 23 | <0.1 | 0.3 | 0.2 | 64 | 0.35 | 0.046 | 14 |
| 1167352 | Soil | 0.7 | 18.9 | 8.7 | 54 | <0.1 | 15.3 | 8.9 | 301 | 2.73 | 6.3 | 5.9 | 3.7 | 23 | <0.1 | 0.3 | 0.1 | 59 | 0.33 | 0.040 | 15 |
| 1167355 | Soil | 0.5 | 34.5 | 8.4 | 60 | <0.1 | 18.0 | 14.2 | 303 | 2.92 | 5.2 | 1.7 | 2.2 | 31 | 0.1 | 0.3 | 0.1 | 76 | 0.48 | 0.070 | 10 |
| 1167358 | Soil | 0.7 | 29.2 | 7.9 | 57 | <0.1 | 24.2 | 9.4 | 383 | 2.39 | 8.0 | 2.2 | 3.2 | 40 | 0.2 | 0.6 | 0.1 | 54 | 0.61 | 0.063 | 13 |
| 1167356 | Soil | 0.4 | 45.9 | 11.9 | 49 | 0.1 | 17.6 | 7.9 | 261 | 1.81 | 3.6 | 6.1 | 2.3 | 378 | 0.3 | 0.4 | 0.1 | 44 | 1.18 | 0.060 | 10 |
| 1167379 | Soil | 1.1 | 37.9 | 10.1 | 53 | <0.1 | 15.3 | 12.6 | 382 | 3.26 | 4.6 | 0.9 | 2.3 | 45 | 0.1 | 0.3 | <0.1 | 85 | 0.47 | 0.040 | 8 |
| 1167381 | Soil | 0.5 | 32.4 | 21.3 | 44 | <0.1 | 14.6 | 8.3 | 190 | 2.20 | 5.2 | 2.6 | 1.9 | 189 | 0.2 | 0.5 | 0.1 | 49 | 1.38 | 0.048 | 11 |
| 1167357 | Soil | 0.5 | 22.1 | 6.7 | 54 | <0.1 | 17.3 | 7.8 | 289 | 2.17 | 6.7 | 6.9 | 2.8 | 38 | <0.1 | 0.4 | 0.1 | 50 | 0.56 | 0.061 | 12 |
| 1167354 | Soil | 0.4 | 77.7 | 11.2 | 69 | <0.1 | 22.3 | 22.2 | 341 | 3.14 | 3.4 | 0.7 | 1.9 | 44 | <0.1 | 0.2 | <0.1 | 83 | 1.02 | 0.255 | 8 |
| 1167372 | Soil | 1.4 | 30.3 | 20.8 | 182 | 0.3 | 14.9 | 8.3 | 819 | 2.28 | 6.9 | 2.3 | 2.3 | 31 | 0.6 | 0.7 | 0.2 | 45 | 0.42 | 0.019 | 8 |
| 1166268 | Soil | 2.4 | 29.5 | 17.0 | 101 | 0.2 | 23.4 | 8.7 | 399 | 3.60 | 14.6 | 1.5 | 5.2 | 40 | 0.2 | 1.5 | 0.2 | 67 | 0.18 | 0.043 | 17 |
| 1166271 | Soil | 1.0 | 26.1 | 13.0 | 55 | 0.1 | 18.2 | 8.4 | 352 | 2.37 | 5.3 | 7.0 | 3.5 | 38 | 0.2 | 0.4 | 0.1 | 51 | 0.48 | 0.035 | 16 |
| 1166270 | Soil | 1.4 | 16.6 | 10.4 | 54 | <0.1 | 13.8 | 5.7 | 232 | 2.85 | 9.3 | 2.3 | 2.9 | 18 | 0.1 | 0.4 | 0.2 | 77 | 0.12 | 0.041 | 11 |
| 1166273 | Soil | 1.0 | 23.5 | 12.9 | 75 | <0.1 | 18.1 | 9.9 | 384 | 2.57 | 6.7 | 5.4 | 3.4 | 45 | 0.2 | 0.4 | 0.2 | 61 | 0.44 | 0.056 | 13 |
| 1166272 | Soil | 1.2 | 28.7 | 15.1 | 86 | <0.1 | 22.9 | 10.8 | 423 | 2.89 | 7.2 | 2.3 | 5.6 | 35 | 0.1 | 0.3 | 0.2 | 67 | 0.50 | 0.050 | 16 |
| 1166275 | Soil | 2.1 | 37.2 | 14.0 | 118 | <0.1 | 31.2 | 12.2 | 430 | 3.55 | 25.2 | 1.3 | 8.9 | 28 | 0.3 | 0.7 | 0.2 | 81 | 0.30 | 0.066 | 27 |
| 1166274 | Soil | 1.4 | 27.6 | 12.5 | 105 | <0.1 | 24.1 | 10.4 | 368 | 2.93 | 10.0 | 2.1 | 7.0 | 27 | 0.1 | 0.4 | 0.2 | 67 | 0.34 | 0.054 | 19 |
| 1166279 | Soil | 1.5 | 49.7 | 11.9 | 126 | <0.1 | 42.8 | 13.3 | 321 | 4.06 | 9.1 | <0.5 | 8.2 | 18 | 0.1 | 0.3 | 0.2 | 89 | 0.25 | 0.066 | 16 |
| 1166277 | Soil | 1.7 | 32.2 | 10.6 | 99 | <0.1 | 28.6 | 12.7 | 496 | 3.41 | 32.9 | 1.3 | 6.6 | 38 | <0.1 | 0.7 | 0.1 | 74 | 0.33 | 0.054 | 20 |
| 1166276 | Soil | 1.7 | 30.6 | 11.4 | 90 | 0.2 | 28.0 | 12.7 | 495 | 3.29 | 24.4 | 2.8 | 6.5 | 26 | <0.1 | 0.7 | 0.2 | 80 | 0.24 | 0.047 | 21 |
| 1166278 | Soil | 1.3 | 31.9 | 11.6 | 71 | <0.1 | 28.7 | 11.1 | 294 | 3.24 | 14.1 | 1.8 | 5.5 | 29 | <0.1 | 0.6 | 0.1 | 83 | 0.28 | 0.022 | 18 |
| 1166269 | Soil | 1.8 | 31.3 | 11.5 | 79 | 0.3 | 21.7 | 8.1 | 394 | 2.59 | 8.1 | 2.5 | 7.2 | 116 | 0.1 | 0.5 | 0.2 | 69 | 0.52 | 0.038 | 41 |
| 1166284 | Soil | 1.7 | 31.8 | 13.5 | 81 | <0.1 | 24.0 | 11.7 | 556 | 3.24 | 25.6 | 1.5 | 6.7 | 39 | <0.1 | 0.6 | 0.2 | 65 | 0.43 | 0.047 | 23 |
| 1166281 | Soil | 2.5 | 24.3 | 14.2 | 74 | <0.1 | 16.3 | 14.9 | 622 | 4.70 | 41.8 | <0.5 | 7.2 | 24 | 0.1 | 0.8 | 0.2 | 53 | 0.16 | 0.021 | 11 |
| 1166282 | Soil | 1.8 | 38.2 | 11.9 | 88 | 0.1 | 28.9 | 12.1 | 459 | 3.21 | 22.8 | 5.1 | 8.9 | 49 | <0.1 | 0.6 | 0.1 | 73 | 0.40 | 0.059 | 31 |
| 1166285 | Soil | 1.4 | 24.8 | 10.6 | 64 | <0.1 | 20.7 | 12.9 | 555 | 3.17 | 10.3 | 2.3 | 4.4 | 33 | 0.1 | 0.5 | 0.1 | 74 | 0.35 | 0.026 | 16 |

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AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

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

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Report Date: November 16, 2011



