



BUREAU VERITAS MINERAL LABORATORIES
Canada

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA
PHONE (604) 253-3158

Client: Geological Survey of Canada
Room 659 - 601 Booth St.
Ottawa ON K1A 0E8 CANADA

Submitted By: Alexandre Zagorevski
Receiving Lab: Canada-Vancouver
Received: February 23, 2015
Report Date: March 17, 2015
Page: 1 of 6

CERTIFICATE OF ANALYSIS

VAN15000428.1

CLIENT JOB INFORMATION

Project: Cordillera
Shipment ID:
P.O. Number: 3000570985
Number of Samples: 136

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

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

Invoice To: Geological Survey of Canada
Room 659 - 601 Booth St.
Ottawa ON K1A 0E8
CANADA

CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Procedure Code | Number of Samples | Code Description | Test Wgt (g) | Report Status | Lab |
|----------------|-------------------|---|--------------|---------------|-----|
| PRP80-250 | 136 | Crush, split and pulverize 250 g rock to 200 mesh | | | VAN |
| LF202 | 136 | Whole Rock Analysis Majors and Trace Elements | 0.2 | Completed | VAN |
| AQ200 | 136 | 1:1:1 Aqua Regia digestion ICP-analysis | 0.5 | 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. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
*** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Report Date: March 17, 2015

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Part: 1 of 5

CERTIFICATE OF ANALYSIS

VAN15000428.1

| Method | WGHT | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 |
|------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| Analyte | Wgt | SiO2 | Al2O3 | Fe2O3 | MgO | CaO | Na2O | K2O | TiO2 | P2O5 | MnO | Cr2O3 | Ni | Sc | LOI | Sum | Ba | Be | Co | Cs | |
| Unit | kg | % | % | % | % | % | % | % | % | % | % | % | ppm | ppm | % | % | ppm | ppm | ppm | ppm | |
| MDL | 0.01 | 0.01 | 0.01 | 0.04 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.002 | 20 | 1 | -5.1 | 0.01 | 1 | 1 | 0.2 | 0.1 | |
| 00GGA034A | Rock | 0.36 | 74.70 | 12.94 | 2.29 | 0.27 | 1.19 | 3.20 | 4.41 | 0.20 | 0.04 | 0.04 | <0.002 | <20 | 5 | 0.5 | 99.78 | 1467 | 5 | 2.0 | 1.7 |
| 00GGA065A | Rock | 0.36 | 75.47 | 12.03 | 1.59 | 1.29 | 0.36 | 2.04 | 4.70 | 0.07 | <0.01 | 0.02 | <0.002 | <20 | 5 | 2.1 | 99.63 | 2706 | 2 | 0.7 | 0.1 |
| 00GGA069A | Rock | 0.24 | 73.31 | 11.49 | 3.25 | 1.09 | 1.75 | 1.78 | 3.63 | 0.45 | 0.09 | 0.07 | 0.004 | <20 | 9 | 2.7 | 99.65 | 2507 | <1 | 4.2 | 0.6 |
| 00GGA075A | Rock | 0.26 | 69.76 | 14.34 | 3.36 | 0.97 | 2.56 | 2.80 | 4.56 | 0.41 | 0.10 | 0.06 | 0.003 | <20 | 8 | 0.7 | 99.67 | 2113 | <1 | 5.4 | 3.1 |
| 00GGA103A | Rock | 0.34 | 76.18 | 12.45 | 1.61 | 0.47 | 0.02 | 0.99 | 6.87 | 0.16 | 0.03 | 0.02 | <0.002 | <20 | 4 | 0.9 | 99.71 | 2102 | <1 | 0.8 | 1.2 |
| 00GGA106A | Rock | 0.15 | 74.20 | 12.38 | 3.03 | 1.40 | 0.13 | <0.01 | 5.35 | 0.41 | 0.10 | 0.03 | 0.003 | <20 | 7 | 2.7 | 99.73 | 1850 | <1 | 2.8 | 1.1 |
| 00GGA224A | Rock | 0.27 | 70.13 | 15.46 | 1.68 | 0.05 | 0.11 | 4.49 | 7.26 | 0.09 | 0.01 | 0.03 | <0.002 | <20 | <1 | 0.4 | 99.71 | 1645 | 2 | 2.0 | 1.1 |
| 00RAY016A | Rock | 0.60 | 52.71 | 16.35 | 11.06 | 5.62 | 7.24 | 4.43 | 0.22 | 0.89 | 0.05 | 0.18 | 0.004 | 21 | 41 | 1.0 | 99.80 | 117 | <1 | 33.6 | 0.2 |
| 00RAY027A | Rock | 0.46 | 68.00 | 15.34 | 3.22 | 2.31 | 1.52 | 3.58 | 3.95 | 0.32 | 0.11 | 0.05 | 0.007 | 26 | 6 | 1.2 | 99.61 | 2489 | 6 | 8.1 | 5.3 |
| 00RAY034A | Rock | 0.31 | 57.51 | 14.83 | 11.31 | 2.96 | 5.45 | 4.13 | 0.76 | 0.96 | 0.14 | 0.16 | <0.002 | <20 | 30 | 1.6 | 99.84 | 138 | <1 | 23.2 | 0.8 |
| 00RAY044A | Rock | 0.46 | 74.13 | 13.14 | 2.28 | 0.35 | 1.22 | 2.91 | 4.66 | 0.25 | 0.05 | 0.03 | <0.002 | <20 | 6 | 0.7 | 99.74 | 1890 | 2 | 2.0 | 2.9 |
| 00RAY072B | Rock | 0.38 | 77.66 | 11.65 | 3.05 | 0.24 | 1.09 | 4.80 | 0.84 | 0.25 | 0.05 | 0.03 | <0.002 | <20 | 11 | 0.3 | 99.95 | 123 | <1 | 1.5 | 0.3 |
| 00RAY073A | Rock | 0.52 | 74.97 | 12.98 | 1.88 | 0.23 | 0.99 | 2.79 | 5.17 | 0.18 | 0.02 | 0.03 | <0.002 | <20 | 4 | 0.5 | 99.75 | 1667 | 4 | 1.6 | 5.0 |
| 00RAY079B | Rock | 0.29 | 70.48 | 14.98 | 3.27 | 0.55 | 1.33 | 3.74 | 4.07 | 0.23 | 0.08 | 0.08 | <0.002 | <20 | 2 | 0.9 | 99.72 | 1778 | 4 | 3.2 | 1.3 |
| 00RAY090A | Rock | 0.46 | 74.17 | 14.90 | 1.27 | 0.19 | 1.76 | 5.29 | 1.26 | 0.08 | 0.02 | 0.01 | <0.002 | <20 | 1 | 0.8 | 99.73 | 1135 | <1 | 0.8 | 0.2 |
| 00RAY117B | Rock | 0.41 | 79.97 | 10.88 | 1.59 | 0.37 | 0.81 | 4.46 | 0.95 | 0.09 | <0.01 | 0.02 | <0.002 | <20 | 6 | 0.7 | 99.88 | 354 | 2 | 1.2 | 0.2 |
| 00RAY158A | Rock | 0.35 | 65.59 | 12.90 | 8.05 | 2.62 | 5.77 | 1.33 | 1.32 | 0.85 | 0.21 | 0.13 | 0.011 | <20 | 26 | 0.9 | 99.70 | 1552 | <1 | 9.5 | 1.5 |
| 00RAY163B | Rock | 0.40 | 77.83 | 12.52 | 2.33 | 0.21 | 1.69 | 3.46 | 0.87 | 0.11 | <0.01 | 0.02 | <0.002 | <20 | 7 | 0.7 | 99.74 | 1759 | <1 | 1.6 | 0.2 |
| 00RAY202A | Rock | 0.35 | 75.15 | 13.25 | 1.97 | 0.12 | 0.28 | 3.79 | 3.96 | 0.14 | 0.02 | 0.01 | <0.002 | <20 | 3 | 1.0 | 99.67 | 2552 | 3 | 0.7 | 1.1 |
| 00RAY228A | Rock | 0.18 | 70.28 | 14.64 | 4.58 | 0.86 | 2.71 | 5.65 | 0.17 | 0.45 | 0.11 | 0.09 | <0.002 | 23 | 14 | 0.4 | 99.94 | 43 | <1 | 5.7 | 0.2 |
| 00RAY240A | Rock | 0.29 | 69.89 | 16.07 | 1.32 | 0.05 | 0.17 | 5.37 | 6.27 | 0.09 | 0.03 | 0.02 | <0.002 | <20 | <1 | 0.4 | 99.68 | 1836 | 6 | 0.5 | 2.2 |
| 00RAY259B | Rock | 0.25 | 70.35 | 14.69 | 3.62 | 0.49 | 2.00 | 3.48 | 3.73 | 0.28 | 0.08 | 0.06 | <0.002 | <20 | 3 | 0.8 | 99.62 | 2430 | 5 | 3.1 | 1.0 |
| 00RAY260A | Rock | 0.44 | 67.07 | 14.49 | 6.97 | 0.65 | 2.27 | 4.30 | 1.42 | 0.90 | 0.28 | 0.12 | <0.002 | <20 | 14 | 1.4 | 99.86 | 389 | <1 | 9.0 | 1.0 |
| 00RAY263A1 | Rock | 0.44 | 68.26 | 15.80 | 5.01 | 1.87 | 1.24 | 1.69 | 3.55 | 0.59 | 0.14 | 0.06 | 0.009 | 29 | 11 | 1.6 | 99.81 | 606 | <1 | 11.4 | 2.6 |
| 00RAY264A | Rock | 0.29 | 61.45 | 15.09 | 8.36 | 2.30 | 6.02 | 4.11 | 0.46 | 0.89 | 0.21 | 0.11 | <0.002 | <20 | 23 | 0.8 | 99.81 | 111 | <1 | 15.6 | 0.3 |
| 00RAY270C | Rock | 0.38 | 70.78 | 12.75 | 3.41 | 0.53 | 1.00 | 0.46 | 9.72 | 0.31 | 0.06 | 0.05 | <0.002 | <20 | 3 | 0.4 | 99.46 | 2745 | 6 | 3.8 | 0.7 |
| 00RAY274A | Rock | 0.20 | 77.56 | 12.73 | 1.43 | 0.02 | 0.31 | 3.35 | 4.46 | 0.05 | 0.01 | 0.02 | <0.002 | <20 | 8 | 0.0 | 99.95 | 131 | 8 | <0.2 | 4.4 |
| 00RAY-2-6B | Rock | 0.28 | 76.84 | 13.64 | 2.28 | 0.19 | 0.08 | 2.15 | 2.89 | 0.12 | 0.02 | 0.01 | <0.002 | <20 | 3 | 1.6 | 99.83 | 1129 | <1 | 1.2 | 2.2 |
| VN-00-15C | Rock | 0.52 | 70.45 | 14.55 | 3.35 | 0.55 | 2.17 | 3.47 | 4.03 | 0.23 | 0.08 | 0.09 | <0.002 | <20 | 2 | 0.7 | 99.69 | 1886 | 4 | 3.0 | 2.1 |
| 01RAY079C | Rock | 0.29 | 71.12 | 16.46 | 1.30 | 0.36 | 1.98 | 5.01 | 2.61 | 0.12 | 0.03 | 0.01 | <0.002 | <20 | 1 | 0.5 | 99.53 | 2563 | <1 | 1.4 | 0.5 |



