



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: Underworld Resources, Inc.
1500 - 409 Granville Street
Vancouver BC V6C 1T2 Canada

Submitted By: Jodie Gibson
Receiving Lab: Canada-Vancouver
Received: August 28, 2009
Report Date: September 20, 2009
Page: 1 of 11

CERTIFICATE OF ANALYSIS

VAN09004060.1

CLIENT JOB INFORMATION

Project: MCK
Shipment ID:
P.O. Number
Number of Samples: 300

SAMPLE DISPOSAL

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

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Underworld Resources, Inc.
1500 - 409 Granville Street
Vancouver BC V6C 1T2
Canada

CC: Adrian Fleming
Rob McLeod

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|--|--------------|---------------|-----|
| SS80 | 300 | Dry at 60C sieve 100g to -80 mesh | | | VAN |
| Dry at 60C | 300 | Dry at 60C | | | VAN |
| 1DX15 | 300 | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15 | Completed | VAN |

ADDITIONAL COMMENTS



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.
** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Project: MCK
Report Date: September 20, 2009

Page: 2 of 11 Part 1

CERTIFICATE OF ANALYSIS

VAN09004060.1

| | Method Analyte Unit MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P |
| | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| MCK-51026 | Soil | 2.0 | 23.8 | 24.8 | 79 | <0.1 | 29.0 | 10.0 | 324 | 3.39 | 8.0 | 1.6 | 1.7 | 7.8 | 17 | 0.3 | 0.4 | 0.3 | 77 | 0.21 | 0.061 |
| MCK-51029 | Soil | 2.0 | 27.9 | 20.8 | 87 | 0.2 | 28.7 | 11.5 | 379 | 3.29 | 6.2 | 2.6 | 1.3 | 14.4 | 36 | 0.2 | 0.3 | 0.3 | 71 | 0.51 | 0.059 |
| MCK-51056 | Soil | 1.0 | 28.4 | 10.0 | 85 | 0.1 | 26.9 | 12.2 | 331 | 3.20 | 3.5 | 1.6 | 1.4 | 8.2 | 18 | 0.2 | 0.2 | 0.2 | 56 | 0.28 | 0.062 |
| MCK-51057 | Soil | 0.9 | 30.7 | 8.5 | 78 | 0.1 | 28.2 | 14.0 | 330 | 3.18 | 4.2 | 1.9 | 7.4 | 9.3 | 26 | 0.1 | 0.2 | 0.2 | 56 | 0.42 | 0.074 |
| MCK-51058 | Soil | 1.1 | 20.4 | 7.2 | 60 | <0.1 | 23.9 | 10.4 | 220 | 3.08 | 5.5 | 1.3 | 3.7 | 6.8 | 21 | <0.1 | 0.2 | 0.2 | 61 | 0.24 | 0.055 |
| MCK-51059 | Soil | 1.0 | 34.1 | 7.7 | 74 | 0.1 | 45.1 | 15.6 | 277 | 3.61 | 3.5 | 2.0 | 3.6 | 8.0 | 25 | 0.1 | 0.1 | 0.2 | 72 | 0.45 | 0.113 |
| MCK-51061 | Soil | 0.7 | 79.6 | 7.0 | 58 | 0.1 | 41.8 | 18.5 | 395 | 3.07 | 4.4 | 2.4 | 6.4 | 4.9 | 26 | 0.2 | 0.3 | 0.2 | 70 | 0.96 | 0.048 |
| MCK-51068 | Soil | 0.8 | 27.2 | 8.5 | 60 | 0.1 | 21.6 | 11.0 | 248 | 2.72 | 4.9 | 1.5 | 9.3 | 4.2 | 21 | 0.2 | 0.2 | 0.2 | 56 | 0.29 | 0.052 |
| MCK-51069 | Soil | 0.8 | 27.5 | 9.1 | 67 | <0.1 | 22.9 | 11.8 | 271 | 2.79 | 4.4 | 1.4 | 1.6 | 5.4 | 24 | 0.1 | 0.3 | 0.2 | 55 | 0.32 | 0.058 |
| MCK-51099 | Soil | 0.6 | 45.5 | 4.9 | 58 | <0.1 | 22.4 | 11.6 | 284 | 3.08 | 4.6 | 0.3 | 1.3 | 1.5 | 13 | <0.1 | 0.2 | <0.1 | 86 | 0.18 | 0.034 |
| MCK-51100 | Soil | 0.8 | 32.2 | 6.3 | 62 | <0.1 | 18.1 | 12.3 | 315 | 3.33 | 6.8 | 0.4 | 0.9 | 2.2 | 17 | <0.1 | 0.3 | 0.1 | 79 | 0.21 | 0.033 |
| MCK-51101 | Soil | 0.5 | 66.1 | 5.2 | 66 | 0.2 | 32.4 | 14.6 | 286 | 2.93 | 3.2 | 0.7 | 2.5 | 1.7 | 23 | 0.1 | 0.2 | <0.1 | 73 | 0.38 | 0.061 |
| MCK-51102 | Soil | 0.6 | 45.6 | 5.7 | 57 | <0.1 | 18.3 | 10.8 | 242 | 2.79 | 4.5 | 0.3 | 2.0 | 1.2 | 15 | <0.1 | 0.2 | 0.1 | 78 | 0.21 | 0.047 |
| MCK-51104 | Soil | 0.5 | 36.2 | 4.8 | 47 | <0.1 | 11.2 | 7.4 | 146 | 2.15 | 3.6 | 0.3 | 3.6 | 0.9 | 13 | <0.1 | 0.1 | <0.1 | 55 | 0.23 | 0.061 |
| MCK-51105 | Soil | 0.4 | 34.1 | 4.7 | 41 | <0.1 | 8.8 | 5.5 | 116 | 1.86 | 3.1 | 0.5 | 3.1 | 0.7 | 13 | <0.1 | 0.1 | <0.1 | 39 | 0.18 | 0.053 |
| MCK-51106 | Soil | 0.4 | 31.0 | 4.5 | 40 | <0.1 | 9.3 | 6.1 | 116 | 1.76 | 2.7 | 0.4 | 4.1 | 0.6 | 14 | <0.1 | 0.1 | <0.1 | 41 | 0.20 | 0.046 |
| MCK-51107 | Soil | 0.3 | 28.9 | 4.7 | 39 | <0.1 | 11.2 | 6.2 | 114 | 1.75 | 2.6 | 0.5 | 3.0 | 0.7 | 15 | <0.1 | 0.1 | <0.1 | 41 | 0.18 | 0.045 |
| MCK-51108 | Soil | 0.3 | 14.0 | 4.0 | 26 | <0.1 | 7.7 | 3.5 | 85 | 1.30 | 2.2 | 0.5 | 1.4 | 0.7 | 15 | <0.1 | 0.1 | <0.1 | 22 | 0.18 | 0.039 |
| MCK-51109 | Soil | 0.4 | 9.9 | 4.3 | 21 | <0.1 | 6.8 | 2.6 | 68 | 1.17 | 2.7 | 0.6 | 1.0 | 0.6 | 13 | <0.1 | 0.1 | <0.1 | 18 | 0.15 | 0.048 |
| MCK-51110 | Soil | 0.5 | 12.4 | 4.1 | 41 | <0.1 | 16.2 | 6.9 | 150 | 1.79 | 3.3 | 0.4 | 0.9 | 1.2 | 13 | <0.1 | 0.2 | <0.1 | 42 | 0.17 | 0.036 |
| MCK-51111 | Soil | 0.9 | 17.0 | 3.9 | 47 | <0.1 | 13.9 | 7.6 | 204 | 2.15 | 3.4 | 0.4 | <0.5 | 1.4 | 13 | <0.1 | 0.2 | <0.1 | 62 | 0.16 | 0.026 |
| MCK-51112 | Soil | 1.3 | 10.3 | 5.9 | 37 | <0.1 | 11.5 | 6.9 | 216 | 2.30 | 4.5 | 0.6 | 1.7 | 2.8 | 16 | <0.1 | 0.2 | 0.2 | 68 | 0.16 | 0.028 |
| MCK-51113 | Soil | 1.7 | 14.3 | 7.2 | 58 | <0.1 | 16.5 | 11.1 | 383 | 3.16 | 6.3 | 1.3 | 2.1 | 6.2 | 20 | 0.1 | 0.3 | 0.2 | 68 | 0.26 | 0.068 |
| MCK-51114 | Soil | 1.3 | 15.0 | 7.1 | 48 | <0.1 | 16.6 | 9.4 | 367 | 3.07 | 5.5 | 1.0 | 1.6 | 4.9 | 16 | <0.1 | 0.2 | 0.2 | 67 | 0.18 | 0.053 |
| MCK-51115 | Soil | 0.9 | 19.7 | 6.9 | 52 | <0.1 | 22.2 | 11.2 | 392 | 3.12 | 8.5 | 1.0 | 1.4 | 5.8 | 24 | <0.1 | 0.4 | 0.1 | 68 | 0.26 | 0.038 |
| MCK-51116 | Soil | 1.3 | 17.4 | 7.4 | 48 | <0.1 | 17.9 | 9.6 | 359 | 3.50 | 8.5 | 0.9 | 2.9 | 4.6 | 14 | <0.1 | 0.4 | 0.2 | 58 | 0.12 | 0.043 |
| MCK-51117 | Soil | 2.6 | 20.1 | 8.2 | 45 | <0.1 | 20.7 | 9.0 | 324 | 3.17 | 9.0 | 1.3 | 1.7 | 7.1 | 22 | <0.1 | 0.5 | 0.2 | 66 | 0.19 | 0.033 |
| MCK-51118 | Soil | 1.5 | 18.3 | 5.2 | 64 | <0.1 | 10.6 | 10.8 | 619 | 3.91 | 4.5 | 1.5 | 0.8 | 8.8 | 28 | <0.1 | 0.3 | 0.1 | 62 | 0.22 | 0.062 |
| MCK-51119 | Soil | 1.4 | 18.9 | 5.7 | 70 | <0.1 | 13.1 | 9.6 | 605 | 3.63 | 5.1 | 1.5 | 2.0 | 8.9 | 21 | <0.1 | 0.3 | 0.1 | 50 | 0.22 | 0.062 |
| MCK-51120 | Soil | 1.0 | 21.6 | 7.7 | 52 | <0.1 | 18.1 | 10.2 | 434 | 2.71 | 6.6 | 1.7 | 2.6 | 9.3 | 24 | <0.1 | 0.3 | 0.1 | 54 | 0.25 | 0.036 |



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Report Date: September 20, 2009

Page: 2 of 11 **Part** 2

CERTIFICATE OF ANALYSIS

VAN09004060.1

| | Method Analyte Unit MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se |
| | | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | | 1 | 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 |
| MCK-51026 | Soil | 18 | 44 | 0.72 | 176 | 0.106 | 2 | 2.08 | 0.013 | 0.09 | 0.2 | 0.02 | 3.2 | 0.2 | <0.05 | 7 | <0.5 |
| MCK-51029 | Soil | 39 | 45 | 0.75 | 387 | 0.099 | 2 | 2.53 | 0.015 | 0.09 | 0.2 | 0.04 | 5.3 | 0.2 | <0.05 | 7 | <0.5 |
| MCK-51056 | Soil | 27 | 38 | 0.88 | 218 | 0.131 | 1 | 1.97 | 0.013 | 0.31 | <0.1 | 0.01 | 3.3 | 0.2 | <0.05 | 6 | <0.5 |
| MCK-51057 | Soil | 30 | 37 | 0.85 | 178 | 0.132 | 2 | 1.83 | 0.017 | 0.26 | 0.2 | 0.03 | 4.0 | 0.2 | <0.05 | 6 | <0.5 |
| MCK-51058 | Soil | 21 | 34 | 0.75 | 117 | 0.140 | 2 | 1.86 | 0.015 | 0.18 | 0.2 | 0.01 | 3.0 | 0.2 | <0.05 | 6 | <0.5 |
| MCK-51059 | Soil | 47 | 76 | 1.26 | 177 | 0.180 | 1 | 2.38 | 0.017 | 0.53 | <0.1 | 0.01 | 4.0 | 0.3 | <0.05 | 8 | <0.5 |
| MCK-51061 | Soil | 19 | 63 | 0.93 | 268 | 0.145 | 2 | 1.91 | 0.024 | 0.33 | 0.2 | 0.02 | 5.5 | 0.2 | <0.05 | 5 | <0.5 |
| MCK-51068 | Soil | 20 | 34 | 0.62 | 189 | 0.100 | 1 | 1.81 | 0.015 | 0.07 | 0.1 | 0.02 | 3.4 | 0.1 | <0.05 | 6 | <0.5 |
| MCK-51069 | Soil | 20 | 34 | 0.67 | 218 | 0.108 | 2 | 1.90 | 0.016 | 0.10 | 0.2 | 0.02 | 3.7 | 0.1 | <0.05 | 6 | <0.5 |
| MCK-51099 | Soil | 4 | 52 | 1.12 | 118 | 0.188 | <1 | 2.06 | 0.011 | 0.26 | <0.1 | <0.01 | 3.6 | 0.1 | <0.05 | 8 | <0.5 |
| MCK-51100 | Soil | 6 | 37 | 0.76 | 126 | 0.170 | 1 | 2.45 | 0.014 | 0.11 | 0.2 | 0.02 | 3.1 | <0.1 | <0.05 | 8 | <0.5 |
| MCK-51101 | Soil | 7 | 81 | 1.29 | 224 | 0.172 | <1 | 2.24 | 0.014 | 0.31 | 0.1 | 0.03 | 3.5 | 0.2 | <0.05 | 6 | <0.5 |
| MCK-51102 | Soil | 5 | 49 | 0.76 | 88 | 0.174 | <1 | 1.64 | 0.014 | 0.09 | 0.1 | 0.01 | 2.3 | <0.1 | <0.05 | 7 | <0.5 |
| MCK-51104 | Soil | 5 | 29 | 0.62 | 101 | 0.133 | <1 | 1.33 | 0.016 | 0.12 | 0.2 | 0.02 | 2.3 | <0.1 | <0.05 | 6 | <0.5 |
| MCK-51105 | Soil | 5 | 23 | 0.43 | 96 | 0.089 | <1 | 1.08 | 0.015 | 0.07 | 0.1 | 0.03 | 2.1 | <0.1 | <0.05 | 5 | <0.5 |
| MCK-51106 | Soil | 5 | 26 | 0.51 | 108 | 0.100 | <1 | 1.22 | 0.016 | 0.06 | 0.1 | 0.03 | 2.1 | <0.1 | <0.05 | 5 | <0.5 |
| MCK-51107 | Soil | 5 | 33 | 0.53 | 109 | 0.103 | <1 | 1.21 | 0.014 | 0.06 | <0.1 | 0.03 | 2.1 | <0.1 | <0.05 | 5 | <0.5 |
| MCK-51108 | Soil | 5 | 22 | 0.31 | 79 | 0.074 | <1 | 0.89 | 0.013 | 0.06 | 0.1 | 0.03 | 1.9 | <0.1 | 0.06 | 4 | <0.5 |
| MCK-51109 | Soil | 5 | 22 | 0.22 | 73 | 0.066 | <1 | 0.76 | 0.012 | 0.07 | 0.1 | 0.03 | 1.5 | <0.1 | 0.07 | 4 | <0.5 |
| MCK-51110 | Soil | 5 | 50 | 0.65 | 109 | 0.122 | <1 | 1.21 | 0.012 | 0.17 | 0.1 | 0.01 | 1.9 | 0.1 | <0.05 | 6 | <0.5 |
| MCK-51111 | Soil | 5 | 33 | 0.75 | 129 | 0.157 | <1 | 1.32 | 0.014 | 0.26 | 0.1 | <0.01 | 2.4 | 0.1 | <0.05 | 8 | <0.5 |
| MCK-51112 | Soil | 7 | 30 | 0.58 | 144 | 0.170 | <1 | 1.48 | 0.013 | 0.17 | 0.2 | 0.02 | 2.4 | 0.1 | <0.05 | 8 | <0.5 |
| MCK-51113 | Soil | 14 | 31 | 0.71 | 259 | 0.165 | <1 | 2.05 | 0.013 | 0.26 | 0.2 | 0.02 | 3.3 | 0.2 | <0.05 | 7 | <0.5 |
| MCK-51114 | Soil | 13 | 31 | 0.68 | 204 | 0.161 | <1 | 2.15 | 0.012 | 0.16 | 0.1 | 0.01 | 2.7 | 0.2 | <0.05 | 8 | <0.5 |
| MCK-51115 | Soil | 18 | 36 | 0.69 | 331 | 0.138 | <1 | 2.02 | 0.014 | 0.13 | 0.1 | 0.02 | 4.8 | 0.1 | <0.05 | 6 | <0.5 |
| MCK-51116 | Soil | 10 | 33 | 0.62 | 114 | 0.093 | <1 | 1.99 | 0.009 | 0.10 | 0.2 | 0.02 | 3.0 | 0.1 | <0.05 | 7 | <0.5 |
| MCK-51117 | Soil | 18 | 33 | 0.53 | 267 | 0.095 | <1 | 2.30 | 0.016 | 0.07 | 0.2 | 0.02 | 3.2 | 0.1 | 0.06 | 7 | <0.5 |
| MCK-51118 | Soil | 13 | 19 | 1.05 | 208 | 0.252 | <1 | 2.78 | 0.012 | 0.72 | 0.2 | 0.01 | 2.1 | 0.5 | <0.05 | 10 | <0.5 |
| MCK-51119 | Soil | 22 | 22 | 0.81 | 234 | 0.201 | <1 | 2.31 | 0.010 | 0.46 | 0.1 | 0.01 | 2.3 | 0.3 | <0.05 | 8 | <0.5 |
| MCK-51120 | Soil | 28 | 31 | 0.67 | 213 | 0.125 | <1 | 1.81 | 0.012 | 0.14 | 0.2 | 0.02 | 3.4 | 0.2 | <0.05 | 6 | <0.5 |



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Report Date: September 20, 2009

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| | Method | Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | | |
|-----------|--------|---------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|------|
| | | | | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P |
| | | | | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| | | | | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.1 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 |
| MCK-51121 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51122 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51123 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51124 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51125 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51126 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51127 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51128 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51129 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51258 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51259 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51262 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51267 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51269 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51270 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51271 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51274 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51275 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51283 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51284 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51285 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51286 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51287 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51288 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51289 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51290 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51291 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51292 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51293 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51294 | Soil | | | | | | | | | | | | | | | | | | | | | | | |