# CERTIFICATE OF ANALYSIS DAW11000265.1

| | 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 |
| 1167362 | Soil | 22 | 0.46 | 469 | 0.049 | 3 | 1.10 | 0.019 | 0.12 | 0.1 | 0.04 | 5.0 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 1167363 | Soil | 27 | 0.41 | 262 | 0.061 | 2 | 1.10 | 0.009 | 0.38 | <0.1 | 0.02 | 4.3 | 0.2 | <0.05 | 4 | 0.6 | <0.2 |
| 1167367 | Soil | 28 | 0.26 | 982 | 0.023 | 1 | 1.41 | 0.011 | 0.11 | <0.1 | 0.03 | 5.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1167353 | Soil | 31 | 0.57 | 390 | 0.068 | 1 | 1.71 | 0.018 | 0.05 | 0.2 | 0.03 | 6.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1167351 | Soil | 29 | 0.64 | 225 | 0.093 | <1 | 1.69 | 0.015 | 0.05 | 0.1 | 0.01 | 3.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1167352 | Soil | 27 | 0.61 | 236 | 0.069 | 1 | 1.64 | 0.014 | 0.04 | 0.1 | 0.03 | 4.6 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1167355 | Soil | 30 | 0.73 | 307 | 0.078 | 1 | 1.57 | 0.027 | 0.05 | 0.2 | 0.03 | 5.1 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1167358 | Soil | 27 | 0.56 | 242 | 0.082 | 2 | 1.35 | 0.034 | 0.08 | 0.2 | 0.02 | 3.8 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 1167356 | Soil | 23 | 0.66 | 355 | 0.059 | 3 | 1.05 | 0.021 | 0.09 | 0.2 | 0.03 | 3.4 | <0.1 | 0.14 | 4 | 0.8 | <0.2 |
| 1167379 | Soil | 22 | 0.75 | 280 | 0.126 | <1 | 1.60 | 0.024 | 0.24 | 0.1 | 0.01 | 5.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1167381 | Soil | 25 | 0.58 | 367 | 0.058 | 4 | 1.12 | 0.022 | 0.09 | <0.1 | 0.03 | 4.3 | <0.1 | 0.06 | 4 | 0.7 | <0.2 |
| 1167357 | Soil | 25 | 0.51 | 200 | 0.079 | 2 | 1.28 | 0.028 | 0.05 | 0.2 | 0.03 | 3.3 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 1167354 | Soil | 33 | 1.13 | 242 | 0.099 | <1 | 1.72 | 0.040 | 0.13 | 0.1 | 0.01 | 4.3 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 1167372 | Soil | 27 | 0.31 | 839 | 0.029 | 2 | 1.24 | 0.014 | 0.08 | <0.1 | 0.18 | 3.4 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 1166268 | Soil | 28 | 0.37 | 396 | 0.035 | 2 | 1.57 | 0.010 | 0.15 | <0.1 | 0.02 | 3.8 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1166271 | Soil | 28 | 0.48 | 286 | 0.068 | 2 | 1.43 | 0.020 | 0.06 | 0.1 | 0.04 | 4.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1166270 | Soil | 26 | 0.38 | 130 | 0.076 | <1 | 1.49 | 0.008 | 0.11 | <0.1 | 0.02 | 2.7 | 0.1 | <0.05 | 8 | <0.5 | <0.2 |
| 1166273 | Soil | 30 | 0.56 | 326 | 0.090 | 2 | 1.61 | 0.029 | 0.09 | 0.1 | 0.02 | 3.9 | <0.1 | <0.05 | 5 | 0.6 | <0.2 |
| 1166272 | Soil | 34 | 0.59 | 278 | 0.112 | 1 | 1.73 | 0.026 | 0.14 | 0.1 | 0.01 | 4.7 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1166275 | Soil | 42 | 0.59 | 320 | 0.105 | 2 | 1.89 | 0.012 | 0.35 | <0.1 | 0.05 | 5.0 | 0.3 | <0.05 | 7 | 0.6 | <0.2 |
| 1166274 | Soil | 33 | 0.55 | 276 | 0.106 | 2 | 1.72 | 0.016 | 0.24 | 0.1 | 0.02 | 3.9 | 0.2 | <0.05 | 6 | <0.5 | <0.2 |
| 1166279 | Soil | 49 | 0.85 | 274 | 0.194 | 1 | 2.29 | 0.014 | 0.77 | <0.1 | <0.01 | 4.2 | 0.5 | <0.05 | 8 | 0.8 | <0.2 |
| 1166277 | Soil | 38 | 0.64 | 327 | 0.127 | 3 | 1.89 | 0.017 | 0.37 | <0.1 | 0.01 | 4.4 | 0.2 | <0.05 | 6 | 0.8 | <0.2 |
| 1166276 | Soil | 39 | 0.61 | 358 | 0.120 | 2 | 2.01 | 0.014 | 0.34 | <0.1 | 0.03 | 4.2 | 0.3 | <0.05 | 7 | <0.5 | <0.2 |
| 1166278 | Soil | 44 | 0.63 | 279 | 0.124 | 2 | 2.26 | 0.019 | 0.19 | <0.1 | <0.01 | 4.6 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1166269 | Soil | 33 | 0.49 | 331 | 0.090 | 2 | 1.72 | 0.021 | 0.20 | <0.1 | 0.03 | 3.9 | 0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 1166284 | Soil | 34 | 0.58 | 382 | 0.102 | 3 | 1.66 | 0.017 | 0.30 | <0.1 | 0.02 | 5.4 | 0.2 | <0.05 | 6 | 0.8 | <0.2 |
| 1166281 | Soil | 27 | 0.69 | 258 | 0.080 | 3 | 1.72 | 0.012 | 0.42 | <0.1 | 0.01 | 10.6 | 0.2 | <0.05 | 7 | 0.8 | <0.2 |
| 1166282 | Soil | 39 | 0.61 | 389 | 0.124 | 2 | 1.69 | 0.019 | 0.41 | <0.1 | 0.02 | 4.7 | 0.2 | <0.05 | 6 | 0.8 | <0.2 |
| 1166285 | Soil | 36 | 0.72 | 405 | 0.118 | 2 | 1.91 | 0.023 | 0.27 | <0.1 | <0.01 | 4.7 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |

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AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