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Project: Cordillera

Report Date: March 17, 2015

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Part: 2 of 5

CERTIFICATE OF ANALYSIS

VAN15000428.1

| Method Analyte | Unit | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 |
|----------------|------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Ga | Hf | Nb | Rb | Sn | Sr | Ta | Th | U | V | W | Zr | Y | La | Ce | Pr | Nd | Sm | Eu | Gd | |
| MDL | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | | 0.5 | 0.1 | 0.1 | 0.1 | 1 | 0.5 | 0.1 | 0.2 | 0.1 | 8 | 0.5 | 0.1 | 0.1 | 0.1 | 0.02 | 0.3 | 0.05 | 0.02 | 0.05 | | |
| 00GGA034A | Rock | 16.3 | 4.7 | 7.9 | 148.6 | 1 | 69.3 | 0.6 | 13.7 | 3.2 | 19 | <0.5 | 149.6 | 21.7 | 22.9 | 66.7 | 4.77 | 15.6 | 3.08 | 0.37 | 3.51 | |
| 00GGA065A | Rock | 16.4 | 3.6 | 10.7 | 119.7 | 3 | 80.6 | 0.5 | 15.3 | 3.8 | 13 | 0.9 | 96.4 | 28.2 | 29.3 | 58.7 | 7.29 | 26.5 | 6.28 | 0.81 | 6.01 | |
| 00GGA069A | Rock | 13.5 | 4.5 | 11.3 | 121.2 | 2 | 46.8 | 0.7 | 11.0 | 2.5 | 30 | 6.0 | 155.8 | 28.3 | 34.4 | 62.4 | 7.38 | 28.6 | 5.17 | 1.01 | 4.93 | |
| 00GGA075A | Rock | 16.5 | 4.7 | 11.0 | 158.6 | 1 | 236.8 | 0.7 | 16.7 | 4.0 | 30 | 2.7 | 167.1 | 21.4 | 36.5 | 94.2 | 7.02 | 24.7 | 4.72 | 1.03 | 4.57 | |
| 00GGA103A | Rock | 14.5 | 3.7 | 9.7 | 135.2 | 2 | 74.4 | 0.8 | 18.5 | 2.9 | 10 | 0.8 | 127.0 | 20.6 | 39.1 | 77.7 | 7.86 | 27.1 | 4.67 | 0.64 | 3.93 | |
| 00GGA106A | Rock | 14.8 | 3.8 | 10.0 | 186.8 | 2 | 10.4 | 0.6 | 12.0 | 1.8 | 27 | 3.3 | 145.2 | 18.9 | 15.9 | 43.6 | 3.64 | 13.2 | 2.45 | 0.40 | 2.50 | |
| 00GGA224A | Rock | 20.7 | 3.8 | 5.7 | 113.4 | <1 | 686.4 | 0.2 | 5.7 | 2.3 | 36 | <0.5 | 136.5 | 6.9 | 9.1 | 18.5 | 1.57 | 5.4 | 0.93 | 0.16 | 0.95 | |
| 00RAY016A | Rock | 14.0 | 1.6 | 0.7 | 2.6 | <1 | 132.3 | <0.1 | 0.6 | 0.1 | 321 | <0.5 | 57.1 | 19.2 | 3.9 | 10.8 | 1.55 | 7.7 | 2.20 | 0.83 | 3.04 | |
| 00RAY027A | Rock | 16.6 | 4.0 | 12.2 | 162.6 | 3 | 209.0 | 1.3 | 15.6 | 6.0 | 35 | 1.5 | 134.6 | 8.0 | 29.5 | 60.3 | 5.73 | 19.3 | 2.96 | 0.84 | 2.51 | |
| 00RAY034A | Rock | 14.5 | 2.1 | 3.1 | 13.9 | <1 | 312.4 | 0.2 | 1.7 | 0.6 | 158 | <0.5 | 74.1 | 27.2 | 8.1 | 18.2 | 2.38 | 11.5 | 3.07 | 1.06 | 3.97 | |
| 00RAY044A | Rock | 15.2 | 4.7 | 7.9 | 140.1 | 1 | 106.6 | 0.6 | 13.9 | 3.2 | 10 | <0.5 | 157.3 | 11.7 | 17.6 | 76.6 | 3.47 | 11.7 | 1.90 | 0.26 | 2.07 | |
| 00RAY072B | Rock | 11.0 | 4.1 | 5.3 | 16.0 | <1 | 79.6 | 0.3 | 2.6 | 0.7 | <8 | <0.5 | 152.8 | 25.0 | 9.1 | 23.0 | 2.70 | 11.4 | 3.15 | 0.84 | 3.60 | |
| 00RAY073A | Rock | 13.9 | 4.2 | 6.6 | 154.2 | 1 | 126.8 | 0.5 | 14.6 | 2.7 | <8 | <0.5 | 133.4 | 16.6 | 39.4 | 77.1 | 8.36 | 32.6 | 5.02 | 0.40 | 4.21 | |
| 00RAY079B | Rock | 15.7 | 4.3 | 9.8 | 125.1 | 1 | 303.2 | 0.9 | 19.1 | 4.8 | 15 | 1.1 | 174.1 | 7.6 | 8.7 | 52.4 | 1.65 | 5.2 | 1.14 | 0.29 | 1.30 | |
| 00RAY090A | Rock | 15.5 | 1.4 | 0.9 | 22.6 | <1 | 1101.8 | <0.1 | 0.3 | 0.5 | <8 | <0.5 | 51.2 | 3.1 | 0.8 | 1.6 | 0.16 | 0.7 | 0.17 | <0.02 | 0.28 | |
| 00RAY117B | Rock | 10.3 | 7.1 | 3.8 | 27.0 | <1 | 169.8 | 0.2 | 26.7 | 10.4 | 8 | <0.5 | 225.9 | 52.6 | 37.3 | 97.6 | 8.74 | 31.9 | 6.77 | 0.76 | 7.20 | |
| 00RAY158A | Rock | 14.6 | 1.9 | 6.8 | 47.4 | <1 | 281.4 | 0.4 | 2.3 | 1.7 | 117 | <0.5 | 82.1 | 22.1 | 13.2 | 28.8 | 3.75 | 16.4 | 4.18 | 0.79 | 4.38 | |
| 00RAY163B | Rock | 17.7 | 4.8 | 12.0 | 19.8 | 2 | 322.5 | 1.1 | 12.7 | 2.8 | <8 | <0.5 | 169.8 | 15.8 | 13.3 | 31.9 | 2.77 | 10.2 | 1.65 | 0.35 | 1.73 | |
| 00RAY202A | Rock | 15.9 | 4.5 | 13.5 | 99.6 | 1 | 118.4 | 1.0 | 9.9 | 1.6 | 9 | 2.0 | 160.5 | 14.5 | 17.6 | 36.6 | 3.34 | 12.3 | 2.36 | 0.27 | 1.98 | |
| 00RAY228A | Rock | 14.1 | 2.8 | 2.2 | 2.6 | <1 | 173.8 | 0.1 | 0.6 | 0.1 | 23 | <0.5 | 111.3 | 18.1 | 4.9 | 13.4 | 1.63 | 7.6 | 2.17 | 0.67 | 2.44 | |
| 00RAY240A | Rock | 20.7 | 4.0 | 10.4 | 98.9 | 1 | 824.3 | 0.3 | 4.6 | 2.1 | 17 | <0.5 | 130.3 | 5.5 | 7.1 | 10.2 | 1.10 | 3.6 | 0.79 | 0.18 | 0.88 | |
| 00RAY259B | Rock | 16.9 | 5.4 | 11.5 | 104.9 | 1 | 418.4 | 0.8 | 16.9 | 4.2 | 14 | 1.0 | 215.4 | 14.4 | 29.0 | 68.5 | 5.63 | 19.1 | 3.35 | 0.94 | 3.02 | |
| 00RAY260A | Rock | 15.3 | 6.0 | 5.3 | 62.1 | 1 | 123.1 | 0.3 | 3.3 | 1.3 | 86 | <0.5 | 208.9 | 41.1 | 15.6 | 39.0 | 5.37 | 24.2 | 6.32 | 1.50 | 6.36 | |
| 00RAY263A1 | Rock | 19.8 | 5.9 | 12.8 | 137.0 | 2 | 172.5 | 1.0 | 18.9 | 4.5 | 65 | 1.0 | 224.3 | 24.4 | 38.4 | 88.8 | 9.72 | 35.4 | 6.46 | 1.08 | 5.40 | |
| 00RAY264A | Rock | 16.9 | 4.0 | 4.4 | 12.9 | <1 | 508.1 | 0.2 | 2.3 | 1.4 | 207 | <0.5 | 137.9 | 27.7 | 11.1 | 27.0 | 3.50 | 15.9 | 4.09 | 1.13 | 4.45 | |
| 00RAY270C | Rock | 20.6 | 3.2 | 7.5 | 168.9 | 3 | 1572.0 | 0.2 | 7.4 | 3.3 | 95 | <0.5 | 129.7 | 13.0 | 21.3 | 29.4 | 2.96 | 10.8 | 1.72 | 0.34 | 1.85 | |
| 00RAY274A | Rock | 19.3 | 4.1 | 19.8 | 286.6 | 8 | 17.2 | 2.3 | 24.6 | 8.7 | <8 | 3.0 | 78.7 | 29.2 | 5.7 | 72.3 | 2.19 | 9.2 | 3.24 | 0.03 | 3.56 | |
| 00RAY-2-6B | Rock | 16.1 | 4.4 | 12.3 | 118.9 | 1 | 43.3 | 1.0 | 21.6 | 3.9 | <8 | 1.1 | 141.2 | 20.7 | 30.6 | 55.6 | 5.91 | 21.2 | 3.49 | 0.38 | 3.23 | |
| VN-00-15C | Rock | 15.1 | 4.1 | 9.8 | 128.7 | 1 | 346.3 | 1.0 | 19.7 | 7.6 | 14 | 1.0 | 174.1 | 14.2 | 42.2 | 70.0 | 6.51 | 22.2 | 3.69 | 0.81 | 2.71 | |
| 01RAY079C | Rock | 21.7 | 2.1 | 4.1 | 40.8 | <1 | 1471.8 | 0.1 | <0.2 | 0.3 | 17 | <0.5 | 71.2 | 0.9 | 0.8 | 0.2 | <0.02 | <0.3 | <0.05 | <0.02 | 0.09 | |