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CERTIFICATE OF ANALYSIS

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| | Method Analyte Unit MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se |
| | | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | | 1 | 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 |
| MCK-51121 | Soil | 17 | 34 | 0.68 | 299 | 0.124 | 1 | 1.88 | 0.014 | 0.12 | 0.1 | 0.02 | 3.4 | 0.1 | <0.05 | 6 | <0.5 |
| MCK-51122 | Soil | 15 | 34 | 0.85 | 203 | 0.170 | <1 | 2.04 | 0.014 | 0.60 | 0.1 | <0.01 | 3.6 | 0.3 | <0.05 | 6 | <0.5 |
| MCK-51123 | Soil | 22 | 40 | 1.21 | 136 | 0.187 | <1 | 2.59 | 0.008 | 0.87 | <0.1 | <0.01 | 3.4 | 0.6 | <0.05 | 8 | <0.5 |
| MCK-51124 | Soil | 16 | 43 | 0.91 | 198 | 0.146 | <1 | 2.15 | 0.021 | 0.15 | 0.1 | 0.02 | 4.6 | 0.1 | <0.05 | 6 | <0.5 |
| MCK-51125 | Soil | 28 | 64 | 1.10 | 283 | 0.160 | <1 | 1.96 | 0.022 | 0.12 | 0.2 | 0.02 | 7.6 | 0.1 | <0.05 | 7 | <0.5 |
| MCK-51126 | Soil | 12 | 34 | 0.74 | 230 | 0.134 | <1 | 1.94 | 0.016 | 0.09 | 0.1 | 0.02 | 4.2 | 0.1 | <0.05 | 5 | <0.5 |
| MCK-51127 | Soil | 13 | 34 | 1.20 | 406 | 0.190 | 1 | 2.41 | 0.017 | 0.49 | 0.1 | 0.01 | 5.5 | 0.2 | <0.05 | 7 | <0.5 |
| MCK-51128 | Soil | 5 | 26 | 0.61 | 237 | 0.077 | 2 | 2.26 | 0.014 | 0.06 | 0.2 | 0.02 | 2.7 | <0.1 | <0.05 | 6 | <0.5 |
| MCK-51129 | Soil | 7 | 27 | 1.13 | 165 | 0.163 | <1 | 2.29 | 0.019 | 0.24 | 0.1 | <0.01 | 3.1 | 0.2 | <0.05 | 6 | <0.5 |
| MCK-51258 | Soil | 29 | 43 | 0.77 | 170 | 0.103 | 1 | 2.04 | 0.011 | 0.12 | 0.2 | 0.03 | 3.5 | 0.2 | <0.05 | 6 | <0.5 |
| MCK-51259 | Soil | 27 | 163 | 1.31 | 345 | 0.151 | <1 | 2.11 | 0.013 | 0.36 | <0.1 | 0.02 | 3.2 | 0.2 | <0.05 | 7 | <0.5 |
| MCK-51262 | Soil | 22 | 50 | 0.96 | 231 | 0.131 | 1 | 2.02 | 0.012 | 0.24 | 0.1 | 0.03 | 3.5 | 0.2 | <0.05 | 7 | <0.5 |
| MCK-51267 | Soil | 40 | 75 | 1.17 | 223 | 0.174 | <1 | 2.48 | 0.014 | 0.42 | 0.1 | 0.02 | 4.3 | 0.3 | <0.05 | 8 | <0.5 |
| MCK-51269 | Soil | 43 | 37 | 0.69 | 156 | 0.134 | 1 | 1.96 | 0.011 | 0.22 | <0.1 | 0.02 | 3.4 | 0.2 | <0.05 | 8 | <0.5 |
| MCK-51270 | Soil | 22 | 39 | 0.72 | 129 | 0.130 | <1 | 1.87 | 0.012 | 0.13 | 0.2 | 0.03 | 2.8 | 0.2 | <0.05 | 7 | <0.5 |
| MCK-51271 | Soil | 29 | 45 | 0.96 | 247 | 0.140 | <1 | 2.24 | 0.014 | 0.25 | 0.2 | 0.03 | 3.8 | 0.3 | <0.05 | 7 | <0.5 |
| MCK-51274 | Soil | 30 | 25 | 0.45 | 239 | 0.062 | 1 | 1.54 | 0.014 | 0.09 | 0.2 | 0.04 | 2.4 | 0.1 | <0.05 | 7 | <0.5 |
| MCK-51275 | Soil | 89 | 24 | 0.51 | 525 | 0.055 | 1 | 1.70 | 0.016 | 0.10 | 0.1 | 0.06 | 4.4 | <0.1 | 0.05 | 6 | 0.7 |
| MCK-51283 | Soil | 15 | 39 | 0.81 | 169 | 0.161 | <1 | 2.22 | 0.011 | 0.50 | <0.1 | 0.01 | 3.3 | 0.4 | <0.05 | 7 | <0.5 |
| MCK-51284 | Soil | 32 | 35 | 0.78 | 202 | 0.161 | <1 | 2.14 | 0.010 | 0.56 | <0.1 | 0.01 | 3.5 | 0.4 | <0.05 | 6 | <0.5 |
| MCK-51285 | Soil | 34 | 34 | 0.80 | 210 | 0.163 | 1 | 2.19 | 0.010 | 0.56 | <0.1 | 0.01 | 3.7 | 0.4 | <0.05 | 6 | <0.5 |
| MCK-51286 | Soil | 34 | 55 | 1.40 | 257 | 0.179 | 1 | 3.05 | 0.013 | 0.72 | 0.1 | 0.02 | 6.8 | 0.5 | <0.05 | 9 | 0.7 |
| MCK-51287 | Soil | 15 | 45 | 0.88 | 145 | 0.150 | <1 | 2.42 | 0.011 | 0.40 | 0.1 | 0.02 | 3.9 | 0.3 | <0.05 | 7 | <0.5 |
| MCK-51288 | Soil | 16 | 56 | 0.95 | 133 | 0.145 | <1 | 2.45 | 0.012 | 0.24 | 0.1 | <0.01 | 3.7 | 0.2 | <0.05 | 8 | <0.5 |
| MCK-51289 | Soil | 13 | 52 | 1.25 | 328 | 0.194 | 1 | 2.95 | 0.013 | 0.43 | 0.1 | 0.01 | 3.5 | 0.2 | <0.05 | 9 | <0.5 |
| MCK-51290 | Soil | 11 | 40 | 0.80 | 246 | 0.113 | 1 | 2.46 | 0.014 | 0.14 | 0.1 | 0.01 | 3.5 | 0.2 | <0.05 | 8 | <0.5 |
| MCK-51291 | Soil | 29 | 43 | 0.85 | 202 | 0.140 | <1 | 2.18 | 0.014 | 0.17 | <0.1 | 0.01 | 4.2 | 0.2 | <0.05 | 6 | <0.5 |
| MCK-51292 | Soil | 11 | 45 | 0.67 | 148 | 0.106 | <1 | 2.50 | 0.013 | 0.10 | 0.1 | 0.02 | 3.8 | 0.2 | <0.05 | 7 | <0.5 |
| MCK-51293 | Soil | 29 | 52 | 1.28 | 368 | 0.220 | 1 | 2.85 | 0.014 | 0.56 | 0.2 | 0.01 | 3.8 | 0.3 | <0.05 | 8 | <0.5 |
| MCK-51294 | Soil | 14 | 41 | 0.74 | 118 | 0.167 | 1 | 2.36 | 0.010 | 0.10 | 0.1 | 0.02 | 2.8 | 0.2 | <0.05 | 8 | <0.5 |



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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Client: **Underworld Resources, Inc.**
1500 - 409 Granville Street
Vancouver BC V6C 1T2 Canada

Project: MCK
Report Date: September 20, 2009

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CERTIFICATE OF ANALYSIS

VAN09004060.1

| | Method | Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | | |
|-----------|--------|---------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|------|
| | | | | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P |
| | | | | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| | | | | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.1 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 |
| MCK-51295 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51296 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51297 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51298 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51299 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51300 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51301 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51302 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51303 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51304 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51305 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51306 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51307 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51308 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51309 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51310 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51311 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51353 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51354 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51355 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51356 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51357 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51358 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51359 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51360 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51361 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51362 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51363 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51364 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51365 | Soil | | | | | | | | | | | | | | | | | | | | | | | |



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: Underworld Resources, Inc.
1500 - 409 Granville Street
Vancouver BC V6C 1T2 Canada

Project: MCK
Report Date: September 20, 2009

Page: 4 of 11 **Part** 2

CERTIFICATE OF ANALYSIS

VAN09004060.1

| | Method Analyte Unit MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se |
| | | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | | 1 | 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 |
| MCK-51295 | Soil | 19 | 43 | 0.76 | 165 | 0.146 | 1 | 2.60 | 0.013 | 0.12 | <0.1 | 0.02 | 3.2 | 0.2 | <0.05 | 8 | <0.5 |
| MCK-51296 | Soil | 49 | 34 | 0.67 | 169 | 0.158 | 1 | 2.02 | 0.014 | 0.25 | 0.1 | 0.03 | 2.7 | 0.3 | <0.05 | 9 | <0.5 |
| MCK-51297 | Soil | 29 | 23 | 0.53 | 114 | 0.129 | <1 | 1.47 | 0.012 | 0.21 | 0.1 | 0.02 | 2.2 | 0.2 | 0.05 | 7 | <0.5 |
| MCK-51298 | Soil | 26 | 19 | 0.62 | 121 | 0.142 | 1 | 1.37 | 0.013 | 0.29 | 0.1 | 0.01 | 1.9 | 0.2 | 0.07 | 8 | <0.5 |
| MCK-51299 | Soil | 30 | 22 | 0.53 | 121 | 0.115 | <1 | 1.37 | 0.011 | 0.18 | <0.1 | 0.03 | 2.3 | 0.2 | 0.05 | 8 | 0.5 |
| MCK-51300 | Soil | 24 | 19 | 0.44 | 103 | 0.111 | <1 | 1.22 | 0.012 | 0.14 | <0.1 | 0.02 | 2.2 | 0.2 | <0.05 | 7 | <0.5 |
| MCK-51301 | Soil | 24 | 23 | 0.47 | 120 | 0.112 | <1 | 1.29 | 0.012 | 0.16 | 0.1 | 0.03 | 2.2 | 0.2 | 0.06 | 7 | <0.5 |
| MCK-51302 | Soil | 17 | 25 | 0.67 | 148 | 0.144 | <1 | 1.65 | 0.012 | 0.24 | 0.1 | 0.03 | 2.0 | 0.2 | 0.06 | 7 | <0.5 |
| MCK-51303 | Soil | 14 | 26 | 0.66 | 128 | 0.165 | <1 | 1.52 | 0.012 | 0.24 | 0.1 | 0.02 | 2.1 | 0.2 | <0.05 | 8 | <0.5 |
| MCK-51304 | Soil | 14 | 27 | 0.62 | 131 | 0.141 | <1 | 1.49 | 0.012 | 0.20 | 0.1 | 0.02 | 2.1 | 0.2 | 0.05 | 8 | <0.5 |
| MCK-51305 | Soil | 7 | 44 | 1.16 | 234 | 0.180 | <1 | 2.40 | 0.016 | 0.28 | 0.1 | 0.02 | 4.3 | 0.1 | <0.05 | 7 | <0.5 |
| MCK-51306 | Soil | 11 | 87 | 1.65 | 699 | 0.125 | <1 | 2.50 | 0.013 | 0.13 | 0.2 | 0.02 | 9.7 | <0.1 | <0.05 | 9 | <0.5 |
| MCK-51307 | Soil | 14 | 41 | 0.70 | 269 | 0.091 | <1 | 1.51 | 0.021 | 0.08 | 0.2 | 0.04 | 5.3 | <0.1 | <0.05 | 5 | <0.5 |
| MCK-51308 | Soil | 7 | 34 | 0.91 | 277 | 0.153 | <1 | 2.01 | 0.013 | 0.23 | 0.1 | 0.01 | 4.6 | <0.1 | <0.05 | 6 | <0.5 |
| MCK-51309 | Soil | 11 | 32 | 0.83 | 279 | 0.131 | 1 | 1.64 | 0.025 | 0.16 | 0.1 | 0.03 | 5.2 | <0.1 | <0.05 | 6 | <0.5 |
| MCK-51310 | Soil | 30 | 189 | 1.32 | 340 | 0.144 | <1 | 1.65 | 0.010 | 0.49 | 0.1 | <0.01 | 2.2 | 0.3 | <0.05 | 6 | <0.5 |
| MCK-51311 | Soil | 30 | 72 | 0.80 | 406 | 0.112 | 2 | 1.59 | 0.016 | 0.13 | 0.1 | 0.01 | 4.1 | 0.2 | <0.05 | 5 | <0.5 |
| MCK-51353 | Soil | 26 | 44 | 1.26 | 128 | 0.169 | <1 | 2.48 | 0.013 | 0.72 | <0.1 | <0.01 | 4.0 | 0.5 | 0.06 | 9 | <0.5 |
| MCK-51354 | Soil | 21 | 40 | 0.83 | 191 | 0.138 | <1 | 1.90 | 0.011 | 0.38 | 0.1 | 0.01 | 3.4 | 0.2 | <0.05 | 7 | <0.5 |
| MCK-51355 | Soil | 14 | 52 | 1.03 | 219 | 0.157 | <1 | 2.36 | 0.013 | 0.37 | 0.1 | <0.01 | 3.8 | 0.2 | <0.05 | 9 | <0.5 |
| MCK-51356 | Soil | 12 | 35 | 0.89 | 151 | 0.124 | <1 | 2.12 | 0.008 | 0.44 | <0.1 | 0.01 | 2.8 | 0.4 | <0.05 | 7 | <0.5 |
| MCK-51357 | Soil | 21 | 103 | 1.93 | 345 | 0.202 | 2 | 3.75 | 0.015 | 0.97 | <0.1 | 0.01 | 4.5 | 0.5 | <0.05 | 10 | 0.6 |
| MCK-51358 | Soil | 11 | 42 | 0.66 | 229 | 0.097 | 1 | 2.06 | 0.012 | 0.08 | 0.1 | 0.02 | 3.0 | <0.1 | <0.05 | 6 | <0.5 |
| MCK-51359 | Soil | 23 | 78 | 1.27 | 299 | 0.163 | <1 | 2.64 | 0.014 | 0.19 | 0.1 | 0.02 | 4.5 | 0.2 | <0.05 | 9 | <0.5 |
| MCK-51360 | Soil | 15 | 40 | 0.81 | 227 | 0.136 | <1 | 2.10 | 0.013 | 0.10 | 0.1 | <0.01 | 3.3 | 0.2 | <0.05 | 7 | <0.5 |
| MCK-51361 | Soil | 12 | 30 | 0.65 | 155 | 0.135 | <1 | 2.11 | 0.009 | 0.26 | 0.1 | 0.02 | 2.4 | 0.3 | <0.05 | 8 | 0.5 |
| MCK-51362 | Soil | 24 | 16 | 0.82 | 236 | 0.217 | <1 | 2.19 | 0.012 | 0.71 | 0.1 | <0.01 | 2.2 | 0.4 | <0.05 | 8 | <0.5 |
| MCK-51363 | Soil | 20 | 21 | 0.53 | 150 | 0.119 | 1 | 1.59 | 0.010 | 0.25 | 0.1 | 0.03 | 2.3 | 0.2 | <0.05 | 8 | 0.5 |
| MCK-51364 | Soil | 32 | 19 | 0.79 | 158 | 0.159 | <1 | 1.84 | 0.010 | 0.46 | 0.2 | 0.02 | 2.2 | 0.3 | <0.05 | 9 | <0.5 |
| MCK-51365 | Soil | 21 | 9 | 0.07 | 129 | 0.018 | <1 | 0.43 | 0.016 | 0.06 | <0.1 | 0.04 | 0.9 | <0.1 | 0.11 | 2 | 0.6 |



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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1500 - 409 Granville Street
Vancouver BC V6C 1T2 Canada

Project: MCK
Report Date: September 20, 2009

Page: 5 of 11 Part 1

CERTIFICATE OF ANALYSIS

VAN09004060.1

| | Method | Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | | |
|-----------|--------|---------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|------|
| | | | | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P |
| | | | | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| | | | | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.1 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 |
| MCK-51366 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51367 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51368 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51369 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51370 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51371 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51372 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51373 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51374 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51375 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51376 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51379 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51380 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51381 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51382 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51994 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51995 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51103 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51266 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-51268 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-52034 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-52047 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-52061 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-52066 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-52194 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-52196 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-52272 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-52273 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-52274 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-52394 | Soil | | | | | | | | | | | | | | | | | | | | | | | |



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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1500 - 409 Granville Street
Vancouver BC V6C 1T2 Canada

Project: MCK
Report Date: September 20, 2009

Page: 5 of 11 **Part** 2

CERTIFICATE OF ANALYSIS

VAN09004060.1

| | Method Analyte Unit MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se |
| | | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | | 1 | 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 |
| MCK-51366 | Soil | 25 | 20 | 0.44 | 106 | 0.091 | 2 | 1.19 | 0.010 | 0.20 | 0.1 | 0.02 | 1.9 | 0.2 | <0.05 | 7 | <0.5 |
| MCK-51367 | Soil | 13 | 17 | 0.28 | 107 | 0.073 | <1 | 0.84 | 0.010 | 0.17 | <0.1 | 0.03 | 1.4 | 0.1 | <0.05 | 6 | <0.5 |
| MCK-51368 | Soil | 11 | 16 | 0.35 | 129 | 0.083 | <1 | 0.86 | 0.012 | 0.22 | 0.1 | 0.03 | 1.4 | 0.1 | <0.05 | 5 | <0.5 |
| MCK-51369 | Soil | 14 | 16 | 0.24 | 111 | 0.063 | <1 | 0.85 | 0.014 | 0.07 | 0.1 | 0.04 | 1.4 | <0.1 | 0.05 | 5 | <0.5 |
| MCK-51370 | Soil | 12 | 20 | 0.35 | 88 | 0.080 | <1 | 1.03 | 0.013 | 0.06 | 0.1 | 0.03 | 1.7 | <0.1 | <0.05 | 5 | <0.5 |
| MCK-51371 | Soil | 11 | 32 | 0.67 | 91 | 0.114 | <1 | 1.26 | 0.012 | 0.13 | 0.2 | 0.02 | 2.1 | 0.1 | <0.05 | 6 | <0.5 |
| MCK-51372 | Soil | 18 | 24 | 0.53 | 131 | 0.102 | <1 | 1.29 | 0.015 | 0.10 | 0.2 | 0.03 | 2.0 | 0.1 | <0.05 | 6 | <0.5 |
| MCK-51373 | Soil | 16 | 22 | 0.42 | 116 | 0.086 | 1 | 1.12 | 0.012 | 0.07 | 0.1 | 0.03 | 1.8 | <0.1 | <0.05 | 5 | 0.5 |
| MCK-51374 | Soil | 12 | 23 | 0.49 | 92 | 0.089 | <1 | 1.14 | 0.011 | 0.08 | 0.1 | 0.03 | 1.8 | <0.1 | <0.05 | 5 | <0.5 |
| MCK-51375 | Soil | 4 | 37 | 1.43 | 187 | 0.202 | <1 | 2.40 | 0.019 | 0.19 | <0.1 | 0.02 | 3.9 | 0.1 | <0.05 | 8 | <0.5 |
| MCK-51376 | Soil | 4 | 21 | 0.54 | 178 | 0.063 | <1 | 1.66 | 0.029 | 0.04 | <0.1 | 0.01 | 3.5 | <0.1 | <0.05 | 5 | <0.5 |
| MCK-51379 | Soil | 11 | 54 | 1.04 | 529 | 0.150 | 1 | 1.59 | 0.020 | 0.31 | 0.2 | 0.01 | 3.5 | 0.2 | <0.05 | 5 | <0.5 |
| MCK-51380 | Soil | 10 | 95 | 1.81 | 854 | 0.219 | 1 | 2.23 | 0.013 | 0.72 | <0.1 | <0.01 | 3.1 | 0.3 | <0.05 | 8 | <0.5 |
| MCK-51381 | Soil | 5 | 52 | 1.58 | 439 | 0.205 | <1 | 2.18 | 0.009 | 0.62 | 0.2 | <0.01 | 2.1 | 0.3 | <0.05 | 8 | <0.5 |
| MCK-51382 | Soil | 4 | 51 | 1.59 | 580 | 0.196 | <1 | 2.39 | 0.010 | 0.46 | 0.1 | <0.01 | 2.6 | 0.3 | <0.05 | 8 | <0.5 |
| MCK-51994 | Soil | 11 | 28 | 1.56 | 837 | 0.219 | <1 | 2.32 | 0.022 | 0.92 | <0.1 | 0.01 | 5.9 | 0.3 | <0.05 | 8 | <0.5 |
| MCK-51995 | Soil | 9 | 92 | 1.66 | 623 | 0.179 | 1 | 2.47 | 0.016 | 0.84 | 0.1 | 0.03 | 7.1 | 0.3 | <0.05 | 9 | <0.5 |
| MCK-51103 | Soil | 4 | 44 | 0.75 | 129 | 0.130 | <1 | 1.46 | 0.014 | 0.14 | 0.1 | 0.02 | 2.4 | 0.1 | <0.05 | 7 | <0.5 |
| MCK-51266 | Soil | 31 | 48 | 1.17 | 229 | 0.137 | 1 | 2.32 | 0.011 | 0.43 | 0.1 | 0.02 | 3.1 | 0.3 | <0.05 | 8 | <0.5 |
| MCK-51268 | Soil | 34 | 55 | 0.98 | 164 | 0.128 | 1 | 2.21 | 0.009 | 0.30 | 0.1 | 0.02 | 3.0 | 0.2 | <0.05 | 9 | <0.5 |
| MCK-52034 | Soil | 91 | 51 | 0.96 | 219 | 0.080 | <1 | 1.95 | 0.010 | 0.33 | 0.1 | 0.03 | 4.1 | 0.2 | <0.05 | 8 | <0.5 |
| MCK-52047 | Soil | 12 | 32 | 0.45 | 209 | 0.069 | 1 | 1.23 | 0.011 | 0.07 | 0.1 | 0.03 | 3.0 | <0.1 | 0.05 | 5 | <0.5 |
| MCK-52061 | Soil | 21 | 41 | 0.76 | 151 | 0.118 | <1 | 2.01 | 0.008 | 0.19 | 0.1 | 0.03 | 3.1 | 0.2 | <0.05 | 7 | <0.5 |
| MCK-52066 | Soil | 22 | 52 | 1.15 | 294 | 0.128 | <1 | 2.56 | 0.022 | 0.25 | 0.2 | 0.03 | 4.5 | 0.2 | <0.05 | 8 | 0.7 |
| MCK-52194 | Soil | 11 | 70 | 0.88 | 348 | 0.081 | 1 | 1.55 | 0.017 | 0.12 | 0.1 | 0.06 | 6.2 | <0.1 | <0.05 | 5 | 0.7 |
| MCK-52196 | Soil | 9 | 39 | 0.86 | 277 | 0.068 | 2 | 1.54 | 0.020 | 0.09 | 0.1 | 0.05 | 6.2 | <0.1 | <0.05 | 5 | 0.7 |
| MCK-52272 | Soil | 27 | 34 | 0.68 | 223 | 0.077 | 1 | 1.62 | 0.016 | 0.08 | 0.2 | 0.04 | 4.0 | 0.1 | <0.05 | 5 | 1.3 |
| MCK-52273 | Soil | 33 | 53 | 0.95 | 1297 | 0.096 | 2 | 1.95 | 0.013 | 0.26 | 0.2 | 0.06 | 5.8 | 0.2 | 0.10 | 6 | 1.2 |
| MCK-52274 | Soil | 103 | 40 | 0.60 | 974 | 0.067 | 2 | 1.95 | 0.013 | 0.12 | 0.1 | 0.12 | 6.3 | 0.1 | <0.05 | 6 | 2.0 |
| MCK-52394 | Soil | 17 | 37 | 0.91 | 223 | 0.117 | 1 | 1.89 | 0.013 | 0.20 | 0.1 | 0.02 | 3.2 | 0.1 | <0.05 | 7 | <0.5 |