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

Project: PAN
Report Date: November 16, 2011



# CERTIFICATE OF ANALYSIS DAW11000265.1

| | 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 |
| 1166286 | Soil | 1.6 | 31.0 | 10.8 | 65 | <0.1 | 24.5 | 9.9 | 489 | 2.87 | 12.8 | 3.1 | 5.8 | 60 | <0.1 | 0.6 | 0.1 | 63 | 0.48 | 0.040 | 21 |
| 1166287 | Soil | 0.7 | 33.9 | 9.6 | 63 | <0.1 | 28.1 | 11.0 | 469 | 2.76 | 11.7 | 3.0 | 5.2 | 74 | <0.1 | 0.5 | 0.1 | 64 | 0.69 | 0.046 | 17 |
| 1166283 | Soil | 1.6 | 33.6 | 13.8 | 82 | <0.1 | 23.3 | 11.4 | 494 | 3.31 | 26.3 | 2.4 | 7.5 | 41 | <0.1 | 0.6 | 0.2 | 66 | 0.39 | 0.043 | 25 |
| 1166288 | Soil | 1.0 | 26.1 | 7.1 | 55 | <0.1 | 18.9 | 11.2 | 361 | 2.80 | 6.2 | 1.9 | 3.1 | 49 | <0.1 | 0.3 | 0.1 | 66 | 0.44 | 0.032 | 10 |
| 1167430 | Soil | 0.8 | 53.0 | 7.3 | 62 | 0.2 | 27.4 | 13.4 | 571 | 2.83 | 7.3 | 1.6 | 2.8 | 88 | 0.1 | 0.6 | 0.1 | 68 | 2.86 | 0.047 | 13 |
| 1167431 | Soil | 1.0 | 196.3 | 8.6 | 139 | <0.1 | 29.8 | 17.4 | 632 | 3.58 | 3.7 | 2.3 | 6.7 | 61 | 0.2 | 0.3 | <0.1 | 86 | 0.61 | 0.072 | 12 |
| 1167258 | Soil | 1.0 | 59.0 | 10.3 | 81 | 0.1 | 21.4 | 16.1 | 639 | 2.92 | 11.9 | 1.8 | 3.9 | 80 | 0.2 | 0.5 | 0.1 | 67 | 0.91 | 0.062 | 22 |
| 1167259 | Soil | 0.7 | 130.8 | 11.5 | 115 | <0.1 | 28.1 | 25.4 | 861 | 4.61 | 4.5 | 3.5 | 2.5 | 73 | 0.4 | 0.2 | <0.1 | 134 | 0.82 | 0.171 | 12 |
| 1167260 | Soil | 0.8 | 121.8 | 8.5 | 95 | <0.1 | 26.7 | 18.9 | 813 | 4.17 | 3.9 | 2.7 | 2.3 | 46 | <0.1 | 0.4 | <0.1 | 110 | 0.65 | 0.103 | 15 |
| 1167261 | Soil | 0.7 | 47.2 | 6.5 | 111 | <0.1 | 22.1 | 18.9 | 838 | 4.71 | 6.4 | 1.0 | 5.9 | 50 | <0.1 | 0.2 | <0.1 | 139 | 0.58 | 0.082 | 19 |
| 1166261 | Soil | 1.1 | 59.5 | 65.0 | 211 | <0.1 | 29.0 | 20.6 | 784 | 4.82 | 26.4 | 1.9 | 8.6 | 54 | 0.6 | 0.6 | 0.3 | 146 | 0.48 | 0.073 | 30 |
| 1166262 | Soil | 0.5 | 96.8 | 9.1 | 129 | 0.1 | 53.3 | 24.3 | 680 | 3.86 | 6.6 | 1.5 | 2.7 | 190 | 0.4 | 0.4 | 0.1 | 98 | 0.96 | 0.044 | 13 |
| 1166263 | Soil | 0.7 | 43.2 | 7.1 | 54 | 0.1 | 11.8 | 9.0 | 282 | 2.10 | 3.4 | 1.8 | 1.7 | 56 | 0.2 | 0.2 | <0.1 | 50 | 0.41 | 0.060 | 10 |
| 1166265 | Soil | 1.2 | 45.9 | 22.0 | 80 | <0.1 | 23.9 | 10.6 | 492 | 3.14 | 5.3 | 3.5 | 6.7 | 130 | 0.1 | 0.5 | 0.2 | 65 | 0.85 | 0.047 | 26 |
| 1166264 | Soil | 0.7 | 89.5 | 8.2 | 135 | 0.1 | 21.0 | 17.6 | 715 | 3.86 | 8.2 | 1.8 | 3.0 | 50 | 0.1 | 0.6 | <0.1 | 88 | 0.83 | 0.062 | 15 |
| 1166266 | Soil | 1.7 | 74.6 | 17.4 | 121 | <0.1 | 36.7 | 13.8 | 517 | 4.39 | 6.9 | 94.1 | 12.3 | 99 | 0.2 | 0.4 | 0.2 | 76 | 0.55 | 0.080 | 35 |
| 1166267 | Soil | 1.6 | 44.8 | 13.8 | 116 | 0.2 | 27.7 | 14.1 | 883 | 3.32 | 21.9 | 20.9 | 8.1 | 69 | 0.3 | 0.5 | 0.2 | 67 | 0.43 | 0.071 | 49 |
| 1166280 | Soil | 4.7 | 41.8 | 11.2 | 119 | <0.1 | 19.8 | 14.3 | 583 | 4.19 | 4.4 | <0.5 | 7.7 | 38 | <0.1 | 0.1 | 0.1 | 60 | 0.35 | 0.035 | 13 |
| 1204546 | Soil | 1.0 | 152.6 | 8.1 | 211 | 0.1 | 25.5 | 28.0 | 1359 | 5.31 | 1.1 | 0.8 | 9.1 | 34 | 0.1 | <0.1 | 0.3 | 132 | 0.75 | 0.137 | 24 |
| 1204543 | Soil | 0.4 | 138.2 | 6.9 | 149 | <0.1 | 19.1 | 25.8 | 823 | 5.36 | 1.1 | 2.2 | 7.9 | 36 | <0.1 | <0.1 | 0.1 | 144 | 0.51 | 0.076 | 20 |
| 1204541 | Soil | 0.8 | 56.7 | 7.6 | 197 | <0.1 | 15.5 | 20.5 | 1332 | 5.78 | 2.6 | 0.6 | 7.2 | 266 | 0.1 | 0.1 | 0.1 | 122 | 0.85 | 0.147 | 16 |
| 1204540 | Soil | 1.0 | 78.1 | 8.5 | 98 | <0.1 | 13.8 | 19.0 | 724 | 4.17 | 1.6 | 3.5 | 3.2 | 59 | <0.1 | <0.1 | <0.1 | 82 | 0.46 | 0.073 | 15 |
| 1204537 | Soil | 0.7 | 28.1 | 9.6 | 64 | <0.1 | 14.8 | 14.2 | 411 | 3.03 | 4.8 | 1.5 | 3.4 | 30 | <0.1 | 0.2 | <0.1 | 71 | 0.47 | 0.084 | 11 |
| 1204544 | Soil | 1.3 | 124.8 | 7.1 | 169 | <0.1 | 25.1 | 23.3 | 897 | 5.80 | 3.1 | <0.5 | 7.3 | 37 | <0.1 | 0.2 | <0.1 | 126 | 0.35 | 0.058 | 21 |
| 1204539 | Soil | 1.0 | 32.3 | 10.6 | 146 | <0.1 | 38.1 | 33.5 | 1216 | 5.79 | 2.2 | <0.5 | 6.7 | 47 | 0.1 | <0.1 | <0.1 | 135 | 0.68 | 0.109 | 23 |
| 1204542 | Soil | 0.9 | 46.2 | 9.0 | 160 | <0.1 | 16.4 | 17.9 | 1011 | 5.66 | 2.8 | <0.5 | 8.0 | 196 | 0.2 | 0.1 | 0.1 | 99 | 0.72 | 0.127 | 14 |
| 1204538 | Soil | 0.8 | 31.5 | 12.2 | 58 | 0.2 | 16.6 | 10.0 | 242 | 2.97 | 4.1 | <0.5 | 3.9 | 27 | 0.1 | 0.2 | 0.1 | 60 | 0.37 | 0.064 | 22 |
| 1203166 | Soil | 0.8 | 35.7 | 5.8 | 104 | <0.1 | 10.3 | 15.8 | 825 | 5.13 | 1.2 | <0.5 | 6.4 | 25 | <0.1 | 0.2 | <0.1 | 71 | 0.49 | 0.109 | 14 |
| 1204536 | Soil | 0.6 | 40.3 | 6.1 | 74 | <0.1 | 15.5 | 16.9 | 463 | 3.79 | 4.1 | 0.6 | 2.2 | 33 | 0.1 | 0.1 | <0.1 | 90 | 0.56 | 0.096 | 8 |
| 1204535 | Soil | 0.5 | 34.6 | 7.3 | 61 | <0.1 | 16.6 | 12.9 | 305 | 3.09 | 6.0 | <0.5 | 2.8 | 28 | <0.1 | 0.3 | <0.1 | 69 | 0.48 | 0.090 | 10 |

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AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

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

Project: PAN
Report Date: November 16, 2011



# CERTIFICATE OF ANALYSIS DAW11000265.1

| | 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 |
| 1166286 | Soil | 35 | 0.59 | 381 | 0.093 | 3 | 1.67 | 0.028 | 0.13 | 0.1 | 0.04 | 5.9 | <0.1 | <0.05 | 5 | 0.6 | <0.2 |
| 1166287 | Soil | 40 | 0.62 | 350 | 0.089 | 1 | 1.62 | 0.031 | 0.11 | 0.1 | 0.04 | 4.9 | <0.1 | <0.05 | 5 | 0.7 | <0.2 |
| 1166283 | Soil | 33 | 0.61 | 420 | 0.098 | 2 | 1.71 | 0.017 | 0.29 | 0.1 | 0.04 | 5.7 | 0.2 | <0.05 | 6 | <0.5 | <0.2 |
| 1166288 | Soil | 29 | 0.67 | 303 | 0.125 | 1 | 1.76 | 0.035 | 0.17 | 0.1 | 0.01 | 4.4 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1167430 | Soil | 29 | 0.82 | 323 | 0.102 | 3 | 1.76 | 0.056 | 0.12 | 0.1 | 0.03 | 4.5 | <0.1 | <0.05 | 5 | 0.9 | <0.2 |
| 1167431 | Soil | 43 | 1.22 | 353 | 0.179 | <1 | 1.71 | 0.042 | 0.57 | <0.1 | 0.01 | 6.0 | 0.2 | <0.05 | 7 | <0.5 | <0.2 |
| 1167258 | Soil | 36 | 0.74 | 364 | 0.100 | 2 | 1.59 | 0.028 | 0.19 | 0.1 | 0.05 | 5.5 | 0.1 | <0.05 | 5 | 0.7 | <0.2 |
| 1167259 | Soil | 35 | 1.63 | 540 | 0.175 | <1 | 2.38 | 0.036 | 0.66 | <0.1 | <0.01 | 7.4 | 0.2 | <0.05 | 10 | <0.5 | <0.2 |
| 1167260 | Soil | 35 | 1.19 | 448 | 0.113 | 1 | 1.85 | 0.030 | 0.32 | <0.1 | 0.02 | 9.1 | <0.1 | <0.05 | 9 | <0.5 | <0.2 |
| 1167261 | Soil | 39 | 1.84 | 301 | 0.252 | 1 | 2.62 | 0.015 | 0.93 | <0.1 | <0.01 | 8.0 | 0.6 | <0.05 | 11 | <0.5 | <0.2 |
| 1166261 | Soil | 64 | 1.68 | 451 | 0.249 | 1 | 2.74 | 0.021 | 0.86 | <0.1 | 0.01 | 10.3 | 0.6 | <0.05 | 11 | <0.5 | <0.2 |
| 1166262 | Soil | 107 | 1.88 | 814 | 0.165 | <1 | 2.40 | 0.028 | 0.85 | <0.1 | 0.03 | 7.4 | 0.3 | <0.05 | 7 | <0.5 | <0.2 |
| 1166263 | Soil | 29 | 0.51 | 342 | 0.084 | 1 | 1.11 | 0.019 | 0.19 | <0.1 | 0.03 | 3.8 | 0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1166265 | Soil | 34 | 0.62 | 375 | 0.075 | 1 | 1.80 | 0.028 | 0.17 | <0.1 | 0.06 | 6.4 | <0.1 | <0.05 | 7 | 0.8 | <0.2 |
| 1166264 | Soil | 38 | 0.95 | 417 | 0.100 | 2 | 1.69 | 0.028 | 0.31 | <0.1 | 0.04 | 8.2 | 0.2 | 0.05 | 6 | <0.5 | <0.2 |
| 1166266 | Soil | 36 | 0.72 | 366 | 0.046 | 2 | 1.96 | 0.020 | 0.23 | <0.1 | 0.04 | 5.9 | <0.1 | <0.05 | 8 | 0.8 | <0.2 |
| 1166267 | Soil | 35 | 0.63 | 430 | 0.091 | 2 | 1.69 | 0.018 | 0.16 | 0.2 | 0.06 | 6.0 | 0.2 | <0.05 | 6 | 0.7 | <0.2 |
| 1166280 | Soil | 52 | 1.67 | 195 | 0.199 | <1 | 2.60 | 0.015 | 0.99 | 0.1 | <0.01 | 8.3 | 0.4 | <0.05 | 13 | <0.5 | <0.2 |
| 1204546 | Soil | 79 | 2.25 | 958 | 0.140 | 1 | 2.99 | 0.022 | 0.93 | <0.1 | <0.01 | 14.9 | 0.2 | <0.05 | 12 | 0.7 | <0.2 |
| 1204543 | Soil | 65 | 2.85 | 992 | 0.263 | <1 | 3.60 | 0.039 | 1.39 | <0.1 | <0.01 | 11.4 | 0.3 | <0.05 | 14 | <0.5 | <0.2 |
| 1204541 | Soil | 47 | 2.22 | 708 | 0.282 | 1 | 3.19 | 0.018 | 1.07 | <0.1 | <0.01 | 9.0 | 0.3 | <0.05 | 13 | <0.5 | <0.2 |
| 1204540 | Soil | 56 | 1.52 | 490 | 0.267 | <1 | 2.13 | 0.018 | 1.16 | <0.1 | <0.01 | 3.7 | 0.4 | <0.05 | 9 | <0.5 | <0.2 |
| 1204537 | Soil | 32 | 0.76 | 237 | 0.122 | <1 | 1.79 | 0.031 | 0.14 | <0.1 | 0.02 | 4.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1204544 | Soil | 64 | 2.42 | 744 | 0.283 | 1 | 3.47 | 0.026 | 1.40 | <0.1 | <0.01 | 11.5 | 0.3 | <0.05 | 13 | 0.6 | <0.2 |
| 1204539 | Soil | 137 | 2.30 | 599 | 0.318 | <1 | 3.25 | 0.032 | 1.14 | <0.1 | 0.02 | 6.6 | 0.3 | <0.05 | 14 | <0.5 | <0.2 |
| 1204542 | Soil | 45 | 1.73 | 578 | 0.231 | 2 | 2.76 | 0.019 | 0.87 | <0.1 | 0.01 | 8.0 | 0.3 | <0.05 | 11 | <0.5 | <0.2 |
| 1204538 | Soil | 29 | 0.69 | 324 | 0.105 | 1 | 1.85 | 0.023 | 0.10 | <0.1 | 0.05 | 4.8 | 0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 1203166 | Soil | 25 | 1.56 | 411 | 0.250 | 2 | 2.40 | 0.010 | 1.20 | <0.1 | <0.01 | 6.2 | 0.4 | <0.05 | 10 | <0.5 | <0.2 |
| 1204536 | Soil | 35 | 1.18 | 276 | 0.166 | <1 | 1.88 | 0.033 | 0.44 | <0.1 | 0.02 | 6.3 | 0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 1204535 | Soil | 33 | 0.83 | 254 | 0.129 | 2 | 1.65 | 0.032 | 0.17 | 0.1 | 0.01 | 3.9 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |