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| Method Analyte Unit MDL | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | TC000 | TC000 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| | Tb | Dy | Ho | Er | Tm | Yb | Lu | TOT/C | TOT/S | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | |
| | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | |
| | 0.01 | 0.05 | 0.02 | 0.03 | 0.01 | 0.05 | 0.01 | 0.02 | 0.02 | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | |
| 00GGA034A | Rock | 0.63 | 4.02 | 0.82 | 2.35 | 0.39 | 2.23 | 0.34 | <0.02 | <0.02 | 0.1 | 1.2 | 6.2 | 38 | <0.1 | 1.4 | 1.6 | 185 | 1.08 | 1.1 | <0.5 |
| 00GGA065A | Rock | 0.93 | 5.24 | 1.03 | 3.12 | 0.42 | 2.78 | 0.40 | 0.13 | 0.46 | 0.9 | 0.9 | 4.8 | 9 | <0.1 | 0.5 | 0.4 | 93 | 0.77 | <0.5 | <0.5 |
| 00GGA069A | Rock | 0.75 | 4.52 | 0.91 | 2.71 | 0.36 | 2.42 | 0.36 | 0.34 | <0.02 | 0.2 | 6.5 | 13.8 | 25 | 0.1 | 6.6 | 2.9 | 402 | 0.90 | 1.1 | 0.5 |
| 00GGA075A | Rock | 0.68 | 4.04 | 0.79 | 2.28 | 0.32 | 2.09 | 0.33 | <0.02 | <0.02 | 0.4 | 1.8 | 4.1 | 52 | <0.1 | 10.6 | 6.2 | 381 | 1.93 | <0.5 | 0.8 |
| 00GGA103A | Rock | 0.61 | 3.38 | 0.67 | 2.12 | 0.31 | 2.15 | 0.33 | <0.02 | <0.02 | 0.2 | 3.4 | 15.8 | 6 | 0.3 | 0.8 | 0.3 | 38 | 0.33 | 3.1 | 1.0 |
| 00GGA106A | Rock | 0.44 | 2.80 | 0.63 | 2.14 | 0.28 | 1.94 | 0.26 | 0.02 | <0.02 | 0.1 | 6.9 | 2.0 | 20 | <0.1 | 1.3 | 0.7 | 76 | 0.55 | 2.7 | 0.8 |
| 00GGA224A | Rock | 0.15 | 1.00 | 0.20 | 0.74 | 0.12 | 0.89 | 0.15 | <0.02 | <0.02 | 0.1 | 1.3 | 7.7 | 20 | <0.1 | 1.9 | 1.9 | 219 | 0.72 | 1.2 | 0.6 |
| 00RAY016A | Rock | 0.53 | 3.57 | 0.74 | 2.33 | 0.34 | 2.11 | 0.36 | <0.02 | <0.02 | <0.1 | 32.6 | 0.1 | 21 | <0.1 | 6.6 | 9.3 | 271 | 1.73 | <0.5 | 0.6 |
| 00RAY027A | Rock | 0.31 | 1.75 | 0.28 | 0.84 | 0.11 | 0.73 | 0.11 | <0.02 | <0.02 | 0.1 | 2.4 | 11.9 | 49 | <0.1 | 26.0 | 8.3 | 340 | 1.85 | 0.9 | 0.9 |
| 00RAY034A | Rock | 0.75 | 4.85 | 1.02 | 3.18 | 0.44 | 2.95 | 0.47 | 0.06 | <0.02 | 0.7 | 22.5 | 2.9 | 50 | <0.1 | 1.8 | 14.3 | 396 | 3.81 | <0.5 | <0.5 |
| 00RAY044A | Rock | 0.35 | 2.01 | 0.44 | 1.42 | 0.22 | 1.62 | 0.24 | <0.02 | <0.02 | 0.1 | 2.9 | 3.6 | 39 | <0.1 | 1.4 | 2.1 | 199 | 1.36 | <0.5 | <0.5 |
| 00RAY072B | Rock | 0.67 | 4.06 | 0.89 | 3.14 | 0.45 | 3.19 | 0.51 | 0.02 | <0.02 | 0.1 | 3.8 | 0.4 | 49 | <0.1 | 0.9 | 1.2 | 238 | 1.88 | 0.6 | 0.9 |
| 00RAY073A | Rock | 0.58 | 3.22 | 0.64 | 1.87 | 0.30 | 1.95 | 0.31 | <0.02 | <0.02 | 0.2 | 2.2 | 5.9 | 38 | <0.1 | 1.1 | 1.6 | 147 | 1.21 | 0.7 | <0.5 |
| 00RAY079B | Rock | 0.18 | 1.12 | 0.24 | 0.89 | 0.16 | 1.17 | 0.18 | <0.02 | <0.02 | 0.2 | 2.6 | 5.8 | 37 | <0.1 | 1.9 | 3.4 | 422 | 1.52 | 0.7 | 0.7 |
| 00RAY090A | Rock | 0.05 | 0.35 | 0.11 | 0.31 | 0.05 | 0.35 | 0.06 | <0.02 | <0.02 | <0.1 | 1.6 | 1.0 | 7 | <0.1 | 0.7 | 0.6 | 66 | 0.46 | <0.5 | 0.7 |
| 00RAY117B | Rock | 1.39 | 9.13 | 2.01 | 6.30 | 0.93 | 5.94 | 0.87 | <0.02 | <0.02 | <0.1 | 0.7 | 3.0 | 16 | <0.1 | 0.8 | 1.2 | 121 | 0.84 | 0.7 | <0.5 |
| 00RAY158A | Rock | 0.71 | 4.18 | 0.86 | 2.49 | 0.35 | 2.12 | 0.33 | 0.03 | 0.04 | 1.1 | 21.2 | 0.7 | 82 | <0.1 | 8.8 | 7.8 | 313 | 3.11 | <0.5 | 1.6 |
| 00RAY163B | Rock | 0.32 | 2.05 | 0.56 | 2.33 | 0.39 | 2.51 | 0.41 | <0.02 | <0.02 | 0.4 | 11.5 | 1.9 | 4 | <0.1 | 0.9 | 1.3 | 45 | 0.61 | 0.6 | 1.1 |
| 00RAY202A | Rock | 0.36 | 2.13 | 0.51 | 1.61 | 0.25 | 1.88 | 0.27 | 0.02 | <0.02 | 1.2 | 2.0 | 1.9 | 10 | <0.1 | 1.1 | 0.7 | 95 | 1.03 | <0.5 | <0.5 |
| 00RAY228A | Rock | 0.46 | 3.04 | 0.63 | 1.90 | 0.31 | 2.11 | 0.34 | 0.04 | <0.02 | 0.1 | 18.0 | 0.6 | 49 | <0.1 | 18.6 | 5.0 | 242 | 1.94 | 0.6 | 0.8 |
| 00RAY240A | Rock | 0.13 | 0.87 | 0.17 | 0.58 | 0.10 | 0.77 | 0.13 | 0.03 | <0.02 | <0.1 | 1.5 | 13.3 | 18 | <0.1 | 1.6 | 0.5 | 149 | 0.67 | 0.6 | <0.5 |
| 00RAY259B | Rock | 0.44 | 2.52 | 0.54 | 1.54 | 0.24 | 1.56 | 0.27 | 0.02 | <0.02 | 0.2 | 3.1 | 2.2 | 33 | <0.1 | 1.8 | 2.9 | 334 | 1.75 | <0.5 | 0.8 |
| 00RAY260A | Rock | 1.05 | 6.74 | 1.44 | 4.26 | 0.61 | 4.07 | 0.62 | 0.09 | <0.02 | 0.3 | 29.6 | 1.1 | 86 | <0.1 | 4.8 | 9.0 | 641 | 2.48 | <0.5 | <0.5 |
| 00RAY263A1 | Rock | 0.79 | 4.52 | 0.90 | 2.53 | 0.37 | 2.47 | 0.38 | 0.04 | <0.02 | 1.7 | 15.1 | 4.9 | 39 | <0.1 | 27.0 | 10.7 | 113 | 2.25 | <0.5 | <0.5 |
| 00RAY264A | Rock | 0.76 | 4.92 | 1.01 | 3.15 | 0.44 | 2.87 | 0.44 | <0.02 | <0.02 | <0.1 | 106.2 | 1.7 | 25 | <0.1 | 2.4 | 5.6 | 192 | 1.60 | <0.5 | 4.1 |
| 00RAY270C | Rock | 0.27 | 1.84 | 0.39 | 1.22 | 0.22 | 1.20 | 0.22 | <0.02 | <0.02 | <0.1 | 3.0 | 3.8 | 30 | <0.1 | 9.9 | 3.1 | 197 | 1.42 | <0.5 | <0.5 |
| 00RAY274A | Rock | 0.78 | 5.43 | 1.15 | 4.19 | 0.81 | 5.92 | 0.89 | 0.02 | <0.02 | 0.6 | 10.2 | 6.5 | 13 | <0.1 | 2.1 | 0.2 | 60 | 0.60 | 6.7 | <0.5 |
| 00RAY-2-6B | Rock | 0.54 | 3.22 | 0.72 | 2.22 | 0.32 | 2.08 | 0.27 | <0.02 | <0.02 | 0.3 | 1.8 | 3.8 | 10 | <0.1 | 2.7 | 0.6 | 56 | 0.48 | 0.6 | 0.5 |
| VN-00-15C | Rock | 0.37 | 2.40 | 0.43 | 1.30 | 0.20 | 1.43 | 0.22 | 0.04 | 0.02 | 1.3 | 8.8 | 3.2 | 37 | <0.1 | 2.0 | 3.6 | 431 | 1.67 | <0.5 | 0.6 |
| 01RAY079C | Rock | 0.01 | 0.15 | 0.03 | 0.11 | 0.01 | 0.09 | 0.02 | 0.02 | <0.02 | 0.1 | 1.7 | 0.9 | 14 | <0.1 | 1.0 | 0.9 | 66 | 0.39 | <0.5 | <0.5 |