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **Underworld Resources, Inc.**
1500 - 409 Granville Street
Vancouver BC V6C 1T2 Canada

Project: MCK
Report Date: September 20, 2009

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CERTIFICATE OF ANALYSIS

VAN09004060.1

| | Method | Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | | |
|-----------|--------|---------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|------|
| | | | | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P |
| | | | | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| | | | | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.1 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 |
| MCK-52395 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-52396 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-52397 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-52398 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-52410 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-52420 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-52421 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-52426 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-52427 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-52428 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-52430 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-52431 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-52432 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-52433 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-52434 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-52435 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-52436 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-52437 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-52438 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-52439 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-52440 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-52441 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-52442 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-52443 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-52444 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-52445 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-52446 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-52447 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-52448 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-52449 | Soil | | | | | | | | | | | | | | | | | | | | | | | |



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: Underworld Resources, Inc.
1500 - 409 Granville Street
Vancouver BC V6C 1T2 Canada

Project: MCK
Report Date: September 20, 2009

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CERTIFICATE OF ANALYSIS

VAN09004060.1

| | Method Analyte Unit MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se |
| | | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | | 1 | 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 |
| MCK-52395 | Soil | 21 | 40 | 0.88 | 223 | 0.115 | <1 | 2.06 | 0.012 | 0.22 | 0.2 | 0.03 | 4.0 | 0.2 | <0.05 | 7 | <0.5 |
| MCK-52396 | Soil | 27 | 40 | 0.87 | 206 | 0.110 | <1 | 1.96 | 0.012 | 0.19 | 0.2 | 0.02 | 4.1 | 0.2 | <0.05 | 6 | 0.6 |
| MCK-52397 | Soil | 29 | 42 | 0.88 | 220 | 0.119 | 2 | 1.95 | 0.011 | 0.26 | <0.1 | 0.03 | 4.2 | 0.2 | <0.05 | 6 | 1.0 |
| MCK-52398 | Soil | 19 | 46 | 0.90 | 195 | 0.118 | <1 | 2.17 | 0.009 | 0.29 | 0.1 | 0.02 | 3.2 | 0.3 | <0.05 | 7 | <0.5 |
| MCK-52410 | Soil | 17 | 41 | 0.86 | 216 | 0.108 | 1 | 2.06 | 0.013 | 0.32 | 0.1 | 0.03 | 3.9 | 0.2 | <0.05 | 6 | 0.9 |
| MCK-52420 | Soil | 30 | 50 | 1.08 | 208 | 0.143 | 1 | 1.96 | 0.015 | 0.51 | 0.1 | 0.02 | 4.2 | 0.3 | <0.05 | 7 | 0.7 |
| MCK-52421 | Soil | 38 | 46 | 0.98 | 255 | 0.128 | <1 | 2.09 | 0.012 | 0.32 | 0.1 | 0.04 | 4.7 | 0.3 | <0.05 | 6 | 0.9 |
| MCK-52426 | Soil | 33 | 33 | 0.94 | 258 | 0.107 | 1 | 1.84 | 0.015 | 0.42 | <0.1 | 0.03 | 3.3 | 0.2 | 0.11 | 6 | 0.7 |
| MCK-52427 | Soil | 28 | 39 | 0.94 | 173 | 0.145 | <1 | 2.17 | 0.017 | 0.52 | <0.1 | 0.01 | 3.6 | 0.4 | 0.08 | 7 | 0.8 |
| MCK-52428 | Soil | 14 | 38 | 1.12 | 249 | 0.150 | <1 | 2.28 | 0.010 | 0.72 | <0.1 | <0.01 | 3.5 | 0.3 | <0.05 | 8 | <0.5 |
| MCK-52430 | Soil | 52 | 38 | 1.04 | 212 | 0.159 | <1 | 2.18 | 0.035 | 0.87 | <0.1 | 0.01 | 3.9 | 0.5 | 0.35 | 7 | 1.0 |
| MCK-52431 | Soil | 14 | 42 | 0.84 | 305 | 0.088 | 2 | 1.96 | 0.011 | 0.13 | 0.1 | 0.03 | 3.5 | 0.1 | <0.05 | 6 | 0.8 |
| MCK-52432 | Soil | 25 | 32 | 0.63 | 160 | 0.101 | <1 | 1.97 | 0.008 | 0.26 | <0.1 | 0.02 | 3.2 | 0.2 | <0.05 | 7 | <0.5 |
| MCK-52433 | Soil | 13 | 29 | 0.46 | 148 | 0.115 | <1 | 1.84 | 0.010 | 0.13 | <0.1 | 0.02 | 2.5 | 0.2 | <0.05 | 7 | <0.5 |
| MCK-52434 | Soil | 45 | 33 | 1.12 | 223 | 0.196 | <1 | 2.20 | 0.009 | 0.72 | <0.1 | 0.01 | 3.2 | 0.5 | <0.05 | 7 | 0.7 |
| MCK-52435 | Soil | 20 | 54 | 1.09 | 192 | 0.134 | 1 | 2.45 | 0.015 | 0.22 | <0.1 | 0.02 | 3.7 | 0.3 | <0.05 | 7 | <0.5 |
| MCK-52436 | Soil | 37 | 61 | 1.77 | 215 | 0.188 | <1 | 2.87 | 0.014 | 0.75 | <0.1 | 0.01 | 5.2 | 0.4 | <0.05 | 11 | 0.6 |
| MCK-52437 | Soil | 39 | 55 | 1.54 | 217 | 0.191 | <1 | 2.61 | 0.014 | 0.60 | 0.1 | 0.02 | 5.2 | 0.3 | <0.05 | 9 | 0.8 |
| MCK-52438 | Soil | 29 | 58 | 1.19 | 230 | 0.117 | 1 | 2.01 | 0.014 | 0.34 | <0.1 | 0.03 | 4.3 | 0.2 | <0.05 | 8 | 0.9 |
| MCK-52439 | Soil | 32 | 71 | 1.64 | 189 | 0.190 | <1 | 2.60 | 0.016 | 0.52 | <0.1 | 0.02 | 4.1 | 0.4 | <0.05 | 9 | 0.5 |
| MCK-52440 | Soil | 20 | 72 | 1.31 | 177 | 0.147 | 1 | 2.37 | 0.013 | 0.23 | 0.1 | 0.01 | 4.1 | 0.2 | <0.05 | 8 | 0.7 |
| MCK-52441 | Soil | 20 | 68 | 1.25 | 184 | 0.143 | 1 | 2.34 | 0.014 | 0.25 | 0.1 | 0.01 | 3.9 | 0.2 | <0.05 | 8 | 0.6 |
| MCK-52442 | Soil | 12 | 55 | 0.98 | 88 | 0.157 | <1 | 2.11 | 0.011 | 0.08 | 0.2 | 0.02 | 3.0 | 0.2 | <0.05 | 9 | <0.5 |
| MCK-52443 | Soil | 16 | 19 | 0.21 | 139 | 0.050 | <1 | 0.87 | 0.010 | 0.07 | 0.1 | 0.04 | 1.7 | 0.1 | 0.05 | 6 | 0.6 |
| MCK-52444 | Soil | 32 | 33 | 0.70 | 164 | 0.082 | 1 | 1.55 | 0.009 | 0.11 | 0.1 | 0.03 | 2.1 | 0.1 | <0.05 | 7 | <0.5 |
| MCK-52445 | Soil | 12 | 35 | 0.56 | 229 | 0.073 | <1 | 2.00 | 0.010 | 0.06 | 0.2 | 0.02 | 2.2 | <0.1 | <0.05 | 8 | <0.5 |
| MCK-52446 | Soil | 9 | 36 | 0.62 | 249 | 0.082 | <1 | 2.15 | 0.011 | 0.07 | 0.2 | 0.02 | 2.3 | <0.1 | <0.05 | 6 | <0.5 |
| MCK-52447 | Soil | 10 | 26 | 0.38 | 136 | 0.094 | 1 | 1.32 | 0.007 | 0.08 | 0.2 | 0.03 | 2.1 | <0.1 | <0.05 | 7 | 0.7 |
| MCK-52448 | Soil | 5 | 46 | 0.89 | 203 | 0.085 | 2 | 1.69 | 0.016 | 0.24 | 0.2 | 0.02 | 4.4 | <0.1 | 0.05 | 5 | 0.6 |
| MCK-52449 | Soil | 6 | 33 | 0.74 | 162 | 0.094 | 1 | 1.53 | 0.013 | 0.09 | 0.2 | 0.01 | 2.8 | <0.1 | <0.05 | 5 | <0.5 |



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:

Underworld Resources, Inc.

1500 - 409 Granville Street

Vancouver BC V6C 1T2 Canada

Project:

MCK

Report Date:

September 20, 2009

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Part 1

CERTIFICATE OF ANALYSIS

VAN09004060.1

| | Method Analyte Unit MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|----------------------------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P |
| | | ppm 0.1 | ppm 0.1 | ppm 0.1 | ppm 1 | ppm 0.1 | ppm 0.1 | ppm 0.1 | ppm 1 | % 0.01 | ppm 0.5 | ppm 0.1 | ppb 0.5 | ppm 0.1 | ppm 1 | ppm 0.1 | ppm 0.1 | ppm 0.1 | ppm 2 | % 0.01 | % 0.001 |
| MCK-52450 | Soil | 0.7 | 92.9 | 2.5 | 73 | <0.1 | 13.4 | 17.4 | 351 | 3.37 | 3.6 | 0.3 | 2.1 | 1.2 | 19 | <0.1 | 0.1 | <0.1 | 77 | 0.45 | 0.092 |
| MCK-52451 | Soil | 0.6 | 80.9 | 6.1 | 53 | 0.2 | 36.0 | 14.8 | 413 | 2.87 | 5.0 | 1.4 | 2.2 | 3.0 | 32 | <0.1 | 0.2 | <0.1 | 69 | 0.62 | 0.068 |
| MCK-52452 | Soil | 0.5 | 34.2 | 5.2 | 60 | <0.1 | 48.3 | 21.9 | 441 | 3.62 | 2.9 | 0.5 | <0.5 | 2.4 | 29 | <0.1 | 0.1 | <0.1 | 95 | 0.49 | 0.129 |
| MCK-52453 | Soil | 1.1 | 38.3 | 9.3 | 77 | <0.1 | 75.9 | 20.7 | 463 | 4.39 | 7.8 | 0.8 | 0.5 | 4.2 | 18 | <0.1 | 0.3 | 0.1 | 125 | 0.26 | 0.052 |
| MCK-52454 | Soil | 0.8 | 17.3 | 7.1 | 58 | <0.1 | 26.1 | 8.6 | 199 | 2.09 | 3.0 | 1.0 | 3.9 | 3.5 | 16 | 0.1 | 0.1 | 0.2 | 35 | 0.28 | 0.074 |
| MCK-59613 | Soil | 1.1 | 37.7 | 9.0 | 73 | <0.1 | 68.0 | 19.3 | 445 | 4.18 | 7.4 | 0.6 | 0.7 | 3.7 | 18 | <0.1 | 0.3 | 0.1 | 108 | 0.23 | 0.044 |
| MCK-59614 | Soil | 0.8 | 21.5 | 8.2 | 63 | <0.1 | 23.8 | 10.0 | 170 | 2.70 | 5.2 | 1.0 | 2.6 | 4.5 | 16 | 0.2 | 0.2 | 0.2 | 46 | 0.26 | 0.075 |
| MCK-59615 | Soil | 0.4 | 13.1 | 7.9 | 49 | <0.1 | 18.1 | 6.2 | 94 | 2.13 | 4.8 | 0.6 | 3.8 | 2.8 | 14 | <0.1 | 0.2 | 0.2 | 43 | 0.21 | 0.048 |
| MCK-59616 | Soil | 0.7 | 18.6 | 6.9 | 58 | <0.1 | 21.3 | 8.6 | 192 | 2.10 | 4.6 | 1.2 | 2.4 | 2.4 | 26 | 0.2 | 0.3 | 0.2 | 44 | 0.55 | 0.067 |
| MCK-59617 | Soil | 0.9 | 23.1 | 7.9 | 67 | <0.1 | 27.6 | 11.8 | 436 | 2.47 | 6.0 | 2.7 | 3.8 | 3.1 | 30 | 0.2 | 0.3 | 0.2 | 52 | 0.79 | 0.070 |
| MCK-59632 | Soil | 0.9 | 24.2 | 7.9 | 56 | 0.3 | 25.4 | 7.5 | 128 | 2.10 | 2.8 | 2.0 | 1.8 | 2.9 | 21 | 0.2 | 0.1 | 0.2 | 38 | 0.29 | 0.071 |
| MCK-59676 | Soil | 1.1 | 21.1 | 9.2 | 62 | 0.1 | 24.5 | 9.3 | 199 | 2.85 | 5.7 | 1.0 | 1.3 | 4.1 | 16 | 0.1 | 0.2 | 0.2 | 62 | 0.21 | 0.044 |
| MCK-59678 | Soil | 1.1 | 36.3 | 9.4 | 81 | <0.1 | 45.2 | 15.6 | 393 | 3.51 | 3.1 | 1.4 | 2.2 | 7.6 | 23 | 0.1 | 0.1 | 0.2 | 65 | 0.52 | 0.126 |
| MCK-59679 | Soil | 1.4 | 35.4 | 6.6 | 60 | 0.2 | 48.3 | 15.9 | 471 | 3.16 | 3.8 | 1.8 | 1.5 | 3.9 | 20 | 0.2 | 0.2 | 0.2 | 102 | 0.49 | 0.095 |
| MCK-59988 | Soil | 0.9 | 26.9 | 5.9 | 56 | <0.1 | 30.2 | 11.4 | 315 | 2.92 | 6.5 | 1.1 | 7.2 | 5.5 | 24 | <0.1 | 0.3 | 0.1 | 61 | 0.35 | 0.063 |
| MCK-59991 | Soil | 0.9 | 31.5 | 7.1 | 63 | <0.1 | 29.4 | 12.7 | 386 | 3.17 | 7.2 | 1.2 | 1.6 | 7.2 | 22 | <0.1 | 0.4 | 0.2 | 67 | 0.25 | 0.031 |
| MCK-59994 | Soil | 1.1 | 30.9 | 9.6 | 85 | 0.1 | 28.9 | 11.6 | 341 | 3.94 | 7.3 | 1.0 | 1.3 | 6.5 | 17 | 0.1 | 0.4 | 0.2 | 78 | 0.11 | 0.039 |
| MCK-59995 | Soil | 0.8 | 32.4 | 7.4 | 65 | <0.1 | 30.7 | 14.6 | 310 | 3.06 | 8.4 | 0.9 | 1.9 | 6.1 | 17 | <0.1 | 0.4 | 0.2 | 58 | 0.22 | 0.048 |
| MCK-59996 | Soil | 0.7 | 33.8 | 7.1 | 60 | <0.1 | 27.2 | 11.9 | 293 | 2.79 | 7.7 | 1.5 | 2.0 | 5.5 | 17 | <0.1 | 0.3 | 0.2 | 58 | 0.23 | 0.058 |
| MCK-59997 | Soil | 0.8 | 30.0 | 8.1 | 64 | <0.1 | 27.4 | 12.4 | 256 | 2.91 | 6.5 | 1.2 | 1.2 | 4.4 | 15 | <0.1 | 0.3 | 0.2 | 55 | 0.19 | 0.052 |
| MCK-59998 | Soil | 1.0 | 29.2 | 7.3 | 60 | <0.1 | 30.9 | 11.0 | 271 | 2.91 | 6.9 | 1.7 | 2.2 | 6.8 | 17 | 0.1 | 0.3 | 0.2 | 59 | 0.24 | 0.058 |
| MCK-59999 | Soil | 1.2 | 26.9 | 6.6 | 62 | <0.1 | 42.4 | 15.0 | 339 | 3.25 | 5.4 | 1.2 | 0.8 | 4.9 | 21 | 0.1 | 0.2 | 0.2 | 71 | 0.34 | 0.097 |
| MCK-60162 | Soil | 1.1 | 16.3 | 7.4 | 61 | <0.1 | 18.6 | 9.0 | 306 | 2.40 | 5.4 | 1.9 | 9.6 | 7.8 | 28 | 0.2 | 0.3 | 0.2 | 47 | 0.74 | 0.078 |
| MCK-60172 | Soil | 1.4 | 16.8 | 8.0 | 60 | <0.1 | 17.3 | 7.5 | 243 | 2.63 | 4.9 | 1.6 | 5.9 | 6.9 | 15 | 0.1 | 0.2 | 0.2 | 44 | 0.25 | 0.087 |
| MCK-60174 | Soil | 0.9 | 10.0 | 8.4 | 48 | <0.1 | 12.0 | 5.4 | 188 | 1.94 | 5.7 | 0.7 | 1.7 | 2.5 | 15 | <0.1 | 0.2 | 0.2 | 49 | 0.26 | 0.059 |
| MCK-60217 | Soil | 1.1 | 20.7 | 7.4 | 71 | <0.1 | 29.0 | 11.8 | 527 | 3.07 | 4.0 | 1.7 | 2.3 | 7.6 | 21 | 0.1 | 0.1 | 0.1 | 60 | 0.32 | 0.084 |
| MCK-60218 | Soil | 0.9 | 16.5 | 9.3 | 68 | <0.1 | 38.0 | 10.2 | 518 | 2.70 | 4.8 | 1.2 | <0.5 | 5.6 | 17 | 0.2 | 0.2 | 0.1 | 59 | 0.23 | 0.063 |
| MCK-60219 | Soil | 0.8 | 21.7 | 8.4 | 66 | <0.1 | 47.7 | 11.2 | 418 | 2.73 | 4.8 | 1.1 | 1.0 | 7.2 | 18 | 0.2 | 0.2 | 0.1 | 53 | 0.26 | 0.061 |
| MCK-60220 | Soil | 0.8 | 19.3 | 9.5 | 57 | <0.1 | 40.2 | 9.9 | 336 | 2.89 | 5.6 | 1.3 | 1.6 | 6.6 | 19 | 0.1 | 0.2 | 0.2 | 56 | 0.27 | 0.053 |
| MCK-60221 | Soil | 1.4 | 23.6 | 9.0 | 69 | <0.1 | 58.8 | 12.5 | 461 | 2.97 | 6.1 | 1.7 | 1.6 | 6.9 | 20 | 0.2 | 0.2 | 0.2 | 62 | 0.27 | 0.059 |