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AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
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**Client:** **Selene Holdings LP**
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Project: PAN
Report Date: November 16, 2011



# CERTIFICATE OF ANALYSIS DAW11000265.1

| | 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 |
| 1203160 | Soil | 2.1 | 23.6 | 10.1 | 287 | <0.1 | 8.3 | 9.6 | 1279 | 4.98 | 3.8 | <0.5 | 10.9 | 19 | 0.3 | 0.2 | <0.1 | 53 | 0.22 | 0.031 | 20 |
| 1203159 | Soil | 1.5 | 38.1 | 14.4 | 331 | <0.1 | 9.1 | 14.4 | 1209 | 6.46 | 3.3 | <0.5 | 8.8 | 25 | 0.2 | 0.1 | 0.2 | 134 | 0.15 | 0.041 | 48 |
| 1203158 | Soil | 1.2 | 15.1 | 6.2 | 150 | <0.1 | 6.7 | 6.4 | 717 | 4.20 | 2.6 | <0.5 | 7.8 | 15 | 0.2 | 0.2 | <0.1 | 30 | 0.15 | 0.037 | 19 |
| 1203162 | Soil | 1.2 | 22.2 | 8.3 | 79 | <0.1 | 21.9 | 13.4 | 488 | 4.02 | 7.3 | <0.5 | 4.9 | 17 | <0.1 | 0.3 | 0.1 | 73 | 0.19 | 0.025 | 16 |
| 1203054 | Soil | 0.5 | 26.1 | 42.2 | 94 | <0.1 | 28.1 | 12.1 | 721 | 4.52 | 3.3 | <0.5 | 5.6 | 33 | <0.1 | 0.1 | <0.1 | 54 | 0.54 | 0.100 | 22 |
| 1203053 | Soil | 0.9 | 105.1 | 5.0 | 48 | <0.1 | 34.0 | 16.7 | 651 | 5.18 | 2.6 | 0.9 | 16.2 | 23 | <0.1 | 0.1 | <0.1 | 99 | 0.49 | 0.098 | 53 |
| 1204550 | Soil | 2.1 | 70.2 | 10.0 | 100 | <0.1 | 23.1 | 21.2 | 663 | 5.49 | 2.7 | <0.5 | 10.1 | 31 | <0.1 | 0.1 | 0.2 | 97 | 0.42 | 0.098 | 17 |
| 1204549 | Soil | 0.9 | 35.4 | 10.3 | 83 | <0.1 | 16.9 | 14.0 | 560 | 3.88 | 4.9 | <0.5 | 4.8 | 34 | <0.1 | 0.2 | 0.1 | 82 | 0.44 | 0.067 | 14 |
| 1204545 | Soil | 1.3 | 125.0 | 6.6 | 155 | <0.1 | 23.5 | 23.4 | 867 | 5.40 | 3.0 | 3.1 | 7.0 | 33 | <0.1 | 0.2 | <0.1 | 115 | 0.36 | 0.069 | 19 |
| 1203164 | Soil | 0.8 | 26.5 | 11.2 | 94 | <0.1 | 13.0 | 11.3 | 633 | 4.29 | 3.4 | <0.5 | 6.2 | 19 | <0.1 | 0.1 | <0.1 | 67 | 0.34 | 0.099 | 14 |
| 1203163 | Soil | 1.0 | 20.2 | 7.9 | 97 | <0.1 | 15.8 | 15.2 | 612 | 4.42 | 3.3 | <0.5 | 4.6 | 25 | <0.1 | 0.2 | <0.1 | 71 | 0.32 | 0.061 | 13 |
| 1203165 | Soil | 1.4 | 24.2 | 9.0 | 107 | <0.1 | 10.0 | 10.5 | 632 | 4.02 | 3.4 | 7.8 | 7.5 | 17 | <0.1 | 0.2 | <0.1 | 58 | 0.28 | 0.058 | 12 |
| 1203052 | Soil | 1.2 | 38.3 | 6.2 | 64 | <0.1 | 23.0 | 15.8 | 738 | 4.79 | 1.7 | <0.5 | 17.1 | 23 | <0.1 | <0.1 | <0.1 | 99 | 0.53 | 0.110 | 30 |
| 1203051 | Soil | 1.4 | 67.1 | 10.3 | 78 | <0.1 | 42.6 | 22.1 | 414 | 4.38 | 2.8 | <0.5 | 3.7 | 118 | <0.1 | <0.1 | <0.1 | 109 | 1.03 | 0.052 | 11 |
| 1204548 | Soil | 1.1 | 97.9 | 10.2 | 203 | <0.1 | 21.9 | 18.3 | 698 | 4.38 | 0.9 | <0.5 | 8.2 | 33 | 0.2 | <0.1 | 0.2 | 124 | 0.63 | 0.140 | 19 |
| 1204547 | Soil | 2.8 | 134.2 | 14.0 | 172 | <0.1 | 28.2 | 16.8 | 983 | 5.79 | 6.6 | 0.8 | 12.2 | 32 | 0.2 | 0.2 | 0.2 | 106 | 0.41 | 0.068 | 19 |
| 1203169 | Soil | 0.4 | 26.6 | 4.5 | 99 | <0.1 | 11.3 | 14.6 | 701 | 4.46 | 1.7 | <0.5 | 4.6 | 24 | <0.1 | <0.1 | <0.1 | 68 | 0.38 | 0.084 | 11 |
| 1090396 | Soil | 0.7 | 27.8 | 6.1 | 96 | <0.1 | 10.4 | 13.9 | 690 | 4.68 | 2.9 | <0.5 | 3.7 | 28 | <0.1 | 0.2 | <0.1 | 74 | 0.45 | 0.100 | 9 |
| 1090397 | Soil | 1.0 | 22.6 | 11.7 | 68 | <0.1 | 16.2 | 11.4 | 401 | 3.37 | 4.8 | 1.9 | 4.9 | 29 | <0.1 | 0.2 | <0.1 | 69 | 0.41 | 0.064 | 20 |
| 1203168 | Soil | 1.4 | 19.5 | 14.2 | 88 | <0.1 | 17.7 | 11.3 | 512 | 4.39 | 6.0 | 1.1 | 5.3 | 21 | <0.1 | 0.4 | 0.1 | 83 | 0.26 | 0.025 | 10 |
| 1203167 | Soil | 0.9 | 22.2 | 8.0 | 64 | <0.1 | 22.4 | 9.4 | 406 | 3.08 | 7.9 | 5.2 | 5.3 | 27 | <0.1 | 0.4 | 0.1 | 59 | 0.38 | 0.034 | 14 |
| 1167318 | Soil | 1.1 | 20.9 | 12.9 | 73 | 0.1 | 18.2 | 10.1 | 485 | 2.95 | 6.3 | 2.1 | 3.9 | 29 | 0.1 | 0.5 | 0.1 | 63 | 0.42 | 0.039 | 14 |
| 1167319 | Soil | 0.7 | 34.5 | 11.9 | 87 | <0.1 | 13.6 | 11.3 | 396 | 3.43 | 4.3 | <0.5 | 2.9 | 22 | <0.1 | 0.3 | <0.1 | 77 | 0.31 | 0.016 | 8 |
| 1167320 | Soil | 0.7 | 40.8 | 10.9 | 86 | <0.1 | 15.2 | 16.8 | 474 | 4.22 | 5.5 | 2.5 | 2.3 | 15 | <0.1 | 0.3 | <0.1 | 110 | 0.28 | 0.029 | 6 |
| 1167321 | Soil | 0.7 | 55.0 | 18.3 | 112 | <0.1 | 13.3 | 15.9 | 481 | 4.53 | 5.2 | <0.5 | 2.2 | 23 | <0.1 | 0.3 | 0.2 | 108 | 0.31 | 0.029 | 6 |
| 1167322 | Soil | 0.7 | 34.2 | 14.5 | 163 | <0.1 | 14.7 | 13.5 | 614 | 3.99 | 4.9 | 1.1 | 4.2 | 29 | 0.1 | 0.3 | 0.1 | 77 | 0.32 | 0.035 | 21 |
| 1167323 | Soil | 0.7 | 35.6 | 14.0 | 167 | <0.1 | 15.9 | 13.8 | 631 | 4.08 | 5.0 | 1.1 | 4.4 | 31 | 0.1 | 0.3 | 0.1 | 78 | 0.36 | 0.034 | 23 |
| 1167324 | Soil | 1.1 | 36.4 | 16.2 | 104 | <0.1 | 21.8 | 9.6 | 433 | 2.98 | 8.6 | 1.7 | 5.8 | 31 | <0.1 | 0.5 | 0.2 | 63 | 0.37 | 0.024 | 22 |
| 1167325 | Soil | 0.9 | 84.5 | 19.6 | 146 | <0.1 | 22.2 | 10.3 | 588 | 3.27 | 7.6 | 4.5 | 6.0 | 30 | 0.2 | 0.4 | 0.1 | 61 | 0.42 | 0.039 | 23 |
| 1167326 | Soil | 1.3 | 28.5 | 17.9 | 55 | <0.1 | 23.2 | 11.3 | 505 | 2.81 | 8.3 | 8.4 | 5.2 | 37 | <0.1 | 0.5 | 0.2 | 70 | 0.42 | 0.038 | 27 |