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Ottawa ON K1A 0E8 CANADA

Project: Cordillera

Report Date: March 17, 2015

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Part: 4 of 5

CERTIFICATE OF ANALYSIS

VAN15000428.1

| Method Analyte Unit MDL | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 |
|-------------------------|--------|--------|--------|--------|--------|-------|-------|-------|--------|--------|-------|--------|-------|--------|-------|-------|-------|-------|--------|--------|-------|
| | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm | Hg ppm | Sc ppm | |
| 00GGA034A | Rock | 13.9 | 8 | <0.1 | <0.1 | <0.1 | 3 | 0.13 | 0.017 | 22 | 4 | 0.12 | 104 | 0.032 | <20 | 0.52 | 0.063 | 0.30 | <0.1 | <0.01 | 1.2 |
| 00GGA065A | Rock | 15.2 | 19 | <0.1 | <0.1 | <0.1 | <2 | 0.21 | 0.002 | 28 | 2 | 0.22 | 485 | 0.003 | <20 | 0.28 | 0.024 | 0.26 | <0.1 | <0.01 | 0.8 |
| 00GGA069A | Rock | 10.4 | 24 | 0.1 | 0.2 | <0.1 | <2 | 1.18 | 0.034 | 30 | 11 | 0.07 | 500 | 0.004 | <20 | 0.30 | 0.015 | 0.29 | <0.1 | <0.01 | 2.5 |
| 00GGA075A | Rock | 15.1 | 12 | <0.1 | <0.1 | <0.1 | 18 | 0.22 | 0.043 | 33 | 12 | 0.53 | 193 | 0.154 | <20 | 1.05 | 0.047 | 0.82 | 1.1 | <0.01 | 1.6 |
| 00GGA103A | Rock | 12.1 | 7 | <0.1 | <0.1 | <0.1 | <2 | 0.04 | 0.003 | 17 | 2 | 0.01 | 132 | <0.001 | <20 | 0.22 | 0.011 | 0.33 | <0.1 | <0.01 | 0.4 |
| 00GGA106A | Rock | 12.4 | 4 | 0.2 | <0.1 | <0.1 | <2 | 0.11 | 0.043 | 17 | 4 | 0.07 | 234 | 0.005 | <20 | 0.50 | 0.006 | 0.51 | <0.1 | <0.01 | 0.8 |
| 00GGA224A | Rock | 4.5 | 32 | <0.1 | <0.1 | <0.1 | 22 | 0.04 | 0.006 | 10 | 3 | 0.02 | 53 | 0.006 | <20 | 0.16 | 0.047 | 0.12 | <0.1 | <0.01 | 0.8 |
| 00RAY016A | Rock | <0.1 | 4 | <0.1 | <0.1 | <0.1 | 61 | 0.74 | 0.023 | <1 | 9 | 0.71 | 26 | 0.066 | <20 | 0.96 | 0.164 | 0.03 | <0.1 | <0.01 | 7.9 |
| 00RAY027A | Rock | 13.6 | 22 | <0.1 | <0.1 | 0.3 | 18 | 0.18 | 0.044 | 24 | 28 | 1.16 | 288 | 0.138 | <20 | 1.37 | 0.042 | 1.08 | 0.1 | <0.01 | 2.5 |
| 00RAY034A | Rock | 0.4 | 25 | <0.1 | <0.1 | <0.1 | 64 | 1.08 | 0.058 | 2 | 2 | 0.83 | 14 | 0.106 | <20 | 1.29 | 0.140 | 0.08 | <0.1 | <0.01 | 9.9 |
| 00RAY044A | Rock | 14.3 | 5 | <0.1 | <0.1 | <0.1 | 6 | 0.11 | 0.018 | 17 | 5 | 0.18 | 96 | 0.055 | <20 | 0.59 | 0.031 | 0.42 | <0.1 | <0.01 | 2.5 |
| 00RAY072B | Rock | 2.4 | 3 | <0.1 | <0.1 | <0.1 | <2 | 0.11 | 0.023 | 8 | 2 | 0.15 | 43 | 0.081 | <20 | 0.53 | 0.071 | 0.33 | <0.1 | <0.01 | 8.1 |
| 00RAY073A | Rock | 16.0 | 7 | <0.1 | <0.1 | <0.1 | 5 | 0.10 | 0.012 | 41 | 4 | 0.13 | 83 | 0.032 | <20 | 0.49 | 0.037 | 0.31 | <0.1 | 0.01 | 2.7 |
| 00RAY079B | Rock | 18.8 | 15 | <0.1 | <0.1 | <0.1 | 5 | 0.15 | 0.034 | 7 | 4 | 0.20 | 162 | 0.078 | <20 | 0.69 | 0.047 | 0.55 | <0.1 | <0.01 | 0.5 |
| 00RAY090A | Rock | 0.3 | 18 | <0.1 | <0.1 | <0.1 | <2 | 0.09 | 0.008 | <1 | 2 | 0.06 | 126 | 0.019 | <20 | 0.27 | 0.055 | 0.10 | <0.1 | <0.01 | 0.4 |
| 00RAY117B | Rock | 18.6 | 13 | <0.1 | <0.1 | <0.1 | 4 | 0.10 | 0.004 | 25 | 2 | 0.19 | 22 | 0.003 | <20 | 0.40 | 0.061 | 0.05 | <0.1 | <0.01 | 2.5 |
| 00RAY158A | Rock | 1.5 | 15 | <0.1 | <0.1 | <0.1 | 47 | 0.48 | 0.097 | 2 | 44 | 0.95 | 1101 | 0.219 | <20 | 1.63 | 0.038 | 0.88 | <0.1 | <0.01 | 7.0 |
| 00RAY163B | Rock | 11.3 | 6 | <0.1 | <0.1 | 0.4 | <2 | 0.07 | 0.003 | 9 | 2 | 0.05 | 178 | 0.007 | <20 | 0.31 | 0.046 | 0.10 | <0.1 | <0.01 | 1.3 |
| 00RAY202A | Rock | 7.8 | 7 | <0.1 | <0.1 | <0.1 | <2 | 0.05 | 0.009 | 9 | 4 | 0.02 | 249 | 0.008 | <20 | 0.20 | 0.040 | 0.17 | <0.1 | <0.01 | 1.1 |
| 00RAY228A | Rock | 0.2 | 6 | <0.1 | <0.1 | <0.1 | 11 | 0.32 | 0.050 | <1 | 2 | 0.38 | 18 | 0.049 | <20 | 0.57 | 0.112 | 0.04 | <0.1 | <0.01 | 6.4 |
| 00RAY240A | Rock | 4.3 | 37 | <0.1 | <0.1 | 0.1 | 12 | 0.06 | 0.012 | 7 | 4 | 0.02 | 54 | 0.020 | <20 | 0.18 | 0.054 | 0.10 | <0.1 | <0.01 | 0.8 |
| 00RAY259B | Rock | 14.8 | 21 | <0.1 | <0.1 | <0.1 | 6 | 0.19 | 0.033 | 26 | 3 | 0.21 | 146 | 0.099 | <20 | 0.67 | 0.049 | 0.34 | 0.1 | <0.01 | 1.0 |
| 00RAY260A | Rock | 1.6 | 7 | <0.1 | <0.1 | <0.1 | 26 | 0.59 | 0.119 | 5 | 2 | 0.28 | 69 | 0.050 | <20 | 0.58 | 0.056 | 0.12 | <0.1 | <0.01 | 3.2 |
| 00RAY263A1 | Rock | 16.4 | 7 | <0.1 | <0.1 | 0.2 | 19 | 0.17 | 0.056 | 36 | 22 | 0.86 | 97 | 0.109 | <20 | 1.50 | 0.037 | 0.94 | <0.1 | <0.01 | 2.4 |
| 00RAY264A | Rock | 0.7 | 23 | <0.1 | <0.1 | <0.1 | 45 | 0.74 | 0.096 | 2 | 2 | 0.42 | 12 | 0.055 | <20 | 0.80 | 0.131 | 0.05 | <0.1 | <0.01 | 4.7 |
| 00RAY270C | Rock | 6.9 | 78 | <0.1 | <0.1 | <0.1 | 47 | 0.28 | 0.028 | 15 | 13 | 0.20 | 85 | 0.098 | <20 | 0.54 | 0.021 | 0.37 | <0.1 | <0.01 | 1.4 |
| 00RAY274A | Rock | 23.6 | 1 | <0.1 | <0.1 | 0.2 | <2 | 0.04 | 0.006 | 6 | 3 | <0.01 | 11 | 0.003 | <20 | 0.21 | 0.043 | 0.22 | 0.1 | <0.01 | 1.3 |
| 00RAY-2-6B | Rock | 18.7 | 8 | <0.1 | <0.1 | <0.1 | <2 | 0.07 | 0.004 | 13 | 3 | 0.02 | 258 | <0.001 | <20 | 0.39 | 0.029 | 0.45 | <0.1 | 0.01 | 0.5 |
| VN-00-15C | Rock | 17.1 | 23 | <0.1 | <0.1 | <0.1 | 8 | 0.31 | 0.038 | 39 | 4 | 0.27 | 125 | 0.101 | <20 | 0.77 | 0.044 | 0.55 | <0.1 | <0.01 | 0.6 |
| 01RAY079C | Rock | 0.1 | 39 | <0.1 | <0.1 | <0.1 | <2 | 0.12 | 0.018 | <1 | 3 | 0.07 | 137 | 0.014 | <20 | 0.35 | 0.066 | 0.16 | <0.1 | <0.01 | 0.4 |



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Project: Cordillera

Report Date: March 17, 2015

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Part: 5 of 5

CERTIFICATE OF ANALYSIS

VAN15000428.1

| Method Analyte | Unit | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 |
|-------------------|------|-------|-------|-------|-------|-------|
| | | Tl | S | Ga | Se | Te |
| MDL | | ppm | % | ppm | ppm | ppm |
| | | 0.1 | 0.05 | 1 | 0.5 | 0.2 |
| 00GGA034A | Rock | 0.1 | <0.05 | 3 | <0.5 | <0.2 |
| 00GGA065A | Rock | <0.1 | 0.54 | 1 | <0.5 | <0.2 |
| 00GGA069A | Rock | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| 00GGA075A | Rock | 0.6 | <0.05 | 4 | <0.5 | <0.2 |
| 00GGA103A | Rock | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| 00GGA106A | Rock | 0.1 | <0.05 | 1 | <0.5 | <0.2 |
| 00GGA224A | Rock | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| 00RAY016A | Rock | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| 00RAY027A | Rock | 0.7 | <0.05 | 7 | <0.5 | <0.2 |
| 00RAY034A | Rock | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 00RAY044A | Rock | 0.3 | <0.05 | 4 | <0.5 | <0.2 |
| 00RAY072B | Rock | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| 00RAY073A | Rock | 0.2 | <0.05 | 3 | <0.5 | <0.2 |
| 00RAY079B | Rock | 0.3 | <0.05 | 3 | <0.5 | <0.2 |
| 00RAY090A | Rock | <0.1 | <0.05 | 1 | <0.5 | <0.2 |
| 00RAY117B | Rock | <0.1 | <0.05 | 2 | <0.5 | <0.2 |
| 00RAY158A | Rock | 0.2 | <0.05 | 5 | <0.5 | <0.2 |
| 00RAY163B | Rock | <0.1 | <0.05 | 1 | <0.5 | <0.2 |
| 00RAY202A | Rock | <0.1 | <0.05 | 1 | <0.5 | <0.2 |
| 00RAY228A | Rock | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 00RAY240A | Rock | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| 00RAY259B | Rock | 0.2 | <0.05 | 3 | <0.5 | <0.2 |
| 00RAY260A | Rock | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| 00RAY263A1 | Rock | 0.4 | <0.05 | 5 | <0.5 | <0.2 |
| 00RAY264A | Rock | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| 00RAY270C | Rock | 0.2 | <0.05 | 5 | <0.5 | <0.2 |
| 00RAY274A | Rock | 0.1 | <0.05 | 1 | 0.5 | <0.2 |
| 00RAY-2-6B | Rock | 0.1 | <0.05 | <1 | <0.5 | <0.2 |
| VN-00-15C | Rock | 0.3 | <0.05 | 4 | <0.5 | <0.2 |
| 01RAY079C | Rock | <0.1 | <0.05 | 1 | <0.5 | <0.2 |



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Project: Cordillera
Report Date: March 17, 2015