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **Underworld Resources, Inc.**
1500 - 409 Granville Street
Vancouver BC V6C 1T2 Canada

Project: MCK
Report Date: September 20, 2009

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CERTIFICATE OF ANALYSIS

VAN09004060.1

| | Method Analyte Unit MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se |
| | | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | | 1 | 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 |
| MCK-52450 | Soil | 4 | 26 | 1.06 | 183 | 0.120 | <1 | 1.74 | 0.016 | 0.31 | <0.1 | 0.02 | 3.1 | <0.1 | <0.05 | 7 | 0.5 |
| MCK-52451 | Soil | 16 | 64 | 1.14 | 692 | 0.121 | 1 | 1.75 | 0.015 | 0.19 | 0.1 | 0.05 | 4.8 | 0.1 | <0.05 | 6 | 0.7 |
| MCK-52452 | Soil | 9 | 104 | 2.00 | 1019 | 0.213 | 2 | 2.28 | 0.011 | 0.99 | 0.1 | 0.01 | 2.5 | 0.3 | <0.05 | 8 | <0.5 |
| MCK-52453 | Soil | 8 | 138 | 1.96 | 700 | 0.227 | <1 | 2.74 | 0.012 | 0.74 | 0.1 | 0.01 | 4.5 | 0.3 | <0.05 | 11 | 0.5 |
| MCK-52454 | Soil | 19 | 35 | 0.68 | 139 | 0.077 | 2 | 1.43 | 0.010 | 0.18 | 0.1 | 0.04 | 2.6 | 0.2 | 0.07 | 6 | 1.0 |
| MCK-59613 | Soil | 8 | 126 | 1.78 | 626 | 0.209 | 1 | 2.66 | 0.011 | 0.62 | 0.1 | 0.01 | 4.1 | 0.2 | <0.05 | 11 | 0.7 |
| MCK-59614 | Soil | 19 | 35 | 0.70 | 130 | 0.080 | <1 | 1.57 | 0.009 | 0.19 | 0.1 | 0.04 | 2.9 | 0.2 | <0.05 | 6 | 1.1 |
| MCK-59615 | Soil | 12 | 30 | 0.58 | 84 | 0.079 | <1 | 1.37 | 0.009 | 0.09 | 0.2 | 0.04 | 2.3 | 0.1 | <0.05 | 5 | 0.6 |
| MCK-59616 | Soil | 13 | 30 | 0.45 | 350 | 0.057 | 1 | 1.32 | 0.013 | 0.06 | 0.2 | 0.03 | 3.0 | <0.1 | 0.07 | 5 | 0.9 |
| MCK-59617 | Soil | 14 | 38 | 0.66 | 415 | 0.062 | 2 | 1.35 | 0.013 | 0.08 | 0.2 | 0.04 | 3.4 | <0.1 | 0.07 | 5 | 1.2 |
| MCK-59632 | Soil | 30 | 40 | 0.65 | 186 | 0.072 | <1 | 1.56 | 0.011 | 0.14 | <0.1 | 0.04 | 3.2 | 0.2 | <0.05 | 6 | 0.9 |
| MCK-59676 | Soil | 31 | 33 | 0.51 | 181 | 0.105 | 1 | 1.71 | 0.010 | 0.19 | 0.1 | 0.03 | 2.5 | 0.2 | <0.05 | 7 | 0.6 |
| MCK-59678 | Soil | 30 | 59 | 1.21 | 296 | 0.142 | <1 | 2.24 | 0.009 | 0.46 | 0.1 | 0.02 | 4.0 | 0.3 | <0.05 | 8 | 0.9 |
| MCK-59679 | Soil | 23 | 79 | 1.23 | 379 | 0.134 | <1 | 2.10 | 0.012 | 0.37 | 0.2 | 0.03 | 5.8 | 0.3 | <0.05 | 8 | 0.7 |
| MCK-59988 | Soil | 24 | 38 | 0.78 | 182 | 0.101 | <1 | 1.74 | 0.011 | 0.16 | 0.1 | 0.03 | 4.3 | 0.2 | <0.05 | 5 | 0.9 |
| MCK-59991 | Soil | 18 | 40 | 0.79 | 231 | 0.117 | 1 | 2.05 | 0.012 | 0.18 | 0.1 | 0.01 | 5.3 | 0.2 | <0.05 | 6 | 0.9 |
| MCK-59994 | Soil | 22 | 50 | 1.00 | 239 | 0.135 | <1 | 2.44 | 0.011 | 0.39 | <0.1 | 0.02 | 4.1 | 0.2 | 0.16 | 9 | 0.9 |
| MCK-59995 | Soil | 18 | 34 | 0.70 | 191 | 0.094 | <1 | 2.19 | 0.009 | 0.14 | 0.1 | 0.03 | 3.7 | 0.2 | <0.05 | 6 | 1.0 |
| MCK-59996 | Soil | 41 | 31 | 0.56 | 198 | 0.082 | 1 | 1.74 | 0.009 | 0.14 | 0.1 | 0.02 | 3.8 | 0.2 | <0.05 | 6 | 1.4 |
| MCK-59997 | Soil | 29 | 31 | 0.59 | 140 | 0.081 | 2 | 1.77 | 0.008 | 0.20 | 0.1 | 0.03 | 2.8 | 0.2 | <0.05 | 6 | 0.5 |
| MCK-59998 | Soil | 29 | 33 | 0.74 | 164 | 0.100 | 1 | 1.99 | 0.010 | 0.18 | 0.1 | 0.02 | 3.5 | 0.2 | <0.05 | 6 | 0.8 |
| MCK-59999 | Soil | 23 | 58 | 1.06 | 168 | 0.145 | <1 | 1.99 | 0.009 | 0.38 | 0.1 | 0.01 | 3.4 | 0.3 | 0.05 | 7 | <0.5 |
| MCK-60162 | Soil | 20 | 28 | 0.49 | 283 | 0.074 | 2 | 1.26 | 0.014 | 0.13 | 0.2 | 0.03 | 3.4 | 0.2 | 0.05 | 5 | 1.1 |
| MCK-60172 | Soil | 28 | 26 | 0.42 | 140 | 0.089 | <1 | 1.31 | 0.009 | 0.27 | 0.2 | 0.02 | 2.3 | 0.2 | <0.05 | 6 | 0.7 |
| MCK-60174 | Soil | 9 | 26 | 0.37 | 127 | 0.071 | 1 | 1.12 | 0.009 | 0.08 | 0.1 | 0.03 | 2.1 | 0.1 | <0.05 | 6 | 0.8 |
| MCK-60217 | Soil | 31 | 41 | 0.91 | 318 | 0.130 | 1 | 1.66 | 0.010 | 0.37 | 0.1 | 0.02 | 2.6 | 0.3 | <0.05 | 6 | 0.7 |
| MCK-60218 | Soil | 18 | 41 | 0.65 | 254 | 0.117 | <1 | 1.37 | 0.008 | 0.24 | 0.2 | 0.02 | 2.2 | 0.2 | <0.05 | 7 | <0.5 |
| MCK-60219 | Soil | 16 | 40 | 0.75 | 219 | 0.108 | <1 | 1.58 | 0.009 | 0.21 | 0.2 | 0.01 | 2.3 | 0.2 | <0.05 | 6 | 0.6 |
| MCK-60220 | Soil | 25 | 42 | 0.74 | 332 | 0.082 | 1 | 1.67 | 0.009 | 0.16 | 0.2 | 0.02 | 3.3 | 0.2 | <0.05 | 5 | <0.5 |
| MCK-60221 | Soil | 22 | 55 | 0.74 | 300 | 0.103 | <1 | 1.66 | 0.013 | 0.15 | 0.2 | 0.01 | 2.9 | 0.2 | <0.05 | 6 | 0.6 |



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **Underworld Resources, Inc.**
1500 - 409 Granville Street
Vancouver BC V6C 1T2 Canada

Project: MCK
Report Date: September 20, 2009

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CERTIFICATE OF ANALYSIS

VAN09004060.1

| | Method | Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | | | |
|-----------|--------|---------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|------|
| | | | | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P |
| | | | | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| | | | | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.1 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 |
| MCK-60224 | Soil | | 1.0 | 15.1 | 5.4 | 61 | <0.1 | 76.1 | 13.1 | 514 | 2.58 | 2.5 | 1.5 | 4.1 | 9.1 | 20 | <0.1 | 0.1 | 0.1 | 45 | 0.32 | 0.059 | | |
| MCK-60225 | Soil | | 1.2 | 14.1 | 10.8 | 68 | <0.1 | 64.9 | 15.3 | 712 | 2.69 | 3.7 | 1.3 | 2.8 | 9.0 | 20 | 0.2 | 0.1 | 0.2 | 47 | 0.39 | 0.064 | | |
| MCK-60226 | Soil | | 1.0 | 16.4 | 4.0 | 49 | <0.1 | 23.2 | 9.6 | 256 | 2.53 | 1.8 | 0.8 | 2.1 | 3.5 | 19 | <0.1 | 0.1 | <0.1 | 67 | 0.37 | 0.064 | | |
| MCK-60227 | Soil | | 0.9 | 17.8 | 9.1 | 60 | <0.1 | 104.9 | 12.9 | 232 | 2.62 | 4.2 | 1.4 | 2.9 | 6.4 | 23 | 0.1 | 0.2 | 0.2 | 50 | 0.41 | 0.048 | | |
| MCK-60228 | Soil | | 1.5 | 16.5 | 12.0 | 66 | <0.1 | 121.6 | 30.3 | 1181 | 2.53 | 4.6 | 1.1 | 2.8 | 7.2 | 19 | 0.2 | 0.2 | 0.2 | 55 | 0.31 | 0.055 | | |
| MCK-60229 | Soil | | 1.3 | 20.7 | 6.0 | 50 | <0.1 | 229.9 | 25.9 | 524 | 2.79 | 3.3 | 2.1 | 2.5 | 12.6 | 21 | 0.2 | 0.2 | 0.1 | 49 | 0.37 | 0.046 | | |
| MCK-60230 | Soil | | 0.8 | 30.2 | 7.9 | 50 | <0.1 | 336.4 | 28.9 | 419 | 2.52 | 3.4 | 1.8 | 2.7 | 6.7 | 18 | <0.1 | 0.1 | 0.1 | 54 | 0.28 | 0.039 | | |
| MCK-60231 | Soil | | 0.8 | 20.7 | 6.0 | 70 | <0.1 | 193.0 | 20.1 | 465 | 3.11 | 3.8 | 1.3 | 2.9 | 7.8 | 22 | <0.1 | 0.2 | 0.1 | 64 | 0.39 | 0.072 | | |
| MCK-60232 | Soil | | 1.2 | 32.7 | 10.4 | 76 | <0.1 | 376.1 | 31.9 | 497 | 3.36 | 5.0 | 1.1 | 1.2 | 8.6 | 16 | 0.1 | 0.2 | 0.2 | 72 | 0.28 | 0.047 | | |
| MCK-60233 | Soil | | 0.3 | 14.0 | 2.3 | 34 | <0.1 | 131.8 | 18.0 | 365 | 2.77 | 1.0 | 0.5 | 0.8 | 5.6 | 20 | <0.1 | <0.1 | <0.1 | 63 | 0.62 | 0.163 | | |
| MCK-60234 | Soil | | 1.1 | 34.6 | 12.0 | 92 | <0.1 | 224.8 | 21.2 | 585 | 3.27 | 3.4 | 1.4 | 1.8 | 14.0 | 22 | 0.2 | 0.1 | 0.1 | 68 | 0.39 | 0.062 | | |
| MCK-60235 | Soil | | 2.0 | 71.0 | 94.8 | 201 | <0.1 | 110.9 | 19.3 | 901 | 4.16 | 1.8 | 2.6 | 0.8 | 11.9 | 15 | 0.4 | 0.1 | 0.3 | 95 | 0.42 | 0.111 | | |
| MCK-60236 | Soil | | 1.2 | 38.2 | 12.7 | 88 | <0.1 | 163.8 | 18.5 | 368 | 3.12 | 4.1 | 1.2 | 2.2 | 4.6 | 18 | 0.2 | 0.1 | 0.2 | 74 | 0.32 | 0.077 | | |
| MCK-60237 | Soil | | 1.3 | 51.8 | 19.0 | 120 | 0.1 | 51.7 | 17.3 | 467 | 3.69 | 3.9 | 1.7 | 1.1 | 6.9 | 21 | 0.2 | 0.2 | 0.2 | 89 | 0.37 | 0.106 | | |
| MCK-60468 | Soil | | 0.5 | 29.0 | 6.3 | 68 | <0.1 | 29.9 | 14.0 | 229 | 2.92 | 3.3 | 1.4 | 1.6 | 11.6 | 15 | <0.1 | 0.2 | 0.2 | 44 | 0.23 | 0.048 | | |
| MCK-60469 | Soil | | 0.7 | 31.4 | 8.7 | 66 | <0.1 | 32.7 | 13.1 | 201 | 2.84 | 3.9 | 1.1 | 2.0 | 9.0 | 10 | <0.1 | 0.2 | 0.2 | 44 | 0.15 | 0.033 | | |
| MCK-60470 | Soil | | 1.5 | 31.6 | 9.1 | 64 | 0.1 | 26.9 | 9.3 | 301 | 2.64 | 4.6 | 1.2 | 2.2 | 5.5 | 20 | 0.1 | 0.2 | 0.1 | 56 | 0.23 | 0.034 | | |
| MCK-60471 | Soil | | 1.6 | 42.3 | 10.3 | 102 | 0.3 | 33.8 | 11.2 | 394 | 2.83 | 4.6 | 1.3 | 1.2 | 4.7 | 23 | 0.2 | 0.2 | 0.2 | 73 | 0.20 | 0.034 | | |
| MCK-60472 | Soil | | 3.8 | 39.8 | 12.5 | 96 | 0.6 | 21.3 | 7.7 | 445 | 2.87 | 4.8 | 1.3 | 1.4 | 4.1 | 32 | 0.6 | 0.3 | 0.2 | 107 | 0.30 | 0.067 | | |
| MCK-60473 | Soil | | 1.0 | 19.6 | 11.2 | 126 | 0.6 | 31.6 | 13.7 | 796 | 3.17 | 4.9 | 0.6 | 2.0 | 3.5 | 19 | 0.7 | 0.3 | 0.2 | 63 | 0.24 | 0.065 | | |
| MCK-60474 | Soil | | 1.0 | 24.3 | 8.8 | 57 | 0.1 | 28.1 | 13.8 | 583 | 2.79 | 5.0 | 0.8 | 1.6 | 5.7 | 16 | 0.1 | 0.3 | 0.2 | 55 | 0.21 | 0.047 | | |
| MCK-60475 | Soil | | 1.4 | 42.3 | 16.1 | 88 | <0.1 | 38.2 | 12.9 | 359 | 3.63 | 4.5 | 1.5 | 1.1 | 9.9 | 18 | <0.1 | 0.3 | 0.3 | 62 | 0.14 | 0.034 | | |
| MCK-60476 | Soil | | 0.8 | 26.1 | 10.3 | 65 | <0.1 | 27.4 | 12.3 | 296 | 2.77 | 3.4 | 1.2 | 3.0 | 8.5 | 15 | <0.1 | 0.2 | 0.2 | 43 | 0.22 | 0.054 | | |
| MCK-60477 | Soil | | 0.7 | 35.8 | 12.1 | 79 | 0.1 | 37.5 | 16.2 | 455 | 3.65 | 1.3 | 2.2 | 1.4 | 15.3 | 17 | 0.1 | <0.1 | 0.2 | 53 | 0.37 | 0.077 | | |
| MCK-60478 | Soil | | 1.6 | 22.1 | 9.1 | 64 | 0.2 | 25.3 | 12.5 | 412 | 2.98 | 3.0 | 1.6 | 3.3 | 8.1 | 21 | 0.1 | 0.1 | 0.2 | 54 | 0.39 | 0.081 | | |
| MCK-60479 | Soil | | 1.8 | 32.9 | 9.5 | 85 | 0.1 | 35.5 | 22.9 | 1071 | 3.38 | 3.1 | 1.8 | 1.3 | 8.8 | 21 | 0.2 | 0.1 | 0.2 | 72 | 0.34 | 0.087 | | |
| MCK-60480 | Soil | | 0.7 | 21.7 | 6.1 | 69 | <0.1 | 26.7 | 11.3 | 254 | 2.67 | 2.8 | 1.3 | 2.2 | 7.4 | 16 | <0.1 | 0.1 | 0.2 | 50 | 0.30 | 0.074 | | |
| MCK-60481 | Soil | | 1.0 | 21.0 | 6.3 | 63 | <0.1 | 23.9 | 10.2 | 214 | 2.21 | 2.4 | 1.3 | 4.9 | 5.2 | 14 | <0.1 | <0.1 | 0.2 | 48 | 0.24 | 0.061 | | |
| MCK-60482 | Soil | | 1.1 | 22.2 | 13.2 | 68 | 0.1 | 27.7 | 12.0 | 280 | 2.74 | 3.4 | 1.4 | 2.9 | 5.5 | 17 | <0.1 | 0.1 | 0.2 | 56 | 0.26 | 0.082 | | |
| MCK-60483 | Soil | | 0.8 | 16.5 | 7.2 | 49 | <0.1 | 20.3 | 6.6 | 135 | 2.18 | 3.2 | 1.0 | 3.6 | 3.5 | 15 | <0.1 | <0.1 | 0.1 | 56 | 0.17 | 0.040 | | |



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: Underworld Resources, Inc.
1500 - 409 Granville Street
Vancouver BC V6C 1T2 Canada