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AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

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

Project: PAN
Report Date: November 16, 2011



# CERTIFICATE OF ANALYSIS DAW11000265.1

| | 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 |
| 1203160 | Soil | 16 | 1.57 | 333 | 0.207 | 1 | 2.82 | 0.014 | 1.14 | 0.1 | 0.02 | 11.1 | 0.4 | <0.05 | 13 | <0.5 | <0.2 |
| 1203159 | Soil | 19 | 2.70 | 491 | 0.289 | <1 | 3.85 | 0.014 | 2.13 | <0.1 | 0.01 | 15.4 | 0.7 | 0.17 | 14 | <0.5 | <0.2 |
| 1203158 | Soil | 11 | 1.34 | 277 | 0.169 | <1 | 2.57 | 0.014 | 0.47 | <0.1 | <0.01 | 4.2 | 0.3 | <0.05 | 10 | <0.5 | <0.2 |
| 1203162 | Soil | 46 | 1.07 | 256 | 0.172 | 1 | 2.28 | 0.016 | 0.39 | 0.1 | <0.01 | 4.3 | 0.2 | <0.05 | 8 | 0.5 | <0.2 |
| 1203054 | Soil | 137 | 1.31 | 351 | 0.197 | <1 | 1.99 | 0.018 | 0.77 | <0.1 | 0.01 | 5.9 | 0.3 | <0.05 | 10 | <0.5 | <0.2 |
| 1203053 | Soil | 68 | 1.83 | 510 | 0.261 | <1 | 2.78 | 0.018 | 1.18 | <0.1 | 0.02 | 9.9 | 0.2 | <0.05 | 13 | 0.6 | <0.2 |
| 1204550 | Soil | 61 | 1.66 | 487 | 0.224 | 2 | 2.68 | 0.013 | 0.91 | <0.1 | <0.01 | 10.2 | 0.2 | <0.05 | 11 | <0.5 | <0.2 |
| 1204549 | Soil | 39 | 1.12 | 423 | 0.171 | <1 | 2.09 | 0.021 | 0.44 | 0.1 | 0.01 | 5.4 | 0.2 | <0.05 | 8 | <0.5 | <0.2 |
| 1204545 | Soil | 55 | 2.10 | 650 | 0.232 | <1 | 3.14 | 0.024 | 1.25 | <0.1 | <0.01 | 10.8 | 0.3 | <0.05 | 12 | <0.5 | <0.2 |
| 1203164 | Soil | 29 | 1.22 | 313 | 0.172 | <1 | 2.27 | 0.014 | 0.70 | 0.1 | <0.01 | 6.1 | 0.2 | <0.05 | 10 | <0.5 | <0.2 |
| 1203163 | Soil | 54 | 1.42 | 272 | 0.231 | <1 | 2.45 | 0.015 | 0.83 | 0.1 | <0.01 | 4.8 | 0.3 | <0.05 | 10 | <0.5 | <0.2 |
| 1203165 | Soil | 31 | 1.25 | 336 | 0.176 | <1 | 2.25 | 0.013 | 0.77 | <0.1 | 0.02 | 6.3 | 0.3 | <0.05 | 11 | <0.5 | <0.2 |
| 1203052 | Soil | 61 | 2.55 | 579 | 0.269 | <1 | 3.32 | 0.023 | 1.67 | <0.1 | 0.01 | 11.7 | 0.3 | <0.05 | 13 | <0.5 | <0.2 |
| 1203051 | Soil | 105 | 1.99 | 275 | 0.237 | <1 | 3.27 | 0.027 | 0.51 | <0.1 | <0.01 | 7.7 | 0.1 | <0.05 | 11 | <0.5 | <0.2 |
| 1204548 | Soil | 64 | 2.28 | 571 | 0.195 | <1 | 3.25 | 0.029 | 1.02 | <0.1 | <0.01 | 10.3 | 0.3 | <0.05 | 11 | 0.6 | <0.2 |
| 1204547 | Soil | 62 | 2.10 | 622 | 0.241 | 1 | 3.33 | 0.014 | 1.17 | <0.1 | <0.01 | 11.5 | 0.4 | <0.05 | 13 | <0.5 | <0.2 |
| 1203169 | Soil | 38 | 1.51 | 329 | 0.302 | <1 | 2.21 | 0.009 | 1.29 | <0.1 | <0.01 | 4.2 | 0.5 | <0.05 | 10 | <0.5 | <0.2 |
| 1090396 | Soil | 25 | 1.27 | 303 | 0.274 | <1 | 2.33 | 0.016 | 0.86 | <0.1 | <0.01 | 4.3 | 0.3 | <0.05 | 10 | <0.5 | <0.2 |
| 1090397 | Soil | 37 | 0.94 | 297 | 0.175 | <1 | 1.85 | 0.022 | 0.34 | 0.1 | <0.01 | 4.4 | 0.2 | <0.05 | 7 | <0.5 | <0.2 |
| 1203168 | Soil | 36 | 1.14 | 231 | 0.148 | <1 | 2.42 | 0.014 | 0.41 | 0.1 | 0.02 | 6.1 | 0.2 | <0.05 | 10 | <0.5 | <0.2 |
| 1203167 | Soil | 33 | 0.72 | 244 | 0.117 | 1 | 1.57 | 0.023 | 0.20 | 0.2 | 0.02 | 4.5 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1167318 | Soil | 31 | 0.54 | 284 | 0.080 | <1 | 1.70 | 0.021 | 0.08 | 0.1 | 0.02 | 3.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1167319 | Soil | 24 | 0.71 | 179 | 0.131 | <1 | 1.75 | 0.027 | 0.08 | <0.1 | <0.01 | 6.0 | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| 1167320 | Soil | 25 | 1.00 | 230 | 0.159 | <1 | 2.20 | 0.034 | 0.28 | 0.2 | 0.01 | 6.3 | 0.2 | <0.05 | 9 | <0.5 | <0.2 |
| 1167321 | Soil | 21 | 1.01 | 237 | 0.180 | <1 | 2.07 | 0.025 | 0.18 | <0.1 | <0.01 | 7.0 | 0.3 | <0.05 | 10 | 0.5 | <0.2 |
| 1167322 | Soil | 27 | 0.85 | 483 | 0.165 | <1 | 2.21 | 0.024 | 0.15 | 0.1 | 0.01 | 6.0 | 0.2 | <0.05 | 9 | <0.5 | <0.2 |
| 1167323 | Soil | 29 | 0.84 | 486 | 0.172 | <1 | 2.15 | 0.026 | 0.16 | 0.1 | 0.02 | 6.5 | 0.2 | <0.05 | 9 | <0.5 | <0.2 |
| 1167324 | Soil | 39 | 0.62 | 348 | 0.093 | <1 | 1.95 | 0.024 | 0.06 | 0.1 | 0.07 | 7.0 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1167325 | Soil | 35 | 0.83 | 346 | 0.105 | 1 | 1.91 | 0.022 | 0.11 | 0.1 | 0.04 | 7.4 | 0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 1167326 | Soil | 41 | 0.56 | 490 | 0.069 | 3 | 1.92 | 0.020 | 0.07 | 0.1 | 0.03 | 5.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |

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AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

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

Project: PAN
Report Date: November 16, 2011



# CERTIFICATE OF ANALYSIS DAW11000265.1

| | 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 |
| 1167328 | Soil | 1.9 | 19.4 | 15.0 | 60 | <0.1 | 14.8 | 8.5 | 411 | 3.00 | 8.2 | 3.3 | 1.9 | 18 | 0.1 | 0.5 | 0.2 | 64 | 0.16 | 0.048 | 9 |
| 1167327 | Soil | 1.2 | 36.7 | 16.1 | 71 | <0.1 | 28.4 | 11.1 | 437 | 3.23 | 9.3 | 10.4 | 6.3 | 35 | <0.1 | 0.6 | 0.2 | 82 | 0.36 | 0.021 | 38 |
| 1167317 | Soil | 1.7 | 22.6 | 13.5 | 68 | 0.2 | 17.6 | 9.3 | 474 | 2.73 | 6.3 | 2.7 | 4.5 | 30 | 0.2 | 0.5 | 0.2 | 63 | 0.31 | 0.045 | 15 |
| 1167316 | Soil | 1.7 | 25.6 | 13.2 | 78 | <0.1 | 21.5 | 8.4 | 353 | 2.63 | 8.7 | 1.4 | 5.0 | 33 | 0.2 | 0.4 | 0.2 | 65 | 0.33 | 0.045 | 34 |
| 1167315 | Soil | 2.5 | 37.7 | 20.3 | 117 | <0.1 | 27.7 | 10.6 | 565 | 3.03 | 3.8 | 2.9 | 7.3 | 30 | 0.1 | 0.2 | 0.2 | 49 | 0.38 | 0.076 | 23 |
| 1167313 | Soil | 1.1 | 29.6 | 13.1 | 64 | <0.1 | 25.5 | 10.5 | 400 | 3.03 | 6.9 | 6.4 | 7.8 | 36 | <0.1 | 0.6 | 0.1 | 66 | 0.35 | 0.020 | 27 |
| 1167312 | Soil | 1.7 | 33.8 | 24.8 | 77 | 0.2 | 24.6 | 12.1 | 502 | 3.44 | 9.4 | 3.3 | 7.0 | 30 | <0.1 | 0.6 | 0.2 | 64 | 0.34 | 0.023 | 21 |
| 1167311 | Soil | 0.7 | 23.6 | 11.7 | 47 | <0.1 | 21.0 | 7.5 | 287 | 2.38 | 7.2 | 3.4 | 5.0 | 29 | <0.1 | 0.5 | 0.1 | 57 | 0.31 | 0.044 | 20 |
| 1167309 | Soil | 2.1 | 184.6 | 118.3 | 625 | 0.4 | 18.1 | 10.3 | 432 | 3.96 | 155.5 | 99.8 | 7.1 | 25 | 0.9 | 3.0 | 0.6 | 63 | 0.23 | 0.020 | 12 |
| 1167308 | Soil | 0.8 | 36.3 | 28.4 | 118 | <0.1 | 8.8 | 6.0 | 358 | 2.48 | 11.4 | <0.5 | 5.8 | 19 | 0.2 | 0.4 | 0.2 | 36 | 0.15 | 0.011 | 8 |
| 1203092 | Soil | 0.3 | 18.2 | 22.1 | 126 | <0.1 | 7.3 | 8.7 | 515 | 3.66 | 4.1 | 1.4 | 1.2 | 39 | <0.1 | 0.6 | 0.1 | 25 | 0.35 | 0.051 | 7 |
| 1203093 | Soil | 2.9 | 31.1 | 19.3 | 107 | <0.1 | 8.9 | 4.6 | 401 | 2.24 | 30.5 | <0.5 | 5.9 | 29 | 0.2 | 0.7 | 0.3 | 34 | 0.22 | 0.019 | 9 |
| 1167303 | Soil | 1.1 | 16.1 | 26.6 | 51 | <0.1 | 19.8 | 8.4 | 325 | 2.42 | 8.0 | 0.9 | 4.9 | 28 | <0.1 | 0.6 | 0.2 | 53 | 0.29 | 0.015 | 11 |
| 1167302 | Soil | 0.7 | 40.8 | 19.2 | 116 | <0.1 | 18.3 | 10.6 | 673 | 3.27 | 5.9 | 1.8 | 6.8 | 34 | 0.2 | 0.7 | 0.2 | 64 | 0.63 | 0.047 | 28 |
| 1167301 | Soil | 1.3 | 26.1 | 19.2 | 65 | <0.1 | 20.9 | 8.8 | 497 | 2.72 | 7.0 | 0.8 | 6.6 | 27 | 0.1 | 0.6 | 0.1 | 50 | 0.28 | 0.031 | 17 |
| 1167305 | Soil | 0.8 | 27.7 | 18.7 | 50 | <0.1 | 26.8 | 10.5 | 371 | 2.54 | 9.2 | 6.7 | 5.2 | 41 | <0.1 | 0.6 | 0.2 | 61 | 0.48 | 0.021 | 15 |
| 1203091 | Soil | 1.0 | 44.0 | 22.8 | 93 | 0.2 | 24.5 | 9.1 | 596 | 2.91 | 20.6 | 5.4 | 4.8 | 33 | 0.2 | 0.8 | 0.2 | 50 | 0.48 | 0.027 | 21 |
| 1167306 | Soil | 0.7 | 28.9 | 36.3 | 68 | <0.1 | 12.1 | 6.3 | 411 | 2.47 | 5.0 | 3.9 | 8.0 | 23 | 0.1 | 0.6 | 0.2 | 40 | 0.19 | 0.017 | 28 |
| 1167314 | Soil | 0.9 | 34.8 | 14.6 | 50 | 0.1 | 22.0 | 8.0 | 358 | 2.51 | 11.1 | 5.2 | 5.7 | 30 | <0.1 | 0.6 | 0.2 | 60 | 0.41 | 0.050 | 19 |
| 1167307 | Soil | 1.3 | 33.5 | 40.4 | 71 | <0.1 | 20.4 | 8.5 | 450 | 2.29 | 4.6 | 2.6 | 5.9 | 35 | 0.1 | 0.5 | 0.2 | 52 | 0.31 | 0.020 | 35 |
| 1167304 | Soil | 1.3 | 18.1 | 23.8 | 54 | <0.1 | 22.4 | 9.1 | 353 | 2.64 | 8.3 | 2.7 | 4.6 | 25 | 0.1 | 0.6 | 0.2 | 56 | 0.28 | 0.014 | 10 |
| 1167310 | Soil | 2.3 | 188.2 | 135.2 | 678 | 0.4 | 22.8 | 10.6 | 474 | 4.13 | 166.5 | 78.9 | 7.0 | 26 | 0.8 | 3.1 | 0.6 | 65 | 0.23 | 0.020 | 12 |

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AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