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Part: 1 of 5

CERTIFICATE OF ANALYSIS

VAN15000428.1

| Method | WGHT | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 |
|-------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| Analyte | Wgt | SiO2 | Al2O3 | Fe2O3 | MgO | CaO | Na2O | K2O | TiO2 | P2O5 | MnO | Cr2O3 | Ni | Sc | LOI | Sum | Ba | Be | Co | Cs | |
| Unit | kg | % | % | % | % | % | % | % | % | % | % | % | ppm | ppm | % | % | ppm | ppm | ppm | ppm | |
| MDL | 0.01 | 0.01 | 0.01 | 0.04 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.002 | 20 | 1 | -5.1 | 0.01 | 1 | 1 | 0.2 | 0.1 | |
| 01RAY108A | Rock | 0.23 | 72.27 | 13.68 | 2.96 | 0.81 | 1.86 | 2.61 | 4.17 | 0.34 | 0.07 | 0.06 | 0.003 | <20 | 7 | 1.0 | 99.86 | 710 | 2 | 3.5 | 4.9 |
| 01RAY111B | Rock | 0.30 | 72.66 | 14.82 | 1.89 | 0.36 | 1.88 | 5.24 | 1.83 | 0.15 | 0.03 | 0.04 | <0.002 | 22 | 2 | 0.6 | 99.51 | 3029 | 2 | 1.8 | 0.8 |
| 01RAY160A | Rock | 0.24 | 71.12 | 14.19 | 3.11 | 0.45 | 1.89 | 4.17 | 3.37 | 0.25 | 0.07 | 0.04 | <0.002 | <20 | 3 | 0.9 | 99.55 | 2707 | <1 | 2.6 | 1.0 |
| 01RAY187A1 | Rock | 0.33 | 73.49 | 13.91 | 2.38 | 0.42 | 2.03 | 3.25 | 3.52 | 0.15 | 0.05 | 0.05 | <0.002 | <20 | 3 | 0.5 | 99.76 | 1540 | <1 | 2.0 | 0.6 |
| 01RAY212A | Rock | 0.25 | 66.07 | 15.14 | 5.01 | 1.31 | 3.78 | 2.38 | 4.22 | 0.45 | 0.12 | 0.09 | 0.003 | <20 | 8 | 1.1 | 99.72 | 1164 | 4 | 9.6 | 3.2 |
| 01RAY366A1 | Rock | 0.38 | 56.96 | 14.93 | 9.50 | 5.27 | 7.73 | 3.80 | 0.45 | 0.58 | 0.08 | 0.10 | 0.011 | 27 | 32 | 0.4 | 99.82 | 67 | <1 | 26.6 | 0.2 |
| 01GGA195A1 | Rock | 0.30 | 66.03 | 15.02 | 4.81 | 1.34 | 3.61 | 2.31 | 4.57 | 0.44 | 0.11 | 0.08 | <0.002 | <20 | 8 | 1.4 | 99.72 | 1250 | 2 | 9.7 | 1.9 |
| 02GGA035A1 | Rock | 0.45 | 51.03 | 15.67 | 10.15 | 6.90 | 10.70 | 2.61 | 0.42 | 0.84 | 0.16 | 0.16 | 0.011 | 25 | 28 | 1.1 | 99.73 | 202 | <1 | 33.0 | <0.1 |
| 02RAY069A | Rock | 0.44 | 80.39 | 9.28 | 2.71 | 0.80 | 2.86 | 0.43 | 1.84 | 0.16 | 0.04 | 0.07 | <0.002 | <20 | 7 | 1.3 | 99.88 | 491 | <1 | 2.1 | 0.5 |
| 02RAY118A | Rock | 0.45 | 70.33 | 14.13 | 3.17 | 0.61 | 2.29 | 2.84 | 4.39 | 0.28 | 0.06 | 0.06 | <0.002 | <20 | 4 | 1.6 | 99.76 | 1328 | 3 | 2.9 | 3.4 |
| 02RAY162A1 | Rock | 0.75 | 50.77 | 19.10 | 11.13 | 4.32 | 9.48 | 2.71 | 0.42 | 0.64 | 0.10 | 0.19 | 0.003 | <20 | 36 | 0.9 | 99.79 | 197 | 2 | 29.5 | 0.4 |
| 02RAY236A | Rock | 0.51 | 72.88 | 13.10 | 2.37 | 0.49 | 1.09 | 2.88 | 5.27 | 0.17 | 0.03 | 0.05 | <0.002 | <20 | 2 | 1.5 | 99.82 | 1014 | 2 | 2.0 | 1.1 |
| 02RAY302A1 | Rock | 0.46 | 57.29 | 16.54 | 7.71 | 3.87 | 7.60 | 2.24 | 1.77 | 0.72 | 0.14 | 0.12 | 0.008 | 20 | 24 | 1.7 | 99.75 | 778 | 3 | 20.8 | 0.6 |
| 02RAY304A | Rock | 0.47 | 65.51 | 16.21 | 3.47 | 1.80 | 2.92 | 2.63 | 4.09 | 0.47 | 0.10 | 0.12 | <0.002 | <20 | 6 | 2.0 | 99.37 | 3883 | 3 | 2.4 | 1.9 |
| 02RAY308A1 | Rock | 0.42 | 61.60 | 16.26 | 5.40 | 2.97 | 4.29 | 2.43 | 3.05 | 0.50 | 0.15 | 0.08 | 0.004 | <20 | 14 | 2.8 | 99.56 | 1916 | <1 | 11.7 | 1.0 |
| 02RAY313A1 | Rock | 0.46 | 47.85 | 15.47 | 9.17 | 7.23 | 10.99 | 3.33 | 0.36 | 1.39 | 0.18 | 0.16 | 0.041 | 120 | 33 | 3.6 | 99.74 | 223 | <1 | 29.9 | 0.8 |
| 02RAYG085A1 | Rock | 0.52 | 52.46 | 16.49 | 12.58 | 4.28 | 2.80 | 6.55 | 0.75 | 0.88 | 0.03 | 0.12 | <0.002 | <20 | 44 | 2.9 | 99.84 | 120 | 2 | 24.8 | 0.3 |
| 02RAYG107A1 | Rock | 0.35 | 69.73 | 14.29 | 4.14 | 1.64 | 1.73 | 2.27 | 3.45 | 0.67 | 0.35 | 0.02 | 0.008 | 22 | 11 | 1.5 | 99.78 | 1114 | 3 | 8.7 | 1.9 |
| 02RAYG117A1 | Rock | 0.40 | 66.46 | 16.61 | 3.72 | 0.89 | 3.36 | 4.52 | 2.55 | 0.41 | 0.17 | 0.04 | <0.002 | <20 | 3 | 1.0 | 99.69 | 1393 | 2 | 6.1 | 0.7 |
| 02RAYG274A2 | Rock | 0.57 | 47.74 | 10.02 | 5.63 | 12.54 | 19.77 | 0.31 | 0.62 | 0.66 | 0.03 | 0.09 | 0.161 | 194 | 34 | 2.1 | 99.69 | 181 | <1 | 28.1 | 0.6 |
| 03GGAR050A1 | Rock | 0.24 | 72.82 | 14.47 | 2.00 | 0.67 | 1.94 | 2.90 | 4.29 | 0.25 | 0.07 | 0.04 | 0.003 | <20 | 5 | 0.3 | 99.77 | 1444 | 3 | 2.3 | 6.0 |
| 03GGAR131A | Rock | 0.22 | 48.61 | 14.51 | 11.94 | 8.08 | 11.52 | 2.05 | 0.25 | 1.37 | 0.11 | 0.19 | 0.049 | 121 | 41 | 1.1 | 99.75 | 61 | <1 | 43.6 | 0.1 |
| 03GGA264A1 | Rock | 0.20 | 67.24 | 15.01 | 4.79 | 1.58 | 1.66 | 5.63 | 1.64 | 0.66 | 0.20 | 0.08 | <0.002 | <20 | 14 | 1.3 | 99.77 | 1036 | <1 | 6.2 | 0.5 |
| 03GGA383A1 | Rock | 0.14 | 75.20 | 12.01 | 1.65 | 0.13 | 0.86 | 1.92 | 7.00 | 0.11 | 0.02 | 0.02 | <0.002 | <20 | 3 | 1.0 | 99.88 | 375 | 3 | 0.4 | 3.2 |
| 03GGA396A1 | Rock | 0.29 | 46.79 | 18.29 | 7.93 | 6.23 | 10.70 | 3.55 | 0.85 | 1.52 | 0.31 | 0.14 | 0.042 | 54 | 33 | 3.3 | 99.65 | 475 | 3 | 24.6 | 0.3 |
| 03GGA418A1 | Rock | 0.15 | 50.72 | 15.76 | 8.62 | 7.25 | 5.27 | 3.82 | 2.03 | 0.73 | 0.16 | 0.14 | 0.023 | 50 | 27 | 5.1 | 99.60 | 1580 | 4 | 27.1 | 1.0 |
| 03GGA419A1 | Rock | 0.15 | 51.49 | 14.46 | 8.74 | 7.62 | 7.31 | 3.71 | 1.68 | 0.73 | 0.17 | 0.14 | 0.040 | 92 | 29 | 3.5 | 99.61 | 1441 | <1 | 32.5 | 0.3 |
| 03RAY264A1 | Rock | 0.53 | 72.78 | 13.02 | 4.15 | 0.58 | 1.87 | 4.31 | 1.77 | 0.28 | 0.05 | 0.09 | <0.002 | <20 | 10 | 0.9 | 99.85 | 716 | 2 | 2.7 | 0.5 |
| 03RAY267B1 | Rock | 0.53 | 69.92 | 14.63 | 3.94 | 0.94 | 2.44 | 2.68 | 3.93 | 0.45 | 0.13 | 0.07 | 0.002 | <20 | 8 | 0.6 | 99.72 | 1590 | <1 | 5.8 | 2.6 |
| 03RAY269A | Rock | 0.32 | 74.37 | 13.90 | 2.16 | 0.65 | 0.04 | 2.43 | 4.25 | 0.17 | 0.02 | 0.02 | <0.002 | <20 | 4 | 1.6 | 99.57 | 3269 | 3 | 1.4 | 1.1 |