Project: MCK
Report Date: September 20, 2009

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CERTIFICATE OF ANALYSIS

VAN09004060.1

| | Method Analyte Unit MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se |
| | | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | | 1 | 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 |
| MCK-60224 | Soil | 20 | 71 | 0.91 | 184 | 0.117 | <1 | 1.45 | 0.009 | 0.25 | 0.2 | 0.01 | 2.0 | 0.3 | <0.05 | 6 | <0.5 |
| MCK-60225 | Soil | 23 | 58 | 0.76 | 184 | 0.083 | <1 | 1.48 | 0.011 | 0.16 | 0.2 | 0.02 | 2.7 | 0.2 | <0.05 | 6 | <0.5 |
| MCK-60226 | Soil | 11 | 42 | 1.04 | 210 | 0.138 | 1 | 1.67 | 0.015 | 0.35 | 0.1 | <0.01 | 2.9 | 0.3 | <0.05 | 7 | <0.5 |
| MCK-60227 | Soil | 15 | 71 | 0.78 | 187 | 0.085 | <1 | 1.70 | 0.012 | 0.09 | 0.2 | 0.02 | 3.4 | 0.1 | <0.05 | 6 | <0.5 |
| MCK-60228 | Soil | 14 | 95 | 0.82 | 219 | 0.062 | 2 | 1.57 | 0.012 | 0.04 | 0.2 | 0.03 | 3.1 | 0.1 | <0.05 | 5 | 0.5 |
| MCK-60229 | Soil | 26 | 199 | 1.55 | 240 | 0.072 | 1 | 1.70 | 0.011 | 0.06 | 0.2 | 0.02 | 3.1 | 0.2 | <0.05 | 6 | <0.5 |
| MCK-60230 | Soil | 22 | 165 | 1.07 | 274 | 0.081 | 2 | 1.56 | 0.011 | 0.06 | 0.1 | 0.03 | 3.3 | 0.2 | <0.05 | 5 | <0.5 |
| MCK-60231 | Soil | 16 | 113 | 1.38 | 336 | 0.113 | 2 | 2.06 | 0.011 | 0.23 | 0.2 | 0.01 | 3.0 | 0.4 | <0.05 | 7 | <0.5 |
| MCK-60232 | Soil | 14 | 153 | 1.20 | 261 | 0.112 | 2 | 2.13 | 0.011 | 0.12 | 0.2 | 0.01 | 3.5 | 0.2 | <0.05 | 7 | <0.5 |
| MCK-60233 | Soil | 16 | 50 | 1.49 | 362 | 0.161 | <1 | 1.94 | 0.011 | 0.51 | 0.4 | <0.01 | 2.1 | 0.4 | <0.05 | 5 | <0.5 |
| MCK-60234 | Soil | 32 | 228 | 2.29 | 357 | 0.111 | <1 | 2.48 | 0.013 | 0.31 | 0.2 | 0.01 | 3.7 | 0.3 | <0.05 | 9 | <0.5 |
| MCK-60235 | Soil | 38 | 88 | 1.73 | 715 | 0.163 | <1 | 2.55 | 0.011 | 0.79 | 0.2 | <0.01 | 5.1 | 0.6 | <0.05 | 9 | <0.5 |
| MCK-60236 | Soil | 16 | 104 | 1.17 | 380 | 0.127 | 1 | 2.07 | 0.011 | 0.26 | 0.1 | 0.02 | 3.9 | 0.2 | <0.05 | 7 | <0.5 |
| MCK-60237 | Soil | 24 | 70 | 1.27 | 602 | 0.146 | 2 | 2.57 | 0.013 | 0.52 | 0.1 | <0.01 | 5.2 | 0.3 | <0.05 | 8 | <0.5 |
| MCK-60468 | Soil | 33 | 33 | 0.81 | 154 | 0.130 | 2 | 1.79 | 0.009 | 0.48 | <0.1 | 0.01 | 3.3 | 0.4 | <0.05 | 6 | <0.5 |
| MCK-60469 | Soil | 20 | 29 | 0.70 | 129 | 0.094 | <1 | 1.75 | 0.007 | 0.36 | <0.1 | 0.02 | 2.7 | 0.4 | <0.05 | 6 | <0.5 |
| MCK-60470 | Soil | 18 | 34 | 0.70 | 235 | 0.080 | <1 | 1.62 | 0.012 | 0.14 | 0.1 | 0.02 | 3.1 | 0.2 | <0.05 | 5 | <0.5 |
| MCK-60471 | Soil | 14 | 41 | 0.88 | 260 | 0.073 | 1 | 1.85 | 0.015 | 0.14 | 0.1 | 0.02 | 3.7 | 0.2 | <0.05 | 6 | <0.5 |
| MCK-60472 | Soil | 16 | 45 | 0.97 | 402 | 0.078 | 1 | 2.03 | 0.021 | 0.24 | 0.1 | <0.01 | 2.9 | 0.2 | 0.11 | 7 | 1.4 |
| MCK-60473 | Soil | 10 | 31 | 0.56 | 321 | 0.065 | 1 | 2.08 | 0.011 | 0.08 | <0.1 | 0.01 | 2.6 | 0.1 | <0.05 | 6 | <0.5 |
| MCK-60474 | Soil | 19 | 31 | 0.60 | 144 | 0.092 | <1 | 1.66 | 0.011 | 0.15 | 0.1 | 0.01 | 2.7 | 0.2 | <0.05 | 6 | <0.5 |
| MCK-60475 | Soil | 29 | 42 | 0.91 | 306 | 0.107 | 2 | 2.38 | 0.016 | 0.36 | <0.1 | 0.01 | 4.2 | 0.3 | 0.09 | 7 | 0.7 |
| MCK-60476 | Soil | 23 | 27 | 0.59 | 148 | 0.080 | <1 | 1.65 | 0.009 | 0.24 | <0.1 | <0.01 | 3.0 | 0.3 | <0.05 | 5 | <0.5 |
| MCK-60477 | Soil | 41 | 41 | 1.02 | 200 | 0.158 | <1 | 2.08 | 0.009 | 0.53 | <0.1 | 0.01 | 4.3 | 0.5 | <0.05 | 7 | <0.5 |
| MCK-60478 | Soil | 27 | 34 | 0.83 | 159 | 0.111 | <1 | 1.70 | 0.012 | 0.26 | <0.1 | 0.02 | 3.5 | 0.3 | <0.05 | 6 | <0.5 |
| MCK-60479 | Soil | 31 | 49 | 1.12 | 261 | 0.127 | <1 | 2.02 | 0.014 | 0.36 | <0.1 | 0.01 | 4.1 | 0.3 | <0.05 | 7 | 0.7 |
| MCK-60480 | Soil | 25 | 35 | 0.87 | 157 | 0.112 | <1 | 1.62 | 0.012 | 0.30 | 0.1 | <0.01 | 3.2 | 0.3 | <0.05 | 6 | <0.5 |
| MCK-60481 | Soil | 20 | 35 | 0.79 | 138 | 0.104 | 1 | 1.52 | 0.012 | 0.22 | 0.1 | 0.02 | 2.8 | 0.3 | <0.05 | 6 | <0.5 |
| MCK-60482 | Soil | 22 | 41 | 0.83 | 210 | 0.101 | 3 | 1.72 | 0.012 | 0.23 | 0.1 | 0.03 | 3.3 | 0.2 | <0.05 | 6 | <0.5 |
| MCK-60483 | Soil | 16 | 34 | 0.66 | 111 | 0.094 | 2 | 1.49 | 0.011 | 0.08 | 0.1 | 0.01 | 2.5 | 0.2 | <0.05 | 6 | <0.5 |



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **Underworld Resources, Inc.**
1500 - 409 Granville Street
Vancouver BC V6C 1T2 Canada

Project: MCK
Report Date: September 20, 2009

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CERTIFICATE OF ANALYSIS

VAN09004060.1

| | Method Analyte Unit MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|----------------------------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|------------|------------|------------|------------|----------|------------|------------|------------|----------|-----------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca |
| | | ppm 0.1 | ppm 0.1 | ppm 0.1 | ppm 1 | ppm 0.1 | ppm 0.1 | ppm 0.1 | ppm 1 | % 0.01 | ppm 0.5 | ppm 0.1 | ppb 0.5 | ppm 0.1 | ppm 1 | ppm 0.1 | ppm 0.1 | ppm 0.1 | ppm 2 | % 0.01 |
| MCK-60484 | Soil | 1.2 | 12.1 | 8.2 | 59 | <0.1 | 18.8 | 8.7 | 570 | 2.89 | 6.6 | 0.6 | 1.1 | 3.5 | 13 | <0.1 | 0.3 | 0.2 | 70 | 0.15 |
| MCK-60485 | Soil | 2.1 | 21.9 | 7.2 | 55 | <0.1 | 16.7 | 10.2 | 473 | 2.87 | 5.5 | 1.4 | 4.0 | 5.6 | 18 | <0.1 | 0.2 | 0.2 | 54 | 0.15 |
| MCK-60486 | Soil | 1.6 | 13.1 | 8.2 | 52 | <0.1 | 18.6 | 8.7 | 224 | 2.79 | 6.3 | 0.7 | 2.3 | 3.9 | 13 | <0.1 | 0.2 | 0.2 | 67 | 0.14 |
| MCK-60487 | Soil | 1.3 | 11.7 | 6.3 | 35 | <0.1 | 9.9 | 4.2 | 155 | 1.71 | 4.6 | 0.9 | 1.5 | 3.3 | 17 | <0.1 | 0.2 | 0.2 | 48 | 0.21 |
| MCK-60488 | Soil | 1.0 | 12.1 | 7.5 | 46 | <0.1 | 12.2 | 6.2 | 295 | 2.01 | 4.7 | 1.0 | 2.2 | 3.9 | 15 | 0.1 | 0.2 | 0.2 | 49 | 0.18 |
| MCK-60489 | Soil | 1.5 | 11.6 | 8.7 | 81 | <0.1 | 15.3 | 7.7 | 464 | 3.17 | 7.0 | 0.7 | 2.2 | 6.1 | 11 | <0.1 | 0.3 | 0.2 | 73 | 0.11 |
| MCK-60490 | Soil | 0.5 | 47.5 | 4.5 | 48 | <0.1 | 19.5 | 11.9 | 318 | 2.78 | 4.9 | 0.8 | 1.7 | 1.8 | 25 | <0.1 | 0.3 | <0.1 | 74 | 0.44 |
| MCK-60491 | Soil | 0.6 | 23.4 | 4.0 | 41 | <0.1 | 19.8 | 10.4 | 319 | 2.19 | 4.1 | 0.2 | 3.4 | 1.1 | 17 | <0.1 | 0.2 | <0.1 | 51 | 0.21 |
| MCK-60492 | Soil | 0.5 | 53.3 | 5.0 | 53 | <0.1 | 25.0 | 11.2 | 443 | 2.74 | 6.9 | 0.5 | 5.7 | 2.5 | 26 | <0.1 | 0.4 | 0.1 | 70 | 0.45 |
| MCK-60493 | Soil | 0.3 | 88.5 | 3.2 | 47 | <0.1 | 17.7 | 12.6 | 323 | 2.73 | 3.8 | 0.4 | 3.0 | 1.4 | 23 | <0.1 | 0.2 | <0.1 | 79 | 0.53 |
| MCK-60494 | Soil | 0.5 | 27.1 | 5.2 | 48 | 0.1 | 16.1 | 9.3 | 317 | 2.38 | 4.3 | 0.3 | 2.6 | 1.9 | 19 | <0.1 | 0.3 | <0.1 | 63 | 0.25 |
| MCK-60495 | Soil | 0.4 | 40.4 | 3.4 | 86 | <0.1 | 12.2 | 12.9 | 377 | 3.40 | 4.1 | 0.2 | <0.5 | 1.1 | 15 | <0.1 | 0.2 | <0.1 | 77 | 0.31 |
| MCK-60496 | Soil | 0.5 | 45.5 | 5.9 | 54 | <0.1 | 28.4 | 13.2 | 462 | 2.90 | 5.8 | 0.6 | 1.5 | 2.9 | 26 | <0.1 | 0.3 | <0.1 | 71 | 0.51 |
| MCK-60497 | Soil | 0.4 | 44.0 | 5.8 | 54 | <0.1 | 28.9 | 13.6 | 463 | 2.89 | 5.6 | 0.6 | 2.1 | 2.8 | 25 | <0.1 | 0.3 | <0.1 | 70 | 0.51 |
| MCK-61041 | Soil | 0.8 | 59.7 | 4.7 | 86 | <0.1 | 27.2 | 15.3 | 660 | 3.65 | 4.3 | 0.4 | 0.5 | 1.1 | 21 | <0.1 | 0.2 | <0.1 | 92 | 0.33 |
| MCK-61042 | Soil | 0.2 | 64.2 | 2.2 | 52 | <0.1 | 20.7 | 16.9 | 230 | 2.85 | 1.9 | 0.2 | <0.5 | 0.7 | 22 | <0.1 | <0.1 | <0.1 | 70 | 0.34 |
| MCK-61043 | Soil | 0.3 | 133.8 | 3.7 | 86 | <0.1 | 35.4 | 27.9 | 558 | 5.39 | 3.4 | 0.3 | 16.7 | 1.6 | 19 | <0.1 | 0.2 | <0.1 | 178 | 0.32 |
| MCK-61044 | Soil | 0.5 | 96.8 | 4.5 | 76 | <0.1 | 18.4 | 19.8 | 443 | 4.80 | 4.0 | 0.2 | <0.5 | 1.5 | 15 | <0.1 | 0.2 | <0.1 | 163 | 0.29 |
| MCK-61045 | Soil | 0.4 | 55.3 | 4.2 | 49 | <0.1 | 30.9 | 12.1 | 244 | 2.58 | 4.5 | 0.3 | 2.0 | 1.9 | 20 | <0.1 | 0.2 | <0.1 | 69 | 0.39 |
| MCK-61046 | Soil | 0.4 | 52.3 | 4.4 | 50 | <0.1 | 24.2 | 12.9 | 293 | 2.87 | 4.9 | 0.3 | 0.9 | 1.6 | 22 | <0.1 | 0.2 | <0.1 | 82 | 0.39 |
| MCK-61047 | Soil | 0.6 | 45.1 | 5.2 | 55 | <0.1 | 26.6 | 14.6 | 439 | 3.11 | 4.8 | 0.3 | 0.7 | 1.7 | 21 | <0.1 | 0.2 | <0.1 | 87 | 0.33 |
| MCK-61048 | Soil | 0.6 | 45.3 | 5.5 | 50 | <0.1 | 22.2 | 11.2 | 352 | 2.69 | 5.9 | 0.6 | 3.2 | 2.4 | 23 | <0.1 | 0.3 | <0.1 | 66 | 0.36 |
| MCK-61049 | Soil | 0.6 | 66.3 | 5.4 | 48 | 0.2 | 20.5 | 13.0 | 381 | 2.98 | 5.5 | 0.6 | 1.7 | 2.3 | 22 | <0.1 | 0.3 | 0.1 | 79 | 0.36 |
| MCK-61050 | Soil | 0.6 | 45.2 | 4.5 | 46 | 0.1 | 19.0 | 12.2 | 351 | 3.01 | 5.3 | 0.6 | 3.4 | 2.5 | 22 | <0.1 | 0.2 | <0.1 | 78 | 0.37 |
| MCK-61051 | Soil | 0.7 | 16.1 | 5.1 | 44 | <0.1 | 17.0 | 9.3 | 277 | 2.65 | 5.9 | 0.6 | 2.3 | 3.5 | 24 | <0.1 | 0.3 | 0.1 | 58 | 0.35 |
| MCK-61052 | Soil | 1.1 | 15.5 | 4.0 | 52 | <0.1 | 37.5 | 10.8 | 499 | 3.17 | 3.7 | 1.8 | <0.5 | 10.6 | 18 | <0.1 | 0.1 | 0.5 | 44 | 0.24 |
| MCK-61053 | Soil | 0.5 | 57.7 | 3.8 | 57 | <0.1 | 22.9 | 13.6 | 342 | 3.27 | 4.6 | 0.3 | <0.5 | 2.1 | 17 | <0.1 | 0.2 | <0.1 | 85 | 0.30 |
| MCK-61054 | Soil | 0.6 | 23.2 | 5.4 | 40 | <0.1 | 19.9 | 8.8 | 187 | 2.27 | 5.8 | 0.3 | <0.5 | 1.7 | 17 | <0.1 | 0.3 | <0.1 | 59 | 0.27 |
| MCK-61055 | Soil | 0.7 | 42.8 | 4.6 | 87 | <0.1 | 15.7 | 13.7 | 438 | 3.85 | 4.6 | 0.3 | <0.5 | 1.4 | 25 | <0.1 | 0.2 | <0.1 | 71 | 0.29 |
| MCK-61056 | Soil | 0.5 | 76.6 | 4.3 | 72 | <0.1 | 31.2 | 21.8 | 468 | 3.94 | 4.0 | 0.2 | 1.2 | 1.3 | 22 | <0.1 | 0.1 | <0.1 | 123 | 0.34 |



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: **Underworld Resources, Inc.**
1500 - 409 Granville Street
Vancouver BC V6C 1T2 Canada