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

Project: PAN
Report Date: November 16, 2011



# CERTIFICATE OF ANALYSIS DAW11000265.1

| | | 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 |
| 1167328 | Soil | | 26 | 0.38 | 183 | 0.033 | 4 | 1.93 | 0.012 | 0.05 | <0.1 | 0.02 | 3.8 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 1167327 | Soil | | 51 | 0.67 | 625 | 0.095 | 1 | 2.44 | 0.023 | 0.06 | <0.1 | 0.03 | 9.5 | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 1167317 | Soil | | 31 | 0.49 | 286 | 0.076 | 2 | 1.81 | 0.016 | 0.10 | 0.1 | 0.03 | 3.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1167316 | Soil | | 30 | 0.46 | 399 | 0.088 | 3 | 1.59 | 0.012 | 0.19 | 0.1 | <0.01 | 3.5 | 0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 1167315 | Soil | | 28 | 0.44 | 391 | 0.049 | 2 | 1.30 | 0.012 | 0.18 | <0.1 | 0.03 | 3.6 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1167313 | Soil | | 49 | 0.66 | 259 | 0.080 | 1 | 1.85 | 0.021 | 0.05 | 0.1 | 0.02 | 8.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1167312 | Soil | | 49 | 0.59 | 345 | 0.071 | 1 | 1.77 | 0.020 | 0.09 | <0.1 | 0.04 | 10.2 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1167311 | Soil | | 30 | 0.58 | 180 | 0.101 | <1 | 1.48 | 0.019 | 0.09 | 0.1 | 0.02 | 5.3 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1167309 | Soil | | 32 | 0.78 | 333 | 0.075 | 1 | 1.89 | 0.018 | 0.13 | <0.1 | 0.02 | 7.8 | 0.3 | <0.05 | 9 | <0.5 | <0.2 |
| 1167308 | Soil | | 14 | 0.38 | 187 | 0.082 | 1 | 1.14 | 0.011 | 0.19 | <0.1 | <0.01 | 6.5 | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1203092 | Soil | | 11 | 0.89 | 160 | 0.211 | <1 | 1.85 | 0.014 | 0.50 | <0.1 | 0.01 | 5.3 | 0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 1203093 | Soil | | 12 | 0.50 | 188 | 0.047 | 1 | 1.43 | 0.011 | 0.21 | <0.1 | <0.01 | 2.8 | 0.2 | <0.05 | 7 | <0.5 | <0.2 |
| 1167303 | Soil | | 35 | 0.47 | 275 | 0.056 | <1 | 1.63 | 0.015 | 0.07 | 0.1 | 0.02 | 5.4 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1167302 | Soil | | 18 | 0.83 | 320 | 0.111 | 2 | 1.60 | 0.024 | 0.34 | 0.1 | 0.04 | 6.8 | 0.2 | <0.05 | 8 | <0.5 | <0.2 |
| 1167301 | Soil | | 35 | 0.56 | 201 | 0.084 | <1 | 1.62 | 0.013 | 0.18 | 0.1 | 0.02 | 6.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1167305 | Soil | | 36 | 0.55 | 466 | 0.086 | 2 | 1.52 | 0.031 | 0.09 | 0.2 | 0.03 | 6.4 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 1203091 | Soil | | 29 | 0.56 | 202 | 0.077 | 2 | 1.44 | 0.031 | 0.08 | <0.1 | 0.07 | 7.2 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1167306 | Soil | | 20 | 0.48 | 216 | 0.079 | <1 | 1.15 | 0.016 | 0.13 | <0.1 | <0.01 | 8.9 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1167314 | Soil | | 33 | 0.57 | 184 | 0.086 | <1 | 1.44 | 0.022 | 0.07 | 0.2 | 0.02 | 5.7 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 1167307 | Soil | | 36 | 0.45 | 516 | 0.080 | 1 | 1.32 | 0.019 | 0.08 | 0.1 | 0.02 | 6.0 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1167304 | Soil | | 35 | 0.39 | 413 | 0.043 | 1 | 1.41 | 0.012 | 0.06 | 0.1 | 0.02 | 5.8 | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 1167310 | Soil | | 43 | 0.77 | 332 | 0.077 | <1 | 1.95 | 0.014 | 0.13 | <0.1 | 0.02 | 8.2 | 0.3 | 0.06 | 9 | 1.2 | <0.2 |

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AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

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

Project: PAN
Report Date: November 16, 2011



# QUALITY CONTROL REPORT DAW11000265.1

| | 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 | | | | | | | | | | | | | | | | | | | | | |
| 1203456 | Soil | 1.9 | 48.9 | 13.3 | 118 | 0.1 | 34.3 | 12.8 | 477 | 4.15 | 13.5 | 4.2 | 8.8 | 27 | 0.1 | 0.4 | 0.2 | 63 | 0.28 | 0.040 | 22 |
| REP 1203456 | QC | 1.8 | 47.7 | 13.1 | 115 | <0.1 | 32.8 | 12.3 | 454 | 4.01 | 13.2 | 1.7 | 8.9 | 27 | 0.2 | 0.4 | 0.2 | 61 | 0.27 | 0.039 | 22 |
| 1203006 | Soil | 0.7 | 21.0 | 11.9 | 68 | <0.1 | 18.3 | 11.6 | 447 | 2.85 | 5.8 | 0.8 | 2.9 | 19 | 0.1 | 0.4 | 0.1 | 65 | 0.28 | 0.062 | 12 |
| REP 1203006 | QC | 0.6 | 20.7 | 11.4 | 64 | <0.1 | 15.6 | 11.4 | 444 | 2.83 | 5.7 | 7.0 | 2.8 | 19 | 0.2 | 0.3 | 0.1 | 63 | 0.28 | 0.057 | 12 |
| 1203020 | Soil | 1.0 | 47.2 | 7.7 | 52 | <0.1 | 17.2 | 11.9 | 358 | 3.29 | 4.9 | <0.5 | 4.7 | 27 | <0.1 | 0.3 | 0.1 | 69 | 0.37 | 0.050 | 13 |
| REP 1203020 | QC | 0.9 | 46.4 | 7.5 | 52 | <0.1 | 17.6 | 11.9 | 352 | 3.21 | 5.0 | 0.6 | 4.7 | 26 | <0.1 | 0.3 | 0.1 | 67 | 0.35 | 0.048 | 13 |
| 1167377 | Soil | 1.9 | 47.4 | 20.1 | 104 | <0.1 | 25.1 | 10.4 | 330 | 4.10 | 31.3 | 1.3 | 7.3 | 29 | <0.1 | 1.2 | 0.4 | 45 | 0.16 | 0.031 | 14 |
| REP 1167377 | QC | 1.9 | 46.6 | 20.1 | 103 | <0.1 | 23.5 | 10.2 | 329 | 4.09 | 30.1 | 1.4 | 7.1 | 28 | <0.1 | 1.1 | 0.4 | 44 | 0.15 | 0.032 | 13 |
| 1166271 | Soil | 1.0 | 26.1 | 13.0 | 55 | 0.1 | 18.2 | 8.4 | 352 | 2.37 | 5.3 | 7.0 | 3.5 | 38 | 0.2 | 0.4 | 0.1 | 51 | 0.48 | 0.035 | 16 |
| REP 1166271 | QC | 0.8 | 26.0 | 12.4 | 56 | <0.1 | 18.5 | 8.4 | 353 | 2.39 | 5.9 | 2.0 | 3.5 | 39 | 0.2 | 0.3 | 0.1 | 52 | 0.47 | 0.036 | 16 |
| 1166269 | Soil | 1.8 | 31.3 | 11.5 | 79 | 0.3 | 21.7 | 8.1 | 394 | 2.59 | 8.1 | 2.5 | 7.2 | 116 | 0.1 | 0.5 | 0.2 | 69 | 0.52 | 0.038 | 41 |
| REP 1166269 | QC | 1.5 | 30.2 | 11.0 | 84 | 0.2 | 23.1 | 7.8 | 384 | 2.54 | 7.8 | 1.9 | 7.2 | 115 | 0.2 | 0.5 | 0.2 | 66 | 0.54 | 0.039 | 40 |
| 1166261 | Soil | 1.1 | 59.5 | 65.0 | 211 | <0.1 | 29.0 | 20.6 | 784 | 4.82 | 26.4 | 1.9 | 8.6 | 54 | 0.6 | 0.6 | 0.3 | 146 | 0.48 | 0.073 | 30 |
| REP 1166261 | QC | 1.3 | 60.9 | 66.2 | 212 | <0.1 | 30.2 | 21.3 | 779 | 4.93 | 26.8 | 1.1 | 8.7 | 54 | 0.5 | 0.6 | 0.3 | 147 | 0.46 | 0.075 | 30 |
| 1204549 | Soil | 0.9 | 35.4 | 10.3 | 83 | <0.1 | 16.9 | 14.0 | 560 | 3.88 | 4.9 | <0.5 | 4.8 | 34 | <0.1 | 0.2 | 0.1 | 82 | 0.44 | 0.067 | 14 |
| REP 1204549 | QC | 0.9 | 34.4 | 10.6 | 83 | <0.1 | 16.6 | 13.9 | 544 | 3.77 | 4.6 | 0.7 | 5.0 | 35 | <0.1 | 0.2 | 0.1 | 82 | 0.46 | 0.068 | 14 |
| 1167321 | Soil | 0.7 | 55.0 | 18.3 | 112 | <0.1 | 13.3 | 15.9 | 481 | 4.53 | 5.2 | <0.5 | 2.2 | 23 | <0.1 | 0.3 | 0.2 | 108 | 0.31 | 0.029 | 6 |
| REP 1167321 | QC | 0.8 | 56.3 | 18.5 | 111 | <0.1 | 14.1 | 16.3 | 499 | 4.71 | 5.1 | <0.5 | 2.1 | 23 | <0.1 | 0.3 | 0.1 | 108 | 0.29 | 0.029 | 6 |
| 1167317 | Soil | 1.7 | 22.6 | 13.5 | 68 | 0.2 | 17.6 | 9.3 | 474 | 2.73 | 6.3 | 2.7 | 4.5 | 30 | 0.2 | 0.5 | 0.2 | 63 | 0.31 | 0.045 | 15 |
| REP 1167317 | QC | 1.7 | 21.5 | 13.1 | 64 | 0.1 | 16.7 | 9.1 | 479 | 2.60 | 6.7 | 3.3 | 4.3 | 29 | 0.1 | 0.5 | 0.2 | 61 | 0.30 | 0.045 | 15 |
| 1167302 | Soil | 0.7 | 40.8 | 19.2 | 116 | <0.1 | 18.3 | 10.6 | 673 | 3.27 | 5.9 | 1.8 | 6.8 | 34 | 0.2 | 0.7 | 0.2 | 64 | 0.63 | 0.047 | 28 |
| REP 1167302 | QC | 1.0 | 41.2 | 18.7 | 115 | 0.1 | 18.4 | 10.9 | 651 | 3.28 | 5.9 | 4.1 | 6.9 | 36 | 0.1 | 0.7 | 0.2 | 63 | 0.59 | 0.050 | 28 |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | |
| STD DS8 | Standard | 13.2 | 106.1 | 116.1 | 291 | 1.7 | 36.5 | 7.8 | 587 | 2.40 | 24.3 | 117.4 | 6.3 | 64 | 2.3 | 5.0 | 5.9 | 42 | 0.69 | 0.073 | 16 |
| 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 |
| STD DS8 | Standard | 13.5 | 105.7 | 130.8 | 297 | 1.8 | 38.2 | 7.3 | 580 | 2.20 | 22.8 | 114.8 | 7.5 | 80 | 2.2 | 6.3 | 7.0 | 42 | 0.68 | 0.075 | 14 |
| STD DS8 | Standard | 12.3 | 99.6 | 116.4 | 282 | 1.8 | 34.7 | 6.8 | 559 | 2.28 | 22.7 | 111.0 | 6.2 | 64 | 2.1 | 5.1 | 6.5 | 38 | 0.59 | 0.067 | 15 |
| STD DS8 | Standard | 13.8 | 108.0 | 128.3 | 300 | 1.7 | 38.0 | 7.6 | 604 | 2.39 | 23.3 | 104.2 | 7.0 | 77 | 1.9 | 5.2 | 6.7 | 43 | 0.71 | 0.074 | 16 |