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Ottawa ON K1A 0E8 CANADA

Project: Cordillera

Report Date: March 17, 2015

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Part: 2 of 5

CERTIFICATE OF ANALYSIS

VAN15000428.1

| Method Analyte Unit MDL | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Ga | Hf | Nb | Rb | Sn | Sr | Ta | Th | U | V | W | Zr | Y | La | Ce | Pr | Nd | Sm | Eu | Gd | |
| ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| 0.5 | 0.1 | 0.1 | 0.1 | 1 | 0.5 | 0.1 | 0.2 | 0.1 | 8 | 0.5 | 0.1 | 0.1 | 0.1 | 0.1 | 0.02 | 0.3 | 0.05 | 0.02 | 0.05 | | |
| 01RAY108A | Rock | 14.3 | 3.4 | 10.1 | 169.4 | 3 | 156.2 | 0.9 | 14.5 | 1.8 | 34 | <0.5 | 116.8 | 14.7 | 12.0 | 25.3 | 2.50 | 9.4 | 1.89 | 0.54 | 1.82 |
| 01RAY111B | Rock | 18.3 | 4.2 | 6.1 | 45.0 | 1 | 967.5 | 0.3 | 7.4 | 2.4 | 18 | <0.5 | 132.4 | 7.9 | 15.7 | 26.4 | 2.53 | 9.6 | 1.67 | 0.40 | 1.50 |
| 01RAY160A | Rock | 16.2 | 4.7 | 10.9 | 89.9 | 1 | 642.0 | 0.9 | 18.5 | 5.0 | 13 | 5.5 | 168.7 | 14.7 | 42.4 | 79.0 | 7.44 | 27.1 | 4.20 | 1.07 | 3.26 |
| 01RAY187A1 | Rock | 11.6 | 3.7 | 6.9 | 59.2 | <1 | 294.0 | 0.4 | 7.4 | 1.7 | 15 | <0.5 | 128.0 | 7.1 | 26.4 | 49.1 | 4.52 | 15.3 | 2.39 | 0.67 | 1.92 |
| 01RAY212A | Rock | 16.5 | 4.2 | 14.6 | 134.0 | 2 | 461.3 | 0.8 | 19.0 | 5.7 | 57 | <0.5 | 162.2 | 18.9 | 44.5 | 86.6 | 8.64 | 29.1 | 5.00 | 1.14 | 4.25 |
| 01RAY366A1 | Rock | 15.2 | 1.6 | 2.9 | 3.8 | 1 | 245.0 | 0.1 | 1.1 | 0.3 | 180 | <0.5 | 58.0 | 20.5 | 6.9 | 15.2 | 2.06 | 9.3 | 2.55 | 0.73 | 3.04 |
| 01GGA195A1 | Rock | 15.8 | 4.5 | 12.1 | 147.8 | 3 | 460.8 | 1.3 | 20.6 | 4.8 | 53 | 1.1 | 163.2 | 18.4 | 43.9 | 87.1 | 8.33 | 29.0 | 4.74 | 0.96 | 4.19 |
| 02GGA035A1 | Rock | 16.9 | 2.1 | 6.4 | 3.6 | <1 | 513.1 | 0.5 | 1.6 | 0.5 | 199 | <0.5 | 95.7 | 18.4 | 15.8 | 32.2 | 3.81 | 15.9 | 3.33 | 1.06 | 3.46 |
| 02RAY069A | Rock | 10.7 | 4.5 | 8.1 | 48.2 | 2 | 101.6 | 1.0 | 9.1 | 2.6 | 28 | 0.6 | 168.8 | 30.5 | 25.0 | 54.3 | 6.07 | 23.8 | 5.09 | 0.70 | 5.47 |
| 02RAY118A | Rock | 15.6 | 4.3 | 11.8 | 151.8 | 4 | 237.2 | 0.9 | 19.5 | 3.0 | 21 | 2.1 | 148.4 | 15.3 | 37.5 | 70.8 | 7.16 | 23.7 | 3.67 | 0.68 | 2.98 |
| 02RAY162A1 | Rock | 15.1 | 0.6 | 1.1 | 4.8 | <1 | 450.7 | <0.1 | 0.8 | 0.3 | 303 | <0.5 | 23.4 | 10.4 | 4.7 | 9.1 | 1.19 | 5.2 | 1.18 | 0.59 | 1.82 |
| 02RAY236A | Rock | 12.1 | 4.0 | 11.2 | 144.5 | 2 | 116.9 | 1.1 | 18.4 | 1.5 | 13 | 0.8 | 127.8 | 13.8 | 45.1 | 79.7 | 7.17 | 23.9 | 3.37 | 0.56 | 2.63 |
| 02RAY302A1 | Rock | 16.5 | 1.8 | 4.2 | 54.0 | 1 | 318.7 | 0.4 | 3.8 | 1.3 | 200 | 1.3 | 72.7 | 13.0 | 13.5 | 25.2 | 2.86 | 12.0 | 2.25 | 0.83 | 2.50 |
| 02RAY304A | Rock | 16.1 | 8.1 | 14.9 | 118.2 | 2 | 659.2 | 0.8 | 21.3 | 7.6 | 45 | 1.9 | 305.9 | 25.0 | 60.7 | 119.2 | 12.17 | 44.0 | 6.46 | 1.49 | 5.34 |
| 02RAY308A1 | Rock | 15.4 | 4.5 | 7.5 | 91.5 | 1 | 843.5 | 0.5 | 18.1 | 5.2 | 102 | 1.5 | 166.6 | 18.2 | 39.5 | 72.2 | 8.18 | 29.3 | 5.01 | 1.28 | 4.06 |
| 02RAY313A1 | Rock | 15.4 | 2.9 | 3.1 | 7.2 | 1 | 355.0 | 0.2 | 1.7 | 0.5 | 255 | <0.5 | 110.1 | 23.6 | 8.3 | 22.1 | 2.90 | 14.1 | 3.71 | 1.27 | 4.29 |
| 02RAYG085A1 | Rock | 13.4 | 1.2 | 0.4 | 19.4 | <1 | 103.3 | 0.3 | 0.6 | 0.2 | 302 | <0.5 | 34.5 | 14.8 | 5.4 | 11.7 | 1.57 | 8.2 | 2.31 | 0.78 | 2.59 |
| 02RAYG107A1 | Rock | 16.6 | 7.3 | 14.3 | 103.1 | <1 | 188.7 | 1.1 | 15.8 | 1.4 | 71 | 1.1 | 265.5 | 10.9 | 12.6 | 47.2 | 3.01 | 10.8 | 2.34 | 0.41 | 1.95 |
| 02RAYG117A1 | Rock | 20.9 | 3.7 | 9.0 | 60.3 | <1 | 830.2 | 1.3 | 3.0 | 0.8 | 54 | <0.5 | 120.3 | 3.3 | 12.6 | 29.7 | 2.82 | 11.1 | 1.99 | 0.58 | 1.56 |
| 02RAYG274A2 | Rock | 11.4 | 3.2 | 2.8 | 24.8 | 2 | 372.2 | 0.2 | 1.8 | 0.7 | 141 | 0.8 | 91.9 | 11.8 | 8.3 | 20.5 | 2.40 | 8.7 | 2.16 | 0.58 | 1.99 |
| 03GGAR050A1 | Rock | 13.8 | 3.4 | 9.3 | 145.3 | 4 | 198.8 | 1.3 | 13.5 | 2.3 | 15 | <0.5 | 108.3 | 10.0 | 18.9 | 45.2 | 3.85 | 13.4 | 2.49 | 0.61 | 1.81 |
| 03GGAR131A | Rock | 14.5 | 2.4 | 3.6 | 5.2 | <1 | 146.3 | 0.6 | 0.5 | 0.2 | 330 | <0.5 | 81.4 | 28.0 | 4.4 | 11.8 | 1.78 | 8.6 | 3.19 | 1.11 | 4.36 |
| 03GGA264A1 | Rock | 13.6 | 3.7 | 7.1 | 27.9 | <1 | 388.8 | 2.0 | 4.7 | 2.2 | 74 | <0.5 | 130.3 | 22.5 | 17.1 | 37.7 | 4.43 | 18.9 | 3.76 | 1.02 | 3.74 |
| 03GGA383A1 | Rock | 15.4 | 4.9 | 18.7 | 181.2 | 2 | 74.1 | 1.4 | 28.3 | 5.7 | <8 | 0.7 | 139.3 | 36.4 | 65.5 | 127.4 | 13.90 | 49.2 | 8.01 | 0.16 | 7.08 |
| 03GGA396A1 | Rock | 15.2 | 3.2 | 8.7 | 12.7 | 1 | 970.2 | 0.7 | 2.4 | 0.7 | 192 | <0.5 | 151.9 | 21.3 | 16.3 | 37.5 | 4.59 | 20.0 | 4.26 | 1.64 | 4.59 |
| 03GGA418A1 | Rock | 15.3 | 2.6 | 5.1 | 56.6 | <1 | 194.2 | 0.7 | 6.6 | 1.7 | 228 | 1.0 | 92.1 | 15.3 | 22.4 | 43.4 | 5.03 | 18.5 | 3.94 | 1.01 | 3.54 |
| 03GGA419A1 | Rock | 14.2 | 2.6 | 5.6 | 27.9 | <1 | 253.1 | 1.8 | 7.4 | 2.2 | 210 | <0.5 | 102.8 | 15.2 | 23.1 | 47.1 | 5.18 | 19.1 | 4.25 | 1.06 | 3.82 |
| 03RAY264A1 | Rock | 12.6 | 3.7 | 4.2 | 28.2 | <1 | 217.1 | 0.3 | 3.5 | 0.9 | 9 | <0.5 | 122.2 | 25.2 | 15.7 | 32.1 | 3.75 | 14.8 | 3.94 | 0.91 | 4.12 |
| 03RAY267B1 | Rock | 16.3 | 4.7 | 13.6 | 147.7 | 2 | 347.7 | 0.9 | 14.3 | 2.9 | 43 | <0.5 | 171.8 | 19.7 | 32.8 | 64.5 | 6.70 | 24.2 | 4.52 | 0.91 | 4.03 |
| 03RAY269A | Rock | 16.0 | 5.5 | 10.7 | 156.3 | 3 | 69.7 | 1.0 | 20.3 | 3.5 | <8 | 1.8 | 159.5 | 18.7 | 39.2 | 40.2 | 8.04 | 27.0 | 4.08 | 0.58 | 3.67 |