Project: MCK
Report Date: September 20, 2009

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CERTIFICATE OF ANALYSIS

VAN09004060.1

| | Method Analyte Unit MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se |
| | | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | | 1 | 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 |
| MCK-60484 | Soil | 8 | 29 | 0.33 | 128 | 0.084 | 2 | 1.82 | 0.008 | 0.06 | 0.1 | 0.02 | 2.1 | 0.1 | <0.05 | 7 | <0.5 |
| MCK-60485 | Soil | 23 | 28 | 0.44 | 154 | 0.083 | <1 | 1.68 | 0.013 | 0.13 | 0.1 | 0.06 | 2.5 | 0.1 | <0.05 | 6 | <0.5 |
| MCK-60486 | Soil | 14 | 33 | 0.52 | 143 | 0.109 | <1 | 1.71 | 0.010 | 0.08 | 0.1 | 0.01 | 2.5 | 0.1 | <0.05 | 7 | <0.5 |
| MCK-60487 | Soil | 19 | 18 | 0.30 | 191 | 0.079 | <1 | 0.95 | 0.011 | 0.09 | 0.1 | 0.02 | 1.9 | <0.1 | <0.05 | 6 | <0.5 |
| MCK-60488 | Soil | 21 | 24 | 0.36 | 185 | 0.071 | <1 | 1.26 | 0.010 | 0.07 | 0.1 | 0.02 | 2.3 | <0.1 | <0.05 | 6 | <0.5 |
| MCK-60489 | Soil | 11 | 30 | 0.38 | 162 | 0.071 | 1 | 1.93 | 0.009 | 0.06 | 0.2 | 0.03 | 2.5 | 0.1 | <0.05 | 8 | <0.5 |
| MCK-60490 | Soil | 6 | 38 | 0.87 | 155 | 0.104 | <1 | 1.87 | 0.017 | 0.20 | 0.1 | 0.01 | 4.2 | <0.1 | <0.05 | 5 | 0.6 |
| MCK-60491 | Soil | 4 | 47 | 0.73 | 117 | 0.085 | <1 | 1.56 | 0.011 | 0.08 | 0.1 | <0.01 | 2.2 | <0.1 | <0.05 | 5 | <0.5 |
| MCK-60492 | Soil | 11 | 34 | 0.71 | 235 | 0.097 | <1 | 1.50 | 0.021 | 0.16 | 0.2 | 0.03 | 4.6 | <0.1 | <0.05 | 5 | <0.5 |
| MCK-60493 | Soil | 6 | 35 | 1.05 | 347 | 0.126 | <1 | 1.68 | 0.020 | 0.16 | <0.1 | 0.01 | 4.6 | <0.1 | <0.05 | 5 | <0.5 |
| MCK-60494 | Soil | 7 | 27 | 0.51 | 250 | 0.064 | <1 | 1.54 | 0.013 | 0.04 | <0.1 | <0.01 | 3.1 | <0.1 | <0.05 | 5 | <0.5 |
| MCK-60495 | Soil | 3 | 17 | 1.00 | 165 | 0.149 | <1 | 2.12 | 0.016 | 0.16 | <0.1 | <0.01 | 3.3 | <0.1 | <0.05 | 8 | <0.5 |
| MCK-60496 | Soil | 11 | 53 | 0.95 | 571 | 0.105 | 1 | 1.73 | 0.018 | 0.11 | 0.2 | 0.02 | 4.6 | <0.1 | <0.05 | 5 | <0.5 |
| MCK-60497 | Soil | 10 | 54 | 0.97 | 588 | 0.107 | 1 | 1.70 | 0.017 | 0.11 | 0.1 | 0.01 | 4.3 | 0.1 | <0.05 | 5 | <0.5 |
| MCK-61041 | Soil | 4 | 43 | 0.95 | 585 | 0.186 | <1 | 2.01 | 0.012 | 0.62 | <0.1 | <0.01 | 3.6 | 0.2 | <0.05 | 6 | <0.5 |
| MCK-61042 | Soil | 4 | 49 | 1.84 | 202 | 0.197 | <1 | 2.62 | 0.014 | 0.36 | <0.1 | <0.01 | 2.0 | 0.1 | <0.05 | 5 | <0.5 |
| MCK-61043 | Soil | 8 | 80 | 2.21 | 209 | 0.151 | <1 | 3.01 | 0.017 | 0.43 | <0.1 | <0.01 | 14.2 | 0.3 | <0.05 | 11 | <0.5 |
| MCK-61044 | Soil | 6 | 27 | 1.84 | 237 | 0.205 | <1 | 2.78 | 0.021 | 0.37 | <0.1 | 0.01 | 8.3 | 0.2 | <0.05 | 10 | <0.5 |
| MCK-61045 | Soil | 7 | 82 | 0.97 | 196 | 0.121 | <1 | 1.65 | 0.021 | 0.05 | <0.1 | <0.01 | 4.3 | <0.1 | <0.05 | 5 | <0.5 |
| MCK-61046 | Soil | 6 | 47 | 0.98 | 180 | 0.136 | <1 | 1.82 | 0.016 | 0.18 | <0.1 | 0.02 | 3.1 | <0.1 | <0.05 | 5 | <0.5 |
| MCK-61047 | Soil | 7 | 66 | 1.17 | 241 | 0.143 | <1 | 1.92 | 0.018 | 0.27 | <0.1 | 0.02 | 4.8 | 0.1 | <0.05 | 6 | <0.5 |
| MCK-61048 | Soil | 9 | 43 | 0.80 | 243 | 0.116 | 1 | 1.60 | 0.017 | 0.11 | 0.1 | 0.02 | 3.8 | <0.1 | <0.05 | 5 | <0.5 |
| MCK-61049 | Soil | 10 | 31 | 0.78 | 243 | 0.123 | <1 | 1.81 | 0.020 | 0.21 | 0.1 | 0.02 | 3.7 | <0.1 | <0.05 | 6 | <0.5 |
| MCK-61050 | Soil | 8 | 29 | 0.92 | 191 | 0.129 | 1 | 1.69 | 0.017 | 0.29 | 0.1 | 0.01 | 3.5 | 0.1 | <0.05 | 5 | <0.5 |
| MCK-61051 | Soil | 9 | 32 | 0.77 | 211 | 0.134 | <1 | 1.64 | 0.012 | 0.39 | 0.2 | 0.01 | 2.6 | 0.2 | <0.05 | 5 | <0.5 |
| MCK-61052 | Soil | 16 | 134 | 1.45 | 147 | 0.178 | <1 | 2.17 | 0.009 | 1.06 | 0.2 | <0.01 | 2.0 | 0.6 | <0.05 | 8 | 0.5 |
| MCK-61053 | Soil | 6 | 33 | 1.15 | 187 | 0.178 | <1 | 2.07 | 0.014 | 0.57 | <0.1 | <0.01 | 3.3 | 0.1 | <0.05 | 6 | <0.5 |
| MCK-61054 | Soil | 5 | 40 | 0.57 | 150 | 0.068 | <1 | 1.66 | 0.014 | 0.07 | <0.1 | <0.01 | 2.6 | <0.1 | <0.05 | 5 | <0.5 |
| MCK-61055 | Soil | 4 | 26 | 1.27 | 150 | 0.242 | <1 | 2.63 | 0.010 | 0.57 | <0.1 | <0.01 | 3.1 | 0.2 | <0.05 | 8 | <0.5 |
| MCK-61056 | Soil | 3 | 64 | 1.57 | 187 | 0.252 | <1 | 2.42 | 0.014 | 0.66 | <0.1 | 0.01 | 3.5 | 0.3 | <0.05 | 7 | <0.5 |



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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www.acmelab.com

Client: **Underworld Resources, Inc.**
1500 - 409 Granville Street
Vancouver BC V6C 1T2 Canada

Project: MCK
Report Date: September 20, 2009

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CERTIFICATE OF ANALYSIS

VAN09004060.1

| | | Method Analyte Unit MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | |
|-----------|------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| | | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P |
| | | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| | | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.1 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 |
| MCK-61057 | Soil | 0.8 | 30.9 | 5.8 | 42 | 0.1 | 15.8 | 10.6 | 230 | 2.46 | 3.9 | 0.5 | 1.1 | 1.6 | 20 | <0.1 | 0.2 | <0.1 | 79 | 0.30 | 0.023 | |
| MCK-61058 | Soil | 0.4 | 35.4 | 4.0 | 48 | <0.1 | 48.7 | 15.8 | 230 | 2.32 | 3.2 | 0.2 | 1.8 | 1.4 | 22 | <0.1 | 0.1 | <0.1 | 60 | 0.39 | 0.040 | |
| MCK-61059 | Soil | 0.3 | 25.8 | 5.1 | 50 | <0.1 | 13.3 | 12.3 | 234 | 2.73 | 2.6 | 0.4 | 0.5 | 1.8 | 18 | <0.1 | 0.2 | <0.1 | 80 | 0.39 | 0.043 | |
| MCK-61060 | Soil | 0.4 | 27.2 | 4.1 | 82 | <0.1 | 11.7 | 15.3 | 256 | 3.73 | 3.1 | 0.2 | <0.5 | 1.0 | 14 | <0.1 | 0.1 | <0.1 | 90 | 0.31 | 0.063 | |
| MCK-61061 | Soil | 0.6 | 24.5 | 5.0 | 58 | <0.1 | 18.6 | 12.0 | 312 | 2.98 | 5.6 | 0.4 | 2.1 | 2.4 | 23 | <0.1 | 0.3 | <0.1 | 76 | 0.39 | 0.027 | |
| MCK-61062 | Soil | 0.6 | 29.2 | 6.9 | 53 | <0.1 | 30.9 | 15.3 | 391 | 3.08 | 4.9 | 0.6 | 5.8 | 3.3 | 32 | <0.1 | 0.3 | <0.1 | 81 | 0.46 | 0.070 | |
| MCK-61063 | Soil | 0.5 | 33.9 | 6.7 | 53 | <0.1 | 30.1 | 15.7 | 359 | 3.05 | 4.7 | 0.4 | 8.2 | 2.4 | 25 | <0.1 | 0.2 | <0.1 | 80 | 0.37 | 0.070 | |
| MCK-61064 | Soil | 0.6 | 26.8 | 7.2 | 48 | <0.1 | 32.1 | 11.5 | 204 | 2.75 | 4.7 | 0.7 | 1.4 | 3.1 | 21 | <0.1 | 0.2 | <0.1 | 80 | 0.33 | 0.049 | |
| MCK-61065 | Soil | 0.5 | 39.9 | 8.4 | 47 | <0.1 | 33.5 | 13.2 | 229 | 2.75 | 4.0 | 1.0 | 1.4 | 4.4 | 21 | <0.1 | 0.1 | <0.1 | 73 | 0.37 | 0.077 | |
| MCK-61066 | Soil | 0.6 | 32.8 | 5.6 | 54 | <0.1 | 39.2 | 16.4 | 323 | 3.08 | 3.2 | 0.5 | <0.5 | 3.0 | 28 | <0.1 | 0.1 | <0.1 | 84 | 0.42 | 0.087 | |
| MCK-61067 | Soil | 0.7 | 27.0 | 12.4 | 49 | <0.1 | 24.2 | 13.1 | 343 | 2.83 | 6.5 | 0.6 | 1.9 | 2.8 | 27 | <0.1 | 0.3 | 0.1 | 72 | 0.32 | 0.066 | |
| MCK-61068 | Soil | 0.8 | 32.1 | 9.7 | 61 | <0.1 | 37.9 | 15.1 | 528 | 3.39 | 5.3 | 0.8 | <0.5 | 4.7 | 25 | <0.1 | 0.2 | <0.1 | 100 | 0.37 | 0.083 | |
| MCK-61069 | Soil | 0.6 | 42.1 | 4.2 | 52 | <0.1 | 24.5 | 14.6 | 251 | 2.83 | 5.0 | 0.3 | 1.7 | 1.5 | 18 | <0.1 | 0.2 | <0.1 | 76 | 0.31 | 0.043 | |
| MCK-61070 | Soil | 0.7 | 37.8 | 3.5 | 66 | <0.1 | 15.1 | 17.3 | 357 | 3.82 | 3.0 | 0.2 | 1.3 | 0.9 | 23 | <0.1 | 0.1 | <0.1 | 130 | 0.52 | 0.079 | |
| MCK-61071 | Soil | 0.6 | 34.7 | 6.3 | 47 | <0.1 | 27.7 | 12.2 | 394 | 2.81 | 7.6 | 0.4 | 2.1 | 2.8 | 22 | <0.1 | 0.4 | 0.2 | 67 | 0.30 | 0.017 | |
| MCK-61072 | Soil | 0.7 | 62.4 | 5.2 | 51 | <0.1 | 40.4 | 16.1 | 394 | 3.09 | 5.2 | 0.3 | 3.8 | 1.9 | 22 | <0.1 | 0.3 | <0.1 | 86 | 0.38 | 0.027 | |
| MCK-61073 | Soil | 0.5 | 29.3 | 4.1 | 57 | <0.1 | 20.7 | 16.7 | 258 | 2.71 | 5.1 | 0.2 | <0.5 | 1.3 | 30 | <0.1 | 0.3 | <0.1 | 64 | 0.40 | 0.027 | |
| MCK-61074 | Soil | 0.8 | 67.8 | 5.7 | 95 | <0.1 | 33.2 | 16.6 | 778 | 4.14 | 5.2 | 0.4 | <0.5 | 1.3 | 22 | 0.1 | 0.2 | <0.1 | 105 | 0.35 | 0.042 | |
| MCK-61151 | Soil | 2.2 | 75.2 | 15.8 | 127 | 0.2 | 54.1 | 13.6 | 666 | 3.91 | 2.2 | 2.3 | 1.4 | 12.5 | 27 | 0.1 | 0.2 | 0.2 | 73 | 0.17 | 0.041 | |
| MCK-61152 | Soil | 0.8 | 33.7 | 15.6 | 80 | <0.1 | 35.5 | 13.4 | 448 | 3.19 | 5.5 | 1.1 | 1.3 | 9.1 | 20 | <0.1 | 0.3 | 0.2 | 58 | 0.24 | 0.044 | |
| MCK-61153 | Soil | 2.3 | 81.9 | 19.5 | 141 | <0.1 | 69.1 | 20.3 | 527 | 4.21 | 2.1 | 2.3 | <0.5 | 12.2 | 17 | 0.4 | 0.1 | 0.2 | 95 | 0.18 | 0.069 | |
| MCK-61154 | Soil | 2.9 | 48.9 | 27.7 | 114 | <0.1 | 61.4 | 19.1 | 778 | 4.77 | 3.8 | 2.2 | <0.5 | 10.6 | 14 | 0.1 | 0.3 | 0.3 | 65 | 0.11 | 0.035 | |
| MCK-61155 | Soil | 0.9 | 44.5 | 14.9 | 98 | <0.1 | 63.2 | 26.8 | 592 | 4.11 | 1.0 | 2.4 | 0.8 | 16.4 | 19 | 0.1 | <0.1 | 0.3 | 37 | 0.23 | 0.109 | |
| MCK-61156 | Soil | 0.5 | 35.8 | 12.6 | 82 | <0.1 | 38.4 | 16.6 | 306 | 3.34 | 1.4 | 1.9 | <0.5 | 18.1 | 14 | <0.1 | <0.1 | 0.3 | 35 | 0.31 | 0.070 | |
| MCK-61157 | Soil | 0.6 | 33.2 | 10.9 | 80 | <0.1 | 33.0 | 15.0 | 221 | 3.16 | 1.0 | 2.4 | <0.5 | 20.0 | 11 | <0.1 | <0.1 | 0.3 | 32 | 0.26 | 0.071 | |
| MCK-61158 | Soil | 1.4 | 33.0 | 10.6 | 75 | <0.1 | 42.3 | 18.2 | 448 | 3.47 | 2.7 | 1.4 | 0.8 | 8.3 | 15 | <0.1 | 0.1 | 0.2 | 65 | 0.31 | 0.108 | |
| MCK-61159 | Soil | 1.4 | 30.1 | 8.2 | 68 | <0.1 | 36.5 | 16.8 | 489 | 3.36 | 5.5 | 1.1 | 0.8 | 6.8 | 18 | <0.1 | 0.1 | 0.2 | 63 | 0.30 | 0.094 | |
| MCK-61160 | Soil | 1.5 | 29.3 | 7.9 | 62 | <0.1 | 34.6 | 19.2 | 504 | 3.09 | 3.2 | 1.7 | 4.2 | 7.6 | 19 | 0.1 | 0.1 | 0.2 | 63 | 0.30 | 0.083 | |
| MCK-61161 | Soil | 1.0 | 25.6 | 8.7 | 54 | 0.1 | 28.1 | 11.1 | 217 | 2.59 | 4.4 | 1.4 | 1.3 | 5.0 | 16 | <0.1 | 0.1 | 0.2 | 59 | 0.22 | 0.058 | |
| MCK-61162 | Soil | 1.2 | 24.4 | 9.6 | 55 | <0.1 | 26.0 | 15.6 | 443 | 2.71 | 4.3 | 1.3 | 0.6 | 7.1 | 12 | <0.1 | 0.1 | 0.2 | 63 | 0.18 | 0.062 | |



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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www.acmelab.com

Client: Underworld Resources, Inc.
1500 - 409 Granville Street
Vancouver BC V6C 1T2 Canada

Project: MCK
Report Date: September 20, 2009

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CERTIFICATE OF ANALYSIS

VAN09004060.1

| | Method Analyte Unit MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se |
| | | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | | 1 | 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 |
| MCK-61057 | Soil | 7 | 39 | 0.78 | 206 | 0.143 | 1 | 1.62 | 0.017 | 0.09 | <0.1 | 0.01 | 2.6 | <0.1 | <0.05 | 6 | <0.5 |
| MCK-61058 | Soil | 5 | 91 | 1.08 | 176 | 0.137 | <1 | 1.65 | 0.016 | 0.22 | <0.1 | <0.01 | 2.3 | 0.1 | <0.05 | 5 | <0.5 |
| MCK-61059 | Soil | 12 | 48 | 1.24 | 216 | 0.161 | <1 | 1.79 | 0.020 | 0.29 | <0.1 | <0.01 | 3.5 | 0.2 | <0.05 | 6 | <0.5 |
| MCK-61060 | Soil | 4 | 19 | 1.53 | 347 | 0.218 | <1 | 2.70 | 0.013 | 0.80 | 0.1 | <0.01 | 3.4 | 0.3 | <0.05 | 8 | <0.5 |
| MCK-61061 | Soil | 10 | 35 | 1.00 | 238 | 0.145 | <1 | 2.35 | 0.016 | 0.07 | <0.1 | 0.01 | 3.5 | 0.1 | <0.05 | 6 | <0.5 |
| MCK-61062 | Soil | 10 | 65 | 1.22 | 526 | 0.170 | 1 | 2.08 | 0.014 | 0.29 | 0.1 | <0.01 | 3.3 | 0.2 | <0.05 | 6 | <0.5 |
| MCK-61063 | Soil | 7 | 65 | 1.16 | 442 | 0.177 | <1 | 2.09 | 0.012 | 0.41 | 0.1 | <0.01 | 2.3 | 0.2 | <0.05 | 7 | <0.5 |
| MCK-61064 | Soil | 11 | 69 | 0.99 | 480 | 0.183 | <1 | 1.91 | 0.013 | 0.29 | 0.2 | 0.01 | 2.8 | 0.2 | <0.05 | 7 | <0.5 |
| MCK-61065 | Soil | 14 | 73 | 0.99 | 726 | 0.166 | <1 | 1.79 | 0.013 | 0.41 | 0.1 | 0.01 | 3.1 | 0.2 | <0.05 | 6 | <0.5 |
| MCK-61066 | Soil | 9 | 91 | 1.31 | 560 | 0.211 | <1 | 2.05 | 0.013 | 0.50 | <0.1 | 0.01 | 2.5 | 0.2 | <0.05 | 7 | <0.5 |
| MCK-61067 | Soil | 9 | 46 | 0.80 | 433 | 0.134 | 1 | 1.84 | 0.013 | 0.18 | <0.1 | 0.02 | 3.1 | 0.1 | <0.05 | 6 | <0.5 |
| MCK-61068 | Soil | 11 | 95 | 1.30 | 572 | 0.197 | 1 | 2.03 | 0.014 | 0.27 | <0.1 | 0.02 | 3.3 | 0.2 | <0.05 | 9 | <0.5 |
| MCK-61069 | Soil | 5 | 64 | 1.11 | 165 | 0.171 | 2 | 1.78 | 0.013 | 0.29 | 0.1 | <0.01 | 2.4 | 0.1 | <0.05 | 5 | <0.5 |
| MCK-61070 | Soil | 3 | 40 | 1.93 | 248 | 0.268 | 1 | 2.52 | 0.014 | 0.46 | <0.1 | 0.01 | 3.5 | 0.2 | <0.05 | 9 | <0.5 |
| MCK-61071 | Soil | 9 | 41 | 0.59 | 213 | 0.116 | <1 | 1.59 | 0.016 | 0.15 | <0.1 | 0.03 | 4.8 | <0.1 | <0.05 | 5 | <0.5 |
| MCK-61072 | Soil | 7 | 101 | 1.24 | 189 | 0.132 | <1 | 1.93 | 0.014 | 0.14 | <0.1 | 0.01 | 5.2 | 0.1 | <0.05 | 6 | <0.5 |
| MCK-61073 | Soil | 5 | 51 | 1.31 | 219 | 0.162 | 2 | 1.99 | 0.011 | 0.26 | 0.1 | <0.01 | 2.3 | 0.1 | <0.05 | 4 | <0.5 |
| MCK-61074 | Soil | 4 | 46 | 1.05 | 639 | 0.241 | 2 | 2.26 | 0.012 | 0.70 | <0.1 | 0.02 | 3.7 | 0.3 | <0.05 | 7 | <0.5 |
| MCK-61151 | Soil | 53 | 49 | 1.59 | 334 | 0.126 | 1 | 2.62 | 0.018 | 0.29 | <0.1 | 0.01 | 5.3 | 0.3 | 0.17 | 8 | 3.1 |
| MCK-61152 | Soil | 28 | 40 | 1.05 | 254 | 0.135 | 2 | 2.30 | 0.010 | 0.30 | 0.2 | 0.02 | 3.8 | 0.2 | <0.05 | 7 | <0.5 |
| MCK-61153 | Soil | 37 | 65 | 1.65 | 474 | 0.180 | 2 | 2.86 | 0.014 | 0.88 | <0.1 | 0.01 | 4.9 | 0.5 | 0.12 | 9 | 1.1 |
| MCK-61154 | Soil | 25 | 75 | 0.44 | 239 | 0.013 | 2 | 2.03 | 0.007 | 0.12 | <0.1 | <0.01 | 6.6 | 0.1 | <0.05 | 6 | 0.9 |
| MCK-61155 | Soil | 41 | 36 | 0.96 | 229 | 0.150 | <1 | 2.05 | 0.012 | 0.73 | <0.1 | 0.01 | 3.4 | 0.6 | 0.12 | 7 | <0.5 |
| MCK-61156 | Soil | 28 | 33 | 0.87 | 221 | 0.148 | <1 | 1.92 | 0.007 | 0.59 | <0.1 | <0.01 | 3.0 | 0.5 | <0.05 | 7 | <0.5 |
| MCK-61157 | Soil | 27 | 30 | 0.86 | 193 | 0.160 | <1 | 1.84 | 0.008 | 0.70 | <0.1 | <0.01 | 2.8 | 0.5 | <0.05 | 6 | <0.5 |
| MCK-61158 | Soil | 29 | 45 | 1.17 | 216 | 0.159 | 1 | 2.14 | 0.009 | 0.61 | <0.1 | 0.01 | 4.6 | 0.5 | <0.05 | 8 | <0.5 |
| MCK-61159 | Soil | 21 | 45 | 0.97 | 135 | 0.152 | 1 | 1.85 | 0.010 | 0.36 | 0.1 | 0.01 | 3.7 | 0.3 | <0.05 | 7 | <0.5 |
| MCK-61160 | Soil | 28 | 47 | 1.04 | 147 | 0.142 | 2 | 1.94 | 0.012 | 0.36 | <0.1 | <0.01 | 3.9 | 0.3 | <0.05 | 7 | <0.5 |
| MCK-61161 | Soil | 26 | 44 | 0.73 | 125 | 0.126 | <1 | 1.61 | 0.009 | 0.19 | 0.1 | 0.02 | 3.0 | 0.2 | <0.05 | 7 | <0.5 |
| MCK-61162 | Soil | 25 | 36 | 0.76 | 125 | 0.132 | 1 | 1.69 | 0.010 | 0.31 | 0.1 | 0.02 | 2.7 | 0.3 | <0.05 | 7 | <0.5 |