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AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

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

Project: PAN
Report Date: November 16, 2011



# QUALITY CONTROL REPORT DAW11000265.1

| | 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 | | | | | | | | | | | | | | | | | |
| 1203456 | Soil | 31 | 0.41 | 337 | 0.066 | 2 | 1.38 | 0.008 | 0.32 | <0.1 | 0.02 | 5.3 | 0.2 | <0.05 | 5 | 0.7 | <0.2 |
| REP 1203456 | QC | 30 | 0.40 | 330 | 0.068 | 2 | 1.39 | 0.009 | 0.32 | <0.1 | 0.02 | 5.3 | 0.2 | <0.05 | 5 | 0.7 | <0.2 |
| 1203006 | Soil | 31 | 0.66 | 205 | 0.104 | <1 | 1.61 | 0.012 | 0.11 | 0.2 | 0.04 | 3.6 | <0.1 | <0.05 | 6 | 0.8 | <0.2 |
| REP 1203006 | QC | 27 | 0.63 | 199 | 0.103 | 1 | 1.59 | 0.013 | 0.10 | 0.2 | 0.03 | 3.6 | <0.1 | <0.05 | 6 | 1.0 | <0.2 |
| 1203020 | Soil | 40 | 0.91 | 387 | 0.146 | <1 | 1.66 | 0.019 | 0.36 | 0.1 | 0.02 | 5.2 | 0.2 | <0.05 | 7 | 0.7 | <0.2 |
| REP 1203020 | QC | 40 | 0.89 | 368 | 0.137 | <1 | 1.64 | 0.016 | 0.34 | 0.1 | 0.02 | 4.9 | 0.2 | <0.05 | 6 | 0.9 | <0.2 |
| 1167377 | Soil | 17 | 0.16 | 260 | 0.006 | 3 | 0.82 | 0.006 | 0.09 | <0.1 | 0.02 | 5.3 | <0.1 | <0.05 | 4 | 0.7 | <0.2 |
| REP 1167377 | QC | 16 | 0.15 | 250 | 0.007 | <1 | 0.75 | 0.006 | 0.09 | <0.1 | 0.01 | 5.1 | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| 1166271 | Soil | 28 | 0.48 | 286 | 0.068 | 2 | 1.43 | 0.020 | 0.06 | 0.1 | 0.04 | 4.5 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| REP 1166271 | QC | 28 | 0.48 | 292 | 0.066 | 1 | 1.43 | 0.019 | 0.06 | 0.1 | 0.03 | 4.7 | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 1166269 | Soil | 33 | 0.49 | 331 | 0.090 | 2 | 1.72 | 0.021 | 0.20 | <0.1 | 0.03 | 3.9 | 0.1 | <0.05 | 7 | <0.5 | <0.2 |
| REP 1166269 | QC | 33 | 0.49 | 328 | 0.091 | 2 | 1.78 | 0.027 | 0.20 | <0.1 | 0.03 | 4.0 | 0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 1166261 | Soil | 64 | 1.68 | 451 | 0.249 | 1 | 2.74 | 0.021 | 0.86 | <0.1 | 0.01 | 10.3 | 0.6 | <0.05 | 11 | <0.5 | <0.2 |
| REP 1166261 | QC | 64 | 1.70 | 451 | 0.256 | 2 | 2.71 | 0.023 | 0.89 | <0.1 | 0.01 | 10.9 | 0.6 | <0.05 | 11 | <0.5 | <0.2 |
| 1204549 | Soil | 39 | 1.12 | 423 | 0.171 | <1 | 2.09 | 0.021 | 0.44 | 0.1 | 0.01 | 5.4 | 0.2 | <0.05 | 8 | <0.5 | <0.2 |
| REP 1204549 | QC | 39 | 1.20 | 417 | 0.173 | 1 | 2.15 | 0.023 | 0.46 | 0.1 | 0.02 | 5.4 | 0.2 | <0.05 | 8 | <0.5 | <0.2 |
| 1167321 | Soil | 21 | 1.01 | 237 | 0.180 | <1 | 2.07 | 0.025 | 0.18 | <0.1 | <0.01 | 7.0 | 0.3 | <0.05 | 10 | 0.5 | <0.2 |
| REP 1167321 | QC | 21 | 1.03 | 244 | 0.175 | 1 | 2.10 | 0.027 | 0.18 | <0.1 | <0.01 | 6.6 | 0.3 | <0.05 | 9 | <0.5 | <0.2 |
| 1167317 | Soil | 31 | 0.49 | 286 | 0.076 | 2 | 1.81 | 0.016 | 0.10 | 0.1 | 0.03 | 3.7 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| REP 1167317 | QC | 29 | 0.48 | 280 | 0.066 | 2 | 1.68 | 0.015 | 0.09 | 0.1 | 0.02 | 3.3 | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 1167302 | Soil | 18 | 0.83 | 320 | 0.111 | 2 | 1.60 | 0.024 | 0.34 | 0.1 | 0.04 | 6.8 | 0.2 | <0.05 | 8 | <0.5 | <0.2 |
| REP 1167302 | QC | 18 | 0.83 | 309 | 0.112 | 2 | 1.67 | 0.026 | 0.33 | <0.1 | 0.03 | 6.8 | 0.1 | <0.05 | 8 | <0.5 | <0.2 |
| Reference Materials | | | | | | | | | | | | | | | | | |
| STD DS8 | Standard | 116 | 0.59 | 273 | 0.116 | 3 | 0.92 | 0.096 | 0.41 | 2.8 | 0.20 | 2.6 | 5.2 | 0.12 | 5 | 4.6 | 4.8 |
| 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 |
| STD DS8 | Standard | 111 | 0.59 | 287 | 0.107 | 3 | 0.97 | 0.119 | 0.45 | 2.9 | 0.16 | 2.8 | 5.5 | 0.12 | 5 | 4.9 | 4.8 |
| STD DS8 | Standard | 104 | 0.56 | 258 | 0.100 | 2 | 0.83 | 0.098 | 0.38 | 2.9 | 0.18 | 2.4 | 5.2 | 0.15 | 4 | 4.6 | 4.8 |
| STD DS8 | Standard | 121 | 0.63 | 263 | 0.122 | 3 | 0.93 | 0.106 | 0.41 | 2.8 | 0.19 | 2.9 | 5.3 | 0.14 | 5 | 4.2 | 4.6 |

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AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

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

Project: PAN
Report Date: November 16, 2011



# QUALITY CONTROL REPORT DAW11000265.1

| | | 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 | 15.6 | 118.2 | 133.7 | 327 | 2.0 | 40.7 | 8.2 | 677 | 2.78 | 27.0 | 126.8 | 7.9 | 73 | 2.5 | 5.3 | 6.1 | 45 | 0.80 | 0.085 | 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 |

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AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

**Client:** **Selene Holdings LP**
885 W. Georgia Street, Suite 1380
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Project: PAN
Report Date: November 16, 2011



# QUALITY CONTROL REPORT DAW11000265.1

| | | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | Te |
| | | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm |
| | | 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 |
| STD DS8 | Standard | 129 | 0.66 | 308 | 0.136 | 3 | 1.01 | 0.109 | 0.46 | 3.0 | 0.22 | 2.6 | 6.0 | 0.16 | 5 | 5.5 | 4.9 |
| 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 |

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