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Project: Cordillera

Report Date: March 17, 2015

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Part: 3 of 5

CERTIFICATE OF ANALYSIS

VAN15000428.1

| Method Analyte Unit MDL | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | TC000 | TC000 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| | Tb | Dy | Ho | Er | Tm | Yb | Lu | TOT/C | TOT/S | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | |
| | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | |
| 01RAY108A | Rock | 0.38 | 2.29 | 0.51 | 1.72 | 0.28 | 1.94 | 0.29 | 0.07 | <0.02 | <0.1 | 6.7 | 7.8 | 41 | <0.1 | 6.3 | 4.0 | 250 | 1.61 | 0.8 | 0.8 |
| 01RAY111B | Rock | 0.21 | 1.23 | 0.25 | 0.74 | 0.11 | 0.92 | 0.14 | <0.02 | <0.02 | 0.1 | 3.9 | 3.5 | 69 | <0.1 | 16.4 | 2.0 | 189 | 1.27 | <0.5 | <0.5 |
| 01RAY160A | Rock | 0.46 | 2.71 | 0.53 | 1.65 | 0.24 | 1.76 | 0.25 | 0.02 | <0.02 | 2.3 | 1.9 | 129.8 | 26 | 0.1 | 1.3 | 2.8 | 253 | 1.61 | <0.5 | <0.5 |
| 01RAY187A1 | Rock | 0.26 | 1.30 | 0.30 | 0.81 | 0.14 | 1.05 | 0.17 | <0.02 | <0.02 | 0.1 | 6.7 | 4.0 | 25 | <0.1 | 1.4 | 2.2 | 196 | 1.22 | <0.5 | 0.6 |
| 01RAY212A | Rock | 0.62 | 3.65 | 0.69 | 2.08 | 0.31 | 1.87 | 0.31 | <0.02 | <0.02 | 0.4 | 4.5 | 4.5 | 52 | <0.1 | 4.2 | 8.8 | 473 | 2.47 | <0.5 | <0.5 |
| 01RAY366A1 | Rock | 0.59 | 3.63 | 0.80 | 2.38 | 0.35 | 2.27 | 0.35 | <0.02 | <0.02 | <0.1 | 1.7 | 0.6 | 12 | <0.1 | 7.9 | 6.3 | 185 | 1.59 | 0.6 | <0.5 |
| 01GGA195A1 | Rock | 0.58 | 3.35 | 0.61 | 1.92 | 0.29 | 1.79 | 0.29 | 0.06 | <0.02 | 0.2 | 6.7 | 2.7 | 56 | <0.1 | 4.9 | 9.7 | 514 | 2.60 | <0.5 | 0.8 |
| 02GGA035A1 | Rock | 0.56 | 3.47 | 0.65 | 1.98 | 0.30 | 1.80 | 0.29 | <0.02 | <0.02 | <0.1 | 1.1 | 0.2 | 22 | <0.1 | 6.5 | 6.9 | 249 | 1.44 | <0.5 | <0.5 |
| 02RAY069A | Rock | 0.95 | 5.54 | 1.19 | 3.31 | 0.56 | 3.47 | 0.51 | <0.02 | <0.02 | <0.1 | 2.8 | 2.3 | 22 | <0.1 | 1.7 | 1.2 | 156 | 0.67 | <0.5 | 1.1 |
| 02RAY118A | Rock | 0.47 | 2.69 | 0.52 | 1.68 | 0.26 | 1.66 | 0.29 | 0.16 | <0.02 | 0.6 | 5.0 | 14.8 | 51 | <0.1 | 2.5 | 3.0 | 368 | 1.66 | 1.9 | <0.5 |
| 02RAY162A1 | Rock | 0.32 | 2.21 | 0.45 | 1.32 | 0.18 | 1.19 | 0.18 | 0.03 | <0.02 | 0.1 | 34.3 | 0.5 | 21 | <0.1 | 3.2 | 10.8 | 271 | 2.12 | <0.5 | 0.9 |
| 02RAY236A | Rock | 0.34 | 2.20 | 0.41 | 1.42 | 0.22 | 1.48 | 0.24 | 0.18 | <0.02 | 0.2 | 1.6 | 5.8 | 32 | <0.1 | 1.2 | 1.7 | 290 | 1.20 | <0.5 | 1.1 |
| 02RAY302A1 | Rock | 0.41 | 2.10 | 0.45 | 1.53 | 0.23 | 1.32 | 0.20 | 0.02 | <0.02 | 0.1 | 24.3 | 0.8 | 30 | <0.1 | 8.9 | 8.9 | 315 | 1.91 | <0.5 | <0.5 |
| 02RAY304A | Rock | 0.79 | 4.36 | 0.83 | 2.53 | 0.41 | 2.48 | 0.42 | <0.02 | <0.02 | 0.2 | 6.8 | 17.3 | 14 | <0.1 | 0.7 | 1.0 | 159 | 0.55 | <0.5 | <0.5 |
| 02RAY308A1 | Rock | 0.58 | 3.04 | 0.63 | 1.92 | 0.25 | 1.67 | 0.30 | 0.02 | <0.02 | <0.1 | 26.8 | 5.6 | 60 | <0.1 | 8.4 | 11.8 | 393 | 1.56 | 2.2 | 1.9 |
| 02RAY313A1 | Rock | 0.76 | 4.70 | 0.94 | 2.55 | 0.36 | 2.22 | 0.36 | 0.27 | <0.02 | <0.1 | 11.8 | 2.9 | 33 | <0.1 | 67.0 | 19.7 | 470 | 2.33 | <0.5 | 0.6 |
| 02RAYG085A1 | Rock | 0.49 | 2.84 | 0.59 | 1.68 | 0.26 | 1.67 | 0.25 | 0.30 | <0.02 | <0.1 | 44.8 | 1.6 | 76 | <0.1 | 9.9 | 21.6 | 755 | 6.06 | <0.5 | <0.5 |
| 02RAYG107A1 | Rock | 0.30 | 1.95 | 0.44 | 1.31 | 0.22 | 1.46 | 0.23 | 0.04 | <0.02 | 0.1 | 3.0 | 3.0 | 34 | <0.1 | 16.3 | 7.5 | 156 | 2.42 | <0.5 | 0.7 |
| 02RAYG117A1 | Rock | 0.18 | 0.75 | 0.11 | 0.25 | 0.03 | 0.21 | 0.03 | <0.02 | <0.02 | <0.1 | 1.6 | 1.5 | 72 | <0.1 | 2.0 | 5.2 | 231 | 1.73 | <0.5 | <0.5 |
| 02RAYG274A2 | Rock | 0.34 | 1.98 | 0.42 | 1.12 | 0.20 | 1.08 | 0.15 | 0.31 | <0.02 | <0.1 | 50.0 | 3.5 | 4 | <0.1 | 61.7 | 5.1 | 89 | 0.44 | 0.5 | <0.5 |
| 03GGAR050A1 | Rock | 0.34 | 1.79 | 0.37 | 1.07 | 0.18 | 1.18 | 0.18 | <0.02 | <0.02 | <0.1 | 1.4 | 5.9 | 34 | <0.1 | 3.8 | 2.1 | 300 | 1.30 | <0.5 | <0.5 |
| 03GGAR131A | Rock | 0.79 | 4.93 | 1.10 | 3.23 | 0.48 | 2.93 | 0.46 | <0.02 | <0.02 | 0.4 | 39.4 | 0.5 | 19 | <0.1 | 41.2 | 12.3 | 290 | 1.84 | <0.5 | <0.5 |
| 03GGA264A1 | Rock | 0.60 | 3.68 | 0.86 | 2.42 | 0.37 | 2.56 | 0.39 | 0.02 | <0.02 | 0.1 | 4.3 | 1.2 | 61 | <0.1 | 1.9 | 5.8 | 492 | 1.93 | 0.9 | 0.8 |
| 03GGA383A1 | Rock | 1.04 | 5.78 | 1.18 | 2.99 | 0.47 | 2.84 | 0.43 | 0.13 | <0.02 | 0.1 | 2.7 | 25.1 | 4 | <0.1 | 0.7 | 0.2 | 93 | 0.40 | 0.6 | <0.5 |
| 03GGA396A1 | Rock | 0.72 | 4.29 | 0.81 | 2.33 | 0.30 | 1.88 | 0.31 | 0.06 | <0.02 | <0.1 | 58.0 | 0.6 | 44 | <0.1 | 47.0 | 20.5 | 654 | 2.84 | 0.5 | <0.5 |
| 03GGA418A1 | Rock | 0.53 | 3.00 | 0.55 | 1.80 | 0.24 | 1.54 | 0.25 | 0.55 | <0.02 | 0.1 | 83.5 | 8.8 | 49 | <0.1 | 36.6 | 20.8 | 729 | 3.62 | 5.4 | <0.5 |
| 03GGA419A1 | Rock | 0.54 | 3.02 | 0.55 | 1.59 | 0.22 | 1.49 | 0.25 | 0.24 | <0.02 | 0.1 | 58.3 | 4.3 | 42 | <0.1 | 61.6 | 20.7 | 567 | 2.90 | 0.9 | <0.5 |
| 03RAY264A1 | Rock | 0.70 | 4.53 | 0.93 | 2.81 | 0.44 | 3.02 | 0.47 | 0.08 | <0.02 | <0.1 | 3.0 | 0.9 | 57 | <0.1 | 0.9 | 3.0 | 575 | 2.41 | <0.5 | <0.5 |
| 03RAY267B1 | Rock | 0.63 | 3.37 | 0.59 | 2.16 | 0.31 | 2.21 | 0.32 | <0.02 | <0.02 | 1.2 | 7.7 | 5.4 | 64 | <0.1 | 4.8 | 5.9 | 437 | 2.46 | 0.8 | 8.8 |
| 03RAY269A | Rock | 0.61 | 3.52 | 0.68 | 2.04 | 0.30 | 2.20 | 0.32 | <0.02 | <0.02 | <0.1 | 2.9 | 13.8 | 5 | <0.1 | 0.9 | 0.6 | 89 | 0.34 | <0.5 | <0.5 |