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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Client: **Underworld Resources, Inc.**
1500 - 409 Granville Street
Vancouver BC V6C 1T2 Canada

Project: MCK
Report Date: September 20, 2009

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CERTIFICATE OF ANALYSIS

VAN09004060.1

| | Method | Analyte | Unit | MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | | | |
|-----------|--------|---------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|----|------|
| | | | | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P |
| | | | | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| | | | | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.1 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 |
| MCK-61163 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-61164 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-61165 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-61166 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-61167 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-61168 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-61169 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-61170 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-67007 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-67008 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-67009 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-67010 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-67011 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-67014 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-67015 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-67016 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-67017 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-67018 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-67019 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-67020 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-67021 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-67022 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-67023 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-67024 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-67025 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-67026 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-67027 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-67028 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-67029 | Soil | | | | | | | | | | | | | | | | | | | | | | | |
| MCK-67030 | Soil | | | | | | | | | | | | | | | | | | | | | | | |



1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716

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www.acmelab.com

Client: **Underworld Resources, Inc.**
1500 - 409 Granville Street
Vancouver BC V6C 1T2 Canada

Project: MCK
Report Date: September 20, 2009

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CERTIFICATE OF ANALYSIS

VAN09004060.1

| | Method Analyte Unit MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se |
| | | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | | 1 | 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 |
| MCK-61163 | Soil | 28 | 40 | 0.81 | 160 | 0.132 | 1 | 1.84 | 0.011 | 0.27 | 0.1 | 0.03 | 2.9 | 0.3 | <0.05 | 8 | <0.5 |
| MCK-61164 | Soil | 22 | 44 | 0.70 | 149 | 0.125 | 2 | 1.60 | 0.010 | 0.20 | 0.2 | 0.03 | 2.7 | 0.2 | <0.05 | 7 | <0.5 |
| MCK-61165 | Soil | 26 | 40 | 0.59 | 137 | 0.124 | 2 | 1.56 | 0.009 | 0.14 | 0.1 | 0.02 | 2.8 | 0.2 | <0.05 | 7 | <0.5 |
| MCK-61166 | Soil | 27 | 34 | 0.63 | 271 | 0.117 | <1 | 1.58 | 0.011 | 0.20 | 0.2 | 0.03 | 3.2 | 0.2 | <0.05 | 6 | <0.5 |
| MCK-61167 | Soil | 24 | 31 | 0.54 | 225 | 0.120 | <1 | 1.47 | 0.009 | 0.19 | 0.1 | 0.01 | 2.6 | 0.2 | <0.05 | 5 | <0.5 |
| MCK-61168 | Soil | 24 | 34 | 0.54 | 248 | 0.111 | <1 | 1.60 | 0.011 | 0.15 | 0.2 | 0.03 | 2.9 | 0.1 | <0.05 | 7 | <0.5 |
| MCK-61169 | Soil | 31 | 28 | 0.42 | 231 | 0.081 | 2 | 1.39 | 0.011 | 0.11 | 0.1 | 0.04 | 2.9 | 0.1 | <0.05 | 7 | <0.5 |
| MCK-61170 | Soil | 54 | 29 | 0.38 | 543 | 0.043 | 2 | 1.41 | 0.015 | 0.09 | 0.2 | 0.24 | 3.5 | <0.1 | <0.05 | 5 | <0.5 |
| MCK-67007 | Soil | 27 | 53 | 1.18 | 169 | 0.172 | 2 | 2.19 | 0.011 | 0.41 | 0.2 | 0.01 | 3.4 | 0.3 | <0.05 | 8 | <0.5 |
| MCK-67008 | Soil | 37 | 38 | 0.85 | 142 | 0.132 | <1 | 1.88 | 0.010 | 0.31 | <0.1 | 0.02 | 3.1 | 0.2 | <0.05 | 7 | <0.5 |
| MCK-67009 | Soil | 36 | 48 | 1.06 | 147 | 0.149 | <1 | 2.04 | 0.010 | 0.35 | <0.1 | 0.02 | 3.7 | 0.3 | <0.05 | 8 | <0.5 |
| MCK-67010 | Soil | 24 | 33 | 0.87 | 222 | 0.132 | 1 | 1.89 | 0.014 | 0.35 | <0.1 | 0.02 | 3.1 | 0.3 | 0.09 | 6 | <0.5 |
| MCK-67011 | Soil | 22 | 30 | 0.66 | 167 | 0.123 | <1 | 1.48 | 0.013 | 0.32 | <0.1 | 0.02 | 2.9 | 0.2 | 0.05 | 5 | <0.5 |
| MCK-67014 | Soil | 18 | 35 | 0.71 | 247 | 0.127 | 2 | 1.86 | 0.010 | 0.34 | <0.1 | 0.01 | 3.1 | 0.2 | <0.05 | 7 | <0.5 |
| MCK-67015 | Soil | 10 | 46 | 0.81 | 133 | 0.131 | <1 | 2.11 | 0.011 | 0.22 | 0.1 | 0.01 | 3.6 | 0.2 | <0.05 | 6 | <0.5 |
| MCK-67016 | Soil | 20 | 37 | 0.78 | 147 | 0.129 | 1 | 1.99 | 0.009 | 0.30 | 0.1 | 0.03 | 3.1 | 0.3 | <0.05 | 8 | <0.5 |
| MCK-67017 | Soil | 22 | 37 | 0.70 | 130 | 0.103 | 2 | 2.05 | 0.010 | 0.24 | <0.1 | 0.02 | 3.2 | 0.2 | <0.05 | 6 | 0.5 |
| MCK-67018 | Soil | 28 | 104 | 2.16 | 389 | 0.241 | 1 | 3.24 | 0.014 | 0.83 | <0.1 | <0.01 | 6.3 | 0.5 | <0.05 | 9 | <0.5 |
| MCK-67019 | Soil | 25 | 64 | 1.06 | 216 | 0.149 | <1 | 2.21 | 0.015 | 0.26 | 0.1 | 0.01 | 3.2 | 0.2 | <0.05 | 6 | <0.5 |
| MCK-67020 | Soil | 50 | 132 | 2.29 | 468 | 0.184 | <1 | 2.74 | 0.021 | 0.97 | <0.1 | <0.01 | 3.7 | 0.4 | <0.05 | 10 | <0.5 |
| MCK-67021 | Soil | 28 | 53 | 1.10 | 243 | 0.138 | <1 | 1.98 | 0.022 | 0.39 | <0.1 | <0.01 | 3.0 | 0.2 | 0.07 | 8 | <0.5 |
| MCK-67022 | Soil | 25 | 81 | 1.21 | 233 | 0.135 | <1 | 2.10 | 0.027 | 0.38 | <0.1 | <0.01 | 3.1 | 0.2 | 0.09 | 7 | <0.5 |
| MCK-67023 | Soil | 22 | 67 | 1.02 | 417 | 0.138 | <1 | 1.84 | 0.019 | 0.40 | <0.1 | 0.01 | 3.5 | 0.2 | 0.08 | 8 | 0.7 |
| MCK-67024 | Soil | 13 | 39 | 0.71 | 121 | 0.117 | <1 | 1.47 | 0.014 | 0.18 | 0.2 | <0.01 | 1.6 | 0.2 | <0.05 | 6 | <0.5 |
| MCK-67025 | Soil | 10 | 37 | 0.62 | 82 | 0.114 | <1 | 1.82 | 0.012 | 0.07 | 0.2 | 0.01 | 2.1 | 0.1 | <0.05 | 6 | <0.5 |
| MCK-67026 | Soil | 16 | 32 | 0.69 | 111 | 0.125 | <1 | 1.50 | 0.013 | 0.12 | 0.2 | <0.01 | 1.8 | 0.2 | <0.05 | 6 | <0.5 |
| MCK-67027 | Soil | 18 | 26 | 0.48 | 112 | 0.105 | <1 | 1.30 | 0.013 | 0.12 | 0.1 | 0.02 | 1.7 | 0.1 | <0.05 | 7 | <0.5 |
| MCK-67028 | Soil | 34 | 16 | 0.88 | 220 | 0.202 | <1 | 1.84 | 0.029 | 0.66 | 0.1 | 0.01 | 2.1 | 0.3 | 0.22 | 10 | 0.9 |
| MCK-67029 | Soil | 20 | 19 | 0.48 | 129 | 0.121 | <1 | 1.23 | 0.013 | 0.20 | 0.1 | 0.03 | 1.5 | 0.1 | <0.05 | 7 | <0.5 |
| MCK-67030 | Soil | 14 | 29 | 0.60 | 138 | 0.125 | <1 | 1.53 | 0.014 | 0.12 | 0.2 | 0.01 | 2.4 | <0.1 | <0.05 | 7 | <0.5 |



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1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Phone (604) 253-3158 Fax (604) 253-1716

www.acmelab.com

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1500 - 409 Granville Street

Vancouver BC V6C 1T2 Canada

Project:

MCK

Report Date:

September 20, 2009

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Part 1

QUALITY CONTROL REPORT

VAN09004060.1

| | Method Analyte Unit MDL | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P |
| | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.1 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | | | | |
| MCK-51058 | Soil | 1.1 | 20.4 | 7.2 | 60 | <0.1 | 23.9 | 10.4 | 220 | 3.08 | 5.5 | 1.3 | 3.7 | 6.8 | 21 | <0.1 | 0.2 | 0.2 | 61 | 0.24 | 0.055 |
| REP MCK-51058 | QC | 1.2 | 21.5 | 7.3 | 60 | <0.1 | 24.3 | 10.4 | 215 | 2.90 | 5.4 | 1.3 | 2.6 | 6.6 | 19 | 0.1 | 0.2 | 0.2 | 59 | 0.23 | 0.054 |
| MCK-51116 | Soil | 1.3 | 17.4 | 7.4 | 48 | <0.1 | 17.9 | 9.6 | 359 | 3.50 | 8.5 | 0.9 | 2.9 | 4.6 | 14 | <0.1 | 0.4 | 0.2 | 58 | 0.12 | 0.043 |
| REP MCK-51116 | QC | 1.2 | 17.5 | 7.3 | 48 | <0.1 | 17.9 | 9.9 | 359 | 3.49 | 8.3 | 0.9 | <0.5 | 4.6 | 15 | <0.1 | 0.5 | 0.2 | 59 | 0.14 | 0.046 |
| MCK-51270 | Soil | 1.0 | 21.1 | 9.6 | 61 | 0.1 | 25.7 | 10.0 | 186 | 2.59 | 4.0 | 1.2 | 4.6 | 5.2 | 16 | 0.1 | 0.2 | 0.2 | 57 | 0.22 | 0.050 |
| REP MCK-51270 | QC | 0.9 | 20.2 | 10.0 | 61 | 0.1 | 25.8 | 10.5 | 189 | 2.59 | 4.0 | 1.3 | 3.1 | 5.1 | 16 | 0.1 | 0.2 | 0.2 | 59 | 0.24 | 0.050 |
| MCK-51298 | Soil | 3.6 | 20.9 | 7.0 | 56 | <0.1 | 9.1 | 5.0 | 286 | 2.70 | 4.9 | 1.9 | 2.8 | 7.9 | 28 | <0.1 | 0.2 | 0.3 | 48 | 0.19 | 0.050 |
| REP MCK-51298 | QC | 3.8 | 22.7 | 6.8 | 59 | <0.1 | 9.9 | 5.3 | 311 | 2.75 | 5.1 | 2.0 | 6.7 | 8.1 | 28 | <0.1 | 0.1 | 0.3 | 50 | 0.21 | 0.053 |
| MCK-51359 | Soil | 1.4 | 37.3 | 12.8 | 76 | <0.1 | 44.9 | 13.0 | 355 | 3.61 | 5.8 | 1.3 | 1.1 | 7.8 | 27 | <0.1 | 0.3 | 0.2 | 96 | 0.30 | 0.041 |
| REP MCK-51359 | QC | 1.3 | 36.7 | 12.1 | 74 | <0.1 | 45.1 | 13.3 | 359 | 3.64 | 5.6 | 1.2 | 0.7 | 7.4 | 26 | <0.1 | 0.3 | 0.2 | 93 | 0.29 | 0.038 |
| MCK-51382 | Soil | 0.4 | 32.5 | 8.3 | 77 | <0.1 | 37.5 | 22.1 | 587 | 3.69 | 4.4 | 0.4 | 0.8 | 1.8 | 63 | <0.1 | 0.3 | <0.1 | 93 | 0.45 | 0.089 |
| REP MCK-51382 | QC | 0.5 | 31.9 | 7.9 | 71 | <0.1 | 35.8 | 20.4 | 523 | 3.39 | 4.2 | 0.4 | <0.5 | 1.7 | 59 | <0.1 | 0.3 | <0.1 | 85 | 0.41 | 0.083 |
| MCK-51266 | Soil | 1.0 | 26.7 | 6.8 | 63 | <0.1 | 42.6 | 17.4 | 356 | 3.51 | 4.0 | 1.6 | 1.2 | 8.0 | 17 | 0.1 | 0.1 | 0.2 | 68 | 0.34 | 0.099 |
| REP MCK-51266 | QC | 1.1 | 26.0 | 6.9 | 63 | <0.1 | 42.5 | 17.1 | 347 | 3.43 | 4.1 | 1.5 | 2.0 | 7.8 | 17 | <0.1 | 0.1 | 0.2 | 68 | 0.33 | 0.096 |
| MCK-52274 | Soil | 1.8 | 43.6 | 11.3 | 73 | 0.4 | 39.5 | 17.7 | 904 | 3.14 | 9.8 | 4.2 | 7.6 | 5.7 | 39 | 0.4 | 0.6 | 0.2 | 60 | 1.02 | 0.084 |
| REP MCK-52274 | QC | 1.7 | 44.0 | 11.3 | 74 | 0.4 | 41.6 | 17.1 | 874 | 3.10 | 9.9 | 4.3 | 3.4 | 5.3 | 41 | 0.4 | 0.6 | 0.2 | 57 | 1.05 | 0.082 |
| MCK-52436 | Soil | 2.6 | 39.1 | 7.9 | 81 | <0.1 | 69.0 | 25.4 | 447 | 4.12 | 2.6 | 1.9 | 1.7 | 7.8 | 29 | <0.1 | <0.1 | 0.3 | 88 | 0.50 | 0.127 |
| REP MCK-52436 | QC | 2.5 | 41.4 | 8.0 | 81 | <0.1 | 66.5 | 24.1 | 443 | 4.31 | 2.7 | 1.9 | <0.5 | 7.4 | 29 | <0.1 | <0.1 | 0.3 | 91 | 0.52 | 0.134 |
| MCK-59632 | Soil | 0.9 | 24.2 | 7.9 | 56 | 0.3 | 25.4 | 7.5 | 128 | 2.10 | 2.8 | 2.0 | 1.8 | 2.9 | 21 | 0.2 | 0.1 | 0.2 | 38 | 0.29 | 0.071 |
| REP MCK-59632 | QC | 1.0 | 23.3 | 8.0 | 58 | 0.3 | 25.8 | 7.8 | 128 | 2.17 | 3.1 | 1.9 | 1.5 | 3.0 | 21 | 0.2 | 0.2 | 0.2 | 37 | 0.31 | 0.073 |
| MCK-59678 | Soil | 1.1 | 36.3 | 9.4 | 81 | <0.1 | 45.2 | 15.6 | 393 | 3.51 | 3.1 | 1.4 | 2.2 | 7.6 | 23 | 0.1 | 0.1 | 0.2 | 65 | 0.52 | 0.126 |
| REP MCK-59678 | QC | 1.1 | 38.0 | 8.9 | 83 | <0.1 | 42.0 | 15.9 | 411 | 3.46 | 3.4 | 1.5 | 1.3 | 7.6 | 23 | 0.1 | 0.1 | 0.3 | 71 | 0.51 | 0.124 |
| MCK-60230 | Soil | 0.8 | 30.2 | 7.9 | 50 | <0.1 | 336.4 | 28.9 | 419 | 2.52 | 3.4 | 1.8 | 2.7 | 6.7 | 18 | <0.1 | 0.1 | 0.1 | 54 | 0.28 | 0.039 |
| REP MCK-60230 | QC | 0.9 | 30.3 | 8.3 | 51 | 0.1 | 342.6 | 28.7 | 419 | 2.52 | 3.5 | 1.8 | 2.2 | 7.3 | 18 | <0.1 | 0.2 | 0.1 | 55 | 0.30 | 0.040 |
| MCK-60477 | Soil | 0.7 | 35.8 | 12.1 | 79 | 0.1 | 37.5 | 16.2 | 455 | 3.65 | 1.3 | 2.2 | 1.4 | 15.3 | 17 | 0.1 | <0.1 | 0.2 | 53 | 0.37 | 0.077 |
| REP MCK-60477 | QC | 0.9 | 35.8 | 11.8 | 78 | <0.1 | 37.8 | 16.3 | 452 | 3.69 | 1.4 | 2.2 | 2.2 | 15.6 | 17 | 0.1 | <0.1 | 0.2 | 52 | 0.36 | 0.078 |
| MCK-60496 | Soil | 0.5 | 45.5 | 5.9 | 54 | <0.1 | 28.4 | 13.2 | 462 | 2.90 | 5.8 | 0.6 | 1.5 | 2.9 | 26 | <0.1 | 0.3 | <0.1 | 71 | 0.51 | 0.079 |
| REP MCK-60496 | QC | 0.4 | 43.3 | 5.8 | 51 | <0.1 | 28.7 | 13.1 | 474 | 2.91 | 5.5 | 0.6 | 2.4 | 2.8 | 25 | <0.1 | 0.2 | <0.1 | 70 | 0.50 | 0.078 |



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: **Underworld Resources, Inc.**

1500 - 409 Granville Street

Vancouver BC V6C 1T2 Canada

Project: MCK

Report Date: September 20, 2009

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QUALITY CONTROL REPORT

VAN09004060.1

| Method Analyte Unit MDL | | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|----------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Ti | S | Ga | Se |
| | | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | | 1 | 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 |
| Pulp Duplicates | | | | | | | | | | | | | | | | | |
| MCK-51058 | Soil | 21 | 34 | 0.75 | 117 | 0.140 | 2 | 1.86 | 0.015 | 0.18 | 0.2 | 0.01 | 3.0 | 0.2 | <0.05 | 6 | <0.5 |
| REP MCK-51058 | QC | 20 | 34 | 0.71 | 120 | 0.132 | 1 | 1.94 | 0.012 | 0.17 | 0.2 | 0.02 | 3.1 | 0.2 | <0.05 | 6 | <0.5 |
| MCK-51116 | Soil | 10 | 33 | 0.62 | 114 | 0.093 | <1 | 1.99 | 0.009 | 0.10 | 0.2 | 0.02 | 3.0 | 0.1 | <0.05 | 7 | <0.5 |
| REP MCK-51116 | QC | 10 | 34 | 0.64 | 111 | 0.094 | <1 | 2.05 | 0.008 | 0.10 | 0.1 | 0.01 | 3.1 | 0.2 | <0.05 | 7 | <0.5 |
| MCK-51270 | Soil | 22 | 39 | 0.72 | 129 | 0.130 | <1 | 1.87 | 0.012 | 0.13 | 0.2 | 0.03 | 2.8 | 0.2 | <0.05 | 7 | <0.5 |
| REP MCK-51270 | QC | 21 | 40 | 0.70 | 127 | 0.134 | <1 | 1.82 | 0.014 | 0.13 | 0.1 | 0.02 | 3.0 | 0.2 | <0.05 | 7 | <0.5 |
| MCK-51298 | Soil | 26 | 19 | 0.62 | 121 | 0.142 | 1 | 1.37 | 0.013 | 0.29 | 0.1 | 0.01 | 1.9 | 0.2 | 0.07 | 8 | <0.5 |
| REP MCK-51298 | QC | 26 | 19 | 0.60 | 128 | 0.150 | <1 | 1.46 | 0.014 | 0.29 | 0.1 | 0.01 | 2.0 | 0.3 | 0.07 | 8 | <0.5 |
| MCK-51359 | Soil | 23 | 78 | 1.27 | 299 | 0.163 | <1 | 2.64 | 0.014 | 0.19 | 0.1 | 0.02 | 4.5 | 0.2 | <0.05 | 9 | <0.5 |
| REP MCK-51359 | QC | 22 | 78 | 1.23 | 279 | 0.160 | <1 | 2.48 | 0.014 | 0.18 | 0.1 | <0.01 | 4.4 | 0.2 | <0.05 | 9 | 0.5 |
| MCK-51382 | Soil | 4 | 51 | 1.59 | 580 | 0.196 | <1 | 2.39 | 0.010 | 0.46 | 0.1 | <0.01 | 2.6 | 0.3 | <0.05 | 8 | <0.5 |
| REP MCK-51382 | QC | 5 | 48 | 1.54 | 583 | 0.184 | <1 | 2.25 | 0.009 | 0.42 | <0.1 | <0.01 | 2.3 | 0.3 | <0.05 | 8 | <0.5 |
| MCK-51266 | Soil | 31 | 48 | 1.17 | 229 | 0.137 | 1 | 2.32 | 0.011 | 0.43 | 0.1 | 0.02 | 3.1 | 0.3 | <0.05 | 8 | <0.5 |
| REP MCK-51266 | QC | 31 | 48 | 1.13 | 225 | 0.144 | <1 | 2.35 | 0.011 | 0.42 | 0.1 | <0.01 | 3.1 | 0.3 | <0.05 | 8 | <0.5 |
| MCK-52274 | Soil | 103 | 40 | 0.60 | 974 | 0.067 | 2 | 1.95 | 0.013 | 0.12 | 0.1 | 0.12 | 6.3 | 0.1 | <0.05 | 6 | 2.0 |
| REP MCK-52274 | QC | 106 | 42 | 0.64 | 957 | 0.063 | 2 | 2.01 | 0.013 | 0.12 | 0.1 | 0.14 | 6.3 | 0.2 | 0.06 | 6 | 1.9 |
| MCK-52436 | Soil | 37 | 61 | 1.77 | 215 | 0.188 | <1 | 2.87 | 0.014 | 0.75 | <0.1 | 0.01 | 5.2 | 0.4 | <0.05 | 11 | 0.6 |
| REP MCK-52436 | QC | 38 | 57 | 1.82 | 214 | 0.189 | <1 | 2.76 | 0.015 | 0.76 | <0.1 | <0.01 | 5.3 | 0.4 | <0.05 | 11 | 0.6 |
| MCK-59632 | Soil | 30 | 40 | 0.65 | 186 | 0.072 | <1 | 1.56 | 0.011 | 0.14 | <0.1 | 0.04 | 3.2 | 0.2 | <0.05 | 6 | 0.9 |
| REP MCK-59632 | QC | 30 | 39 | 0.64 | 189 | 0.074 | <1 | 1.55 | 0.011 | 0.15 | 0.1 | 0.05 | 3.1 | 0.2 | <0.05 | 6 | 0.9 |
| MCK-59678 | Soil | 30 | 59 | 1.21 | 296 | 0.142 | <1 | 2.24 | 0.009 | 0.46 | 0.1 | 0.02 | 4.0 | 0.3 | <0.05 | 8 | 0.9 |
| REP MCK-59678 | QC | 31 | 59 | 1.28 | 297 | 0.139 | <1 | 2.23 | 0.009 | 0.49 | <0.1 | 0.02 | 4.2 | 0.3 | <0.05 | 8 | 0.6 |
| MCK-60230 | Soil | 22 | 165 | 1.07 | 274 | 0.081 | 2 | 1.56 | 0.011 | 0.06 | 0.1 | 0.03 | 3.3 | 0.2 | <0.05 | 5 | <0.5 |
| REP MCK-60230 | QC | 23 | 164 | 1.11 | 280 | 0.085 | <1 | 1.61 | 0.011 | 0.07 | 0.2 | 0.02 | 3.6 | 0.2 | <0.05 | 5 | <0.5 |
| MCK-60477 | Soil | 41 | 41 | 1.02 | 200 | 0.158 | <1 | 2.08 | 0.009 | 0.53 | <0.1 | 0.01 | 4.3 | 0.5 | <0.05 | 7 | <0.5 |
| REP MCK-60477 | QC | 39 | 42 | 1.02 | 198 | 0.153 | <1 | 2.07 | 0.009 | 0.52 | <0.1 | 0.01 | 4.3 | 0.5 | <0.05 | 7 | <0.5 |
| MCK-60496 | Soil | 11 | 53 | 0.95 | 571 | 0.105 | 1 | 1.73 | 0.018 | 0.11 | 0.2 | 0.02 | 4.6 | <0.1 | <0.05 | 5 | <0.5 |
| REP MCK-60496 | QC | 11 | 54 | 0.94 | 572 | 0.104 | 1 | 1.70 | 0.018 | 0.10 | 0.1 | 0.02 | 4.5 | <0.1 | <0.05 | 5 | <0.5 |



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: Underworld Resources, Inc.

1500 - 409 Granville Street

Vancouver BC V6C 1T2 Canada

Project:

MCK

Report Date:

September 20, 2009

Page:

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Part 1

QUALITY CONTROL REPORT

VAN09004060.1

| | | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---------------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca |
| | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % |
| | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.1 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 |
| MCK-61055 | Soil | 0.7 | 42.8 | 4.6 | 87 | <0.1 | 15.7 | 13.7 | 438 | 3.85 | 4.6 | 0.3 | <0.5 | 1.4 | 25 | <0.1 | 0.2 | <0.1 | 71 | 0.29 |
| REP MCK-61055 | QC | 0.6 | 43.3 | 4.7 | 85 | <0.1 | 15.0 | 13.5 | 435 | 3.82 | 4.8 | 0.2 | <0.5 | 1.4 | 25 | <0.1 | 0.2 | <0.1 | 73 | 0.29 |
| MCK-61071 | Soil | 0.6 | 34.7 | 6.3 | 47 | <0.1 | 27.7 | 12.2 | 394 | 2.81 | 7.6 | 0.4 | 2.1 | 2.8 | 22 | <0.1 | 0.4 | 0.2 | 67 | 0.30 |
| REP MCK-61071 | QC | 0.7 | 35.1 | 6.4 | 47 | <0.1 | 28.7 | 12.4 | 384 | 2.74 | 7.3 | 0.4 | 1.5 | 2.9 | 22 | <0.1 | 0.4 | 0.1 | 66 | 0.30 |
| MCK-67015 | Soil | 1.0 | 22.0 | 8.9 | 51 | <0.1 | 31.6 | 14.1 | 259 | 3.25 | 9.2 | 0.6 | 1.0 | 4.4 | 16 | <0.1 | 0.3 | 0.2 | 73 | 0.19 |
| REP MCK-67015 | QC | 1.1 | 22.0 | 9.2 | 51 | <0.1 | 32.7 | 14.2 | 258 | 3.22 | 9.3 | 0.7 | <0.5 | 4.4 | 16 | 0.1 | 0.4 | 0.2 | 72 | 0.19 |
| MCK-67019 | Soil | 0.8 | 31.0 | 6.7 | 56 | <0.1 | 40.5 | 15.9 | 305 | 3.01 | 5.0 | 1.1 | 1.8 | 6.4 | 18 | <0.1 | 0.2 | 0.2 | 68 | 0.29 |
| REP MCK-67019 | QC | 0.9 | 31.7 | 6.4 | 58 | <0.1 | 42.4 | 16.5 | 307 | 3.12 | 5.3 | 1.1 | 1.8 | 6.3 | 18 | <0.1 | 0.3 | 0.1 | 70 | 0.28 |
| Reference Materials | | | | | | | | | | | | | | | | | | | | |
| STD DS7 | Standard | 21.4 | 110.7 | 67.0 | 419 | 0.9 | 56.4 | 9.1 | 630 | 2.40 | 56.4 | 4.9 | 68.8 | 4.4 | 75 | 7.4 | 6.5 | 4.8 | 92 | 0.95 |
| STD DS7 | Standard | 20.6 | 111.0 | 71.7 | 398 | 0.8 | 56.8 | 9.4 | 575 | 2.30 | 50.0 | 5.1 | 63.9 | 4.6 | 72 | 6.4 | 6.4 | 4.9 | 83 | 0.93 |
| STD DS7 | Standard | 20.4 | 120.4 | 69.5 | 403 | 0.8 | 58.0 | 9.7 | 609 | 2.32 | 51.3 | 5.1 | 66.0 | 4.7 | 74 | 6.6 | 6.3 | 4.8 | 83 | 0.94 |
| STD DS7 | Standard | 19.4 | 104.9 | 63.0 | 389 | 0.8 | 52.1 | 8.8 | 599 | 2.19 | 52.3 | 4.3 | 64.1 | 3.6 | 61 | 6.4 | 5.4 | 4.4 | 81 | 0.90 |
| STD DS7 | Standard | 19.8 | 102.9 | 62.0 | 394 | 0.8 | 53.8 | 9.1 | 620 | 2.30 | 53.7 | 4.3 | 66.6 | 3.7 | 68 | 6.0 | 5.3 | 4.3 | 74 | 0.93 |
| STD DS7 | Standard | 19.6 | 110.1 | 67.3 | 391 | 0.8 | 56.7 | 9.2 | 594 | 2.31 | 48.2 | 4.2 | 83.3 | 4.0 | 63 | 5.9 | 5.2 | 4.3 | 83 | 0.92 |
| STD DS7 | Standard | 20.5 | 102.8 | 71.6 | 371 | 0.8 | 55.0 | 8.8 | 545 | 2.14 | 45.5 | 4.6 | 61.7 | 4.2 | 59 | 5.8 | 5.3 | 4.0 | 79 | 0.90 |
| STD DS7 | Standard | 20.3 | 103.6 | 69.7 | 371 | 0.8 | 56.0 | 9.1 | 582 | 2.26 | 47.8 | 4.8 | 78.1 | 4.3 | 65 | 6.0 | 5.3 | 4.4 | 81 | 0.94 |
| STD DS7 | Standard | 21.2 | 101.0 | 69.2 | 418 | 0.9 | 62.6 | 10.2 | 651 | 2.51 | 58.1 | 4.9 | 72.2 | 4.5 | 62 | 7.0 | 5.7 | 4.6 | 90 | 1.05 |
| STD DS7 | Standard | 18.9 | 107.6 | 59.2 | 393 | 0.7 | 57.7 | 9.2 | 581 | 2.25 | 50.7 | 4.3 | 64.7 | 4.0 | 64 | 6.0 | 5.5 | 4.1 | 86 | 0.88 |
| STD DS7 Expected | | 20.5 | 109 | 70.6 | 411 | 0.9 | 56 | 9.7 | 627 | 2.39 | 48.2 | 4.9 | 70 | 4.4 | 69 | 6.4 | 4.6 | 4.5 | 84 | 0.93 |
| BLK | Blank | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 |
| BLK | Blank | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 |
| BLK | Blank | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 |
| BLK | Blank | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 |
| BLK | Blank | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 |
| BLK | Blank | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 |
| BLK | Blank | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 |
| BLK | Blank | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 |
| BLK | Blank | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 |



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: **Underworld Resources, Inc.**
1500 - 409 Granville Street
Vancouver BC V6C 1T2 Canada

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Report Date: September 20, 2009

Page: 2 of 3 Part 2

QUALITY CONTROL REPORT

VAN09004060.1

| | | 1DX15 La ppm | 1DX15 Cr ppm | 1DX15 Mg % | 1DX15 Ba ppm | 1DX15 Ti % | 1DX15 B ppm | 1DX15 Al % | 1DX15 Na % | 1DX15 K % | 1DX15 W ppm | 1DX15 Hg ppm | 1DX15 Sc ppm | 1DX15 Ti ppm | 1DX15 S % | 1DX15 Ga ppm | 1DX15 Se ppm |
|---------------------|----------|--------------------|--------------------|------------------|--------------------|------------------|-------------------|------------------|------------------|-----------------|-------------------|--------------------|--------------------|--------------------|-----------------|--------------------|--------------------|
| | | 1 | 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 |
| MCK-61055 | Soil | 4 | 26 | 1.27 | 150 | 0.242 | <1 | 2.63 | 0.010 | 0.57 | <0.1 | <0.01 | 3.1 | 0.2 | <0.05 | 8 | <0.5 |
| REP MCK-61055 | QC | 4 | 27 | 1.27 | 153 | 0.242 | <1 | 2.61 | 0.012 | 0.57 | 0.1 | <0.01 | 2.9 | 0.3 | <0.05 | 8 | <0.5 |
| MCK-61071 | Soil | 9 | 41 | 0.59 | 213 | 0.116 | <1 | 1.59 | 0.016 | 0.15 | <0.1 | 0.03 | 4.8 | <0.1 | <0.05 | 5 | <0.5 |
| REP MCK-61071 | QC | 9 | 40 | 0.57 | 218 | 0.115 | <1 | 1.57 | 0.016 | 0.15 | <0.1 | 0.02 | 4.7 | <0.1 | <0.05 | 5 | <0.5 |
| MCK-67015 | Soil | 10 | 46 | 0.81 | 133 | 0.131 | <1 | 2.11 | 0.011 | 0.22 | 0.1 | 0.01 | 3.6 | 0.2 | <0.05 | 6 | <0.5 |
| REP MCK-67015 | QC | 10 | 47 | 0.83 | 134 | 0.133 | 2 | 2.16 | 0.011 | 0.22 | 0.1 | 0.02 | 3.4 | 0.2 | <0.05 | 6 | <0.5 |
| MCK-67019 | Soil | 25 | 64 | 1.06 | 216 | 0.149 | <1 | 2.21 | 0.015 | 0.26 | 0.1 | 0.01 | 3.2 | 0.2 | <0.05 | 6 | <0.5 |
| REP MCK-67019 | QC | 25 | 65 | 1.04 | 221 | 0.146 | <1 | 2.19 | 0.014 | 0.25 | 0.1 | <0.01 | 3.1 | 0.2 | <0.05 | 6 | <0.5 |
| Reference Materials | | | | | | | | | | | | | | | | | |
| STD DS7 | Standard | 13 | 167 | 1.03 | 407 | 0.117 | 41 | 0.95 | 0.089 | 0.43 | 4.2 | 0.20 | 2.4 | 4.3 | 0.20 | 5 | 3.8 |
| STD DS7 | Standard | 12 | 165 | 1.04 | 398 | 0.117 | 41 | 1.00 | 0.088 | 0.42 | 4.1 | 0.21 | 2.7 | 4.3 | 0.22 | 4 | 3.7 |
| STD DS7 | Standard | 12 | 168 | 0.99 | 401 | 0.118 | 40 | 0.97 | 0.085 | 0.42 | 4.2 | 0.23 | 2.5 | 4.1 | 0.21 | 4 | 3.3 |
| STD DS7 | Standard | 11 | 164 | 0.96 | 392 | 0.102 | 37 | 0.88 | 0.078 | 0.40 | 3.9 | 0.20 | 2.3 | 4.2 | 0.24 | 4 | 4.0 |
| STD DS7 | Standard | 12 | 169 | 0.97 | 385 | 0.105 | 40 | 1.02 | 0.097 | 0.39 | 4.0 | 0.20 | 2.4 | 4.2 | 0.20 | 4 | 3.5 |
| STD DS7 | Standard | 12 | 178 | 0.97 | 367 | 0.104 | 37 | 0.93 | 0.079 | 0.40 | 4.1 | 0.18 | 2.3 | 4.4 | 0.21 | 4 | 4.2 |
| STD DS7 | Standard | 12 | 166 | 0.95 | 373 | 0.111 | 37 | 0.89 | 0.067 | 0.39 | 4.3 | 0.21 | 2.0 | 4.4 | 0.21 | 4 | 3.3 |
| STD DS7 | Standard | 13 | 175 | 0.98 | 378 | 0.115 | 39 | 0.97 | 0.084 | 0.41 | 3.9 | 0.17 | 2.2 | 4.4 | 0.20 | 5 | 3.0 |
| STD DS7 | Standard | 12 | 178 | 1.06 | 429 | 0.100 | 41 | 1.01 | 0.090 | 0.48 | 4.4 | 0.21 | 1.9 | 4.5 | 0.23 | 5 | 3.4 |
| STD DS7 | Standard | 11 | 173 | 0.96 | 377 | 0.113 | 38 | 0.91 | 0.081 | 0.39 | 3.7 | 0.17 | 2.0 | 3.6 | 0.17 | 4 | 3.3 |
| STD DS7 Expected | | 12 | 179 | 1.05 | 370 | 0.124 | 39 | 0.959 | 0.089 | 0.44 | 3.4 | 0.2 | 2.5 | 4.2 | 0.19 | 5 | 3.5 |
| BLK | Blank | <1 | <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 |
| BLK | Blank | <1 | <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 |
| BLK | Blank | <1 | <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 |
| BLK | Blank | <1 | <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 |
| BLK | Blank | <1 | <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 |
| BLK | Blank | <1 | <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 |
| BLK | Blank | <1 | <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 |
| BLK | Blank | <1 | <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 |
| BLK | Blank | <1 | <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 |
| BLK | Blank | <1 | <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 |



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: Underworld Resources, Inc.

1500 - 409 Granville Street

Vancouver BC V6C 1T2 Canada

Project: MCK

Report Date: September 20, 2009

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QUALITY CONTROL REPORT

VAN09004060.1

| | | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P |
| | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| | | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.1 | 0.5 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 |
| BLK | Blank | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.1 | <0.5 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 | <0.001 |



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: Underworld Resources, Inc.

1500 - 409 Granville Street

Vancouver BC V6C 1T2 Canada

Project: MCK

Report Date: September 20, 2009

Page: 3 of 3 **Part** 2

QUALITY CONTROL REPORT

VAN09004060.1

| | | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|-----|-------|-------|-------|-------|-------|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se |
| | | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | | 1 | 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 |
| BLK | Blank | <1 | <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 |