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Project: Cordillera

Report Date: March 17, 2015

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Part: 4 of 5

CERTIFICATE OF ANALYSIS

VAN15000428.1

| Method Analyte Unit MDL | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 |
|-------------------------|--------|--------|--------|--------|--------|-------|-------|-------|--------|--------|-------|--------|-------|-------|-------|-------|-------|-------|--------|--------|-------|
| | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm | Hg ppm | Sc ppm | |
| 01RAY108A Rock | 14.3 | 7 | <0.1 | <0.1 | 0.1 | 11 | 0.16 | 0.032 | 12 | 11 | 0.34 | 51 | 0.077 | <20 | 0.79 | 0.032 | 0.60 | <0.1 | <0.01 | 1.8 | |
| 01RAY111B Rock | 4.4 | 24 | 0.2 | <0.1 | <0.1 | 15 | 0.11 | 0.014 | 9 | 9 | 0.20 | 308 | 0.070 | <20 | 0.56 | 0.079 | 0.29 | <0.1 | <0.01 | 1.8 | |
| 01RAY160A Rock | 15.5 | 26 | 0.2 | <0.1 | <0.1 | 6 | 0.16 | 0.035 | 35 | 3 | 0.22 | 135 | 0.088 | <20 | 0.65 | 0.045 | 0.45 | 2.4 | <0.01 | 0.6 | |
| 01RAY187A1 Rock | 5.3 | 12 | <0.1 | <0.1 | <0.1 | 9 | 0.15 | 0.018 | 15 | 4 | 0.20 | 93 | 0.064 | <20 | 0.51 | 0.051 | 0.28 | <0.1 | <0.01 | 0.9 | |
| 01RAY212A Rock | 10.1 | 23 | <0.1 | <0.1 | <0.1 | 23 | 0.29 | 0.053 | 17 | 8 | 0.67 | 128 | 0.202 | <20 | 1.30 | 0.034 | 0.98 | 0.2 | <0.01 | 0.6 | |
| 01RAY366A1 Rock | 0.1 | 11 | <0.1 | <0.1 | <0.1 | 35 | 0.92 | 0.034 | <1 | 19 | 0.67 | 10 | 0.059 | <20 | 0.91 | 0.195 | 0.07 | <0.1 | <0.01 | 6.0 | |
| 01GGA195A1 Rock | 15.1 | 21 | <0.1 | <0.1 | <0.1 | 27 | 0.27 | 0.057 | 18 | 8 | 0.72 | 83 | 0.204 | <20 | 1.40 | 0.034 | 0.93 | 0.5 | <0.01 | 0.7 | |
| 02GGA035A1 Rock | 0.4 | 21 | <0.1 | <0.1 | <0.1 | 33 | 1.07 | 0.072 | 1 | 16 | 0.77 | 40 | 0.123 | <20 | 0.93 | 0.126 | 0.05 | <0.1 | <0.01 | 4.2 | |
| 02RAY069A Rock | 2.0 | 8 | <0.1 | <0.1 | <0.1 | 4 | 0.18 | 0.012 | 3 | 2 | 0.27 | 48 | 0.012 | <20 | 0.52 | 0.012 | 0.20 | <0.1 | <0.01 | 0.6 | |
| 02RAY118A Rock | 18.1 | 15 | 0.1 | <0.1 | <0.1 | 10 | 0.68 | 0.026 | 37 | 5 | 0.26 | 83 | 0.083 | <20 | 0.72 | 0.043 | 0.45 | 0.9 | <0.01 | 1.1 | |
| 02RAY162A1 Rock | 0.2 | 47 | <0.1 | <0.1 | <0.1 | 73 | 1.19 | 0.045 | 1 | 5 | 0.71 | 66 | 0.071 | <20 | 1.61 | 0.239 | 0.10 | <0.1 | <0.01 | 8.7 | |
| 02RAY236A Rock | 18.1 | 12 | <0.1 | <0.1 | <0.1 | 4 | 0.65 | 0.012 | 43 | 3 | 0.20 | 56 | 0.004 | <20 | 0.49 | 0.037 | 0.20 | <0.1 | <0.01 | 0.4 | |
| 02RAY302A1 Rock | 3.2 | 16 | <0.1 | <0.1 | <0.1 | 25 | 0.50 | 0.066 | 3 | 12 | 0.76 | 64 | 0.098 | <20 | 1.15 | 0.048 | 0.13 | <0.1 | <0.01 | 2.0 | |
| 02RAY304A Rock | 7.1 | 72 | <0.1 | 0.1 | <0.1 | 4 | 0.36 | 0.040 | 13 | 2 | 0.12 | 733 | 0.126 | <20 | 0.46 | 0.022 | 0.26 | 0.5 | <0.01 | 0.8 | |
| 02RAY308A1 Rock | 5.8 | 94 | <0.1 | 0.2 | <0.1 | 16 | 0.58 | 0.067 | 14 | 14 | 1.14 | 171 | 0.113 | <20 | 1.37 | 0.026 | 0.25 | 0.3 | <0.01 | 2.0 | |
| 02RAY313A1 Rock | 0.3 | 50 | <0.1 | <0.1 | <0.1 | 51 | 1.42 | 0.083 | 2 | 128 | 1.79 | 68 | 0.240 | <20 | 1.60 | 0.044 | 0.10 | <0.1 | <0.01 | 3.6 | |
| 02RAYG085A1 Rock | 0.3 | 35 | <0.1 | <0.1 | <0.1 | 193 | 1.11 | 0.013 | 2 | 6 | 2.10 | 13 | 0.146 | <20 | 1.88 | 0.061 | 0.03 | <0.1 | <0.01 | 17.8 | |
| 02RAYG107A1 Rock | 17.0 | 7 | 0.4 | <0.1 | <0.1 | 32 | 0.22 | 0.147 | 9 | 31 | 0.76 | 220 | 0.286 | <20 | 1.54 | 0.042 | 1.12 | <0.1 | <0.01 | 4.2 | |
| 02RAYG117A1 Rock | 2.4 | 30 | <0.1 | <0.1 | <0.1 | 31 | 0.33 | 0.073 | 11 | 3 | 0.48 | 148 | 0.104 | <20 | 0.95 | 0.063 | 0.58 | <0.1 | <0.01 | 0.6 | |
| 02RAYG274A2 Rock | 1.3 | 43 | <0.1 | <0.1 | <0.1 | 11 | 1.63 | 0.017 | 2 | 96 | 0.47 | 21 | 0.129 | <20 | 0.50 | 0.021 | 0.07 | 0.1 | <0.01 | 2.5 | |
| 03GGAR050A1 Rock | 12.6 | 6 | <0.1 | <0.1 | 0.6 | 10 | 0.18 | 0.029 | 17 | 10 | 0.34 | 73 | 0.106 | <20 | 0.74 | 0.045 | 0.42 | <0.1 | <0.01 | 3.0 | |
| 03GGAR131A Rock | 0.1 | 8 | <0.1 | <0.1 | <0.1 | 52 | 1.06 | 0.052 | <1 | 67 | 0.85 | 8 | 0.216 | <20 | 1.03 | 0.101 | 0.04 | <0.1 | <0.01 | 5.8 | |
| 03GGA264A1 Rock | 2.5 | 32 | <0.1 | <0.1 | <0.1 | 25 | 0.31 | 0.092 | 7 | 4 | 0.83 | 50 | 0.082 | <20 | 0.88 | 0.076 | 0.08 | <0.1 | <0.01 | 3.7 | |
| 03GGA383A1 Rock | 28.1 | 34 | <0.1 | 0.2 | <0.1 | <2 | 0.47 | 0.008 | 48 | 3 | 0.01 | 30 | 0.018 | <20 | 0.26 | 0.028 | 0.37 | <0.1 | <0.01 | 0.8 | |
| 03GGA396A1 Rock | 1.0 | 83 | <0.1 | <0.1 | <0.1 | 32 | 1.00 | 0.151 | 9 | 62 | 2.06 | 78 | 0.195 | <20 | 2.14 | 0.041 | 0.12 | 0.1 | <0.01 | 3.5 | |
| 03GGA418A1 Rock | 5.2 | 96 | <0.1 | 0.1 | <0.1 | 75 | 1.97 | 0.068 | 18 | 82 | 2.36 | 393 | 0.222 | <20 | 2.28 | 0.028 | 0.23 | 0.2 | <0.01 | 6.0 | |
| 03GGA419A1 Rock | 3.0 | 44 | <0.1 | 0.2 | <0.1 | 71 | 1.25 | 0.082 | 9 | 192 | 2.15 | 438 | 0.229 | <20 | 1.82 | 0.045 | 0.07 | 0.3 | <0.01 | 3.9 | |
| 03RAY264A1 Rock | 4.2 | 13 | <0.1 | <0.1 | <0.1 | 6 | 0.40 | 0.021 | 15 | 2 | 0.32 | 51 | 0.059 | <20 | 0.65 | 0.070 | 0.08 | <0.1 | 0.01 | 2.7 | |
| 03RAY267B1 Rock | 15.4 | 12 | 0.1 | <0.1 | 1.8 | 31 | 0.24 | 0.064 | 35 | 9 | 0.51 | 170 | 0.169 | <20 | 1.28 | 0.060 | 0.84 | <0.1 | <0.01 | 3.8 | |
| 03RAY269A Rock | 21.8 | 3 | <0.1 | <0.1 | 0.2 | <2 | 0.04 | 0.006 | 44 | 3 | 0.02 | 221 | 0.002 | <20 | 0.33 | 0.025 | 0.27 | <0.1 | <0.01 | 0.5 | |



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Ottawa ON K1A 0E8 CANADA

Project: Cordillera

Report Date: March 17, 2015

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Part: 5 of 5

CERTIFICATE OF ANALYSIS

VAN15000428.1

| Method Analyte | Unit | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 |
|-------------------|------|-------|-------|-------|-------|-------|
| | | Tl | S | Ga | Se | Te |
| MDL | | ppm | % | ppm | ppm | ppm |
| | | 0.1 | 0.05 | 1 | 0.5 | 0.2 |
| 01RAY108A | Rock | 0.4 | <0.05 | 3 | <0.5 | <0.2 |
| 01RAY111B | Rock | 0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 01RAY160A | Rock | 0.2 | <0.05 | 4 | <0.5 | <0.2 |
| 01RAY187A1 | Rock | <0.1 | <0.05 | 2 | <0.5 | <0.2 |
| 01RAY212A | Rock | 0.4 | <0.05 | 4 | <0.5 | <0.2 |
| 01RAY366A1 | Rock | <0.1 | <0.05 | 2 | <0.5 | <0.2 |
| 01GGA195A1 | Rock | 0.5 | <0.05 | 4 | <0.5 | <0.2 |
| 02GGA035A1 | Rock | <0.1 | <0.05 | 2 | <0.5 | <0.2 |
| 02RAY069A | Rock | <0.1 | <0.05 | 1 | <0.5 | <0.2 |
| 02RAY118A | Rock | 0.3 | <0.05 | 3 | <0.5 | <0.2 |
| 02RAY162A1 | Rock | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 02RAY236A | Rock | <0.1 | <0.05 | 2 | <0.5 | <0.2 |
| 02RAY302A1 | Rock | <0.1 | <0.05 | 2 | <0.5 | <0.2 |
| 02RAY304A | Rock | <0.1 | <0.05 | 1 | <0.5 | <0.2 |
| 02RAY308A1 | Rock | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| 02RAY313A1 | Rock | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 02RAYG085A1 | Rock | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| 02RAYG107A1 | Rock | 0.4 | <0.05 | 6 | <0.5 | <0.2 |
| 02RAYG117A1 | Rock | 0.2 | <0.05 | 5 | <0.5 | <0.2 |
| 02RAYG274A2 | Rock | <0.1 | <0.05 | 1 | <0.5 | <0.2 |
| 03GGAR050A1 | Rock | 0.3 | <0.05 | 4 | <0.5 | <0.2 |
| 03GGAR131A | Rock | <0.1 | <0.05 | 2 | <0.5 | <0.2 |
| 03GGA264A1 | Rock | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 03GGA383A1 | Rock | 0.1 | <0.05 | 1 | <0.5 | <0.2 |
| 03GGA396A1 | Rock | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 03GGA418A1 | Rock | <0.1 | <0.05 | 7 | <0.5 | <0.2 |
| 03GGA419A1 | Rock | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 03RAY264A1 | Rock | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 03RAY267B1 | Rock | 0.5 | <0.05 | 5 | <0.5 | <0.2 |
| 03RAY269A | Rock | <0.1 | <0.05 | <1 | <0.5 | <0.2 |



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Project: Cordillera

Report Date: March 17, 2015

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Part: 1 of 5

CERTIFICATE OF ANALYSIS

VAN15000428.1

| Method | WGHT | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 |
|---------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| Analyte | Wgt | SiO2 | Al2O3 | Fe2O3 | MgO | CaO | Na2O | K2O | TiO2 | P2O5 | MnO | Cr2O3 | Ni | Sc | LOI | Sum | Ba | Be | Co | Cs | |
| Unit | kg | % | % | % | % | % | % | % | % | % | % | % | ppm | ppm | % | % | ppm | ppm | ppm | ppm | |
| MDL | 0.01 | 0.01 | 0.01 | 0.04 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.002 | 20 | 1 | -5.1 | 0.01 | 1 | 1 | 0.2 | 0.1 | |
| 03RAY288B1 | Rock | 0.54 | 73.44 | 14.23 | 1.18 | 0.04 | 0.10 | 4.74 | 5.50 | 0.06 | 0.02 | 0.02 | <0.002 | <20 | <1 | 0.4 | 99.70 | 1651 | 5 | 0.9 | 3.8 |
| 09RAYEK027A1 | Rock | 0.36 | 72.32 | 13.73 | 3.71 | 1.06 | 0.45 | 3.19 | 2.59 | 0.46 | 0.21 | 0.03 | 0.003 | <20 | 10 | 1.9 | 99.63 | 2620 | <1 | 5.0 | 1.7 |
| 09RAYJC018B | Rock | 0.40 | 62.07 | 17.42 | 5.35 | 1.83 | 4.77 | 4.64 | 2.41 | 0.49 | 0.23 | 0.12 | <0.002 | <20 | 9 | 0.3 | 99.61 | 1716 | 3 | 7.6 | 0.4 |
| 09RAYKR096A1 | Rock | 0.27 | 76.48 | 12.92 | 0.97 | 0.11 | 1.22 | 3.66 | 3.83 | 0.04 | 0.07 | 0.03 | <0.002 | <20 | 2 | 0.6 | 99.93 | 375 | <1 | 0.5 | 2.3 |
| 09RAYRS014A1 | Rock | 0.42 | 65.80 | 15.23 | 5.68 | 1.28 | 3.53 | 2.35 | 3.70 | 0.63 | 0.20 | 0.08 | 0.002 | <20 | 13 | 1.1 | 99.56 | 2651 | 2 | 6.5 | 2.4 |
| 09RAYRS064A1 | Rock | 0.35 | 57.54 | 15.21 | 10.47 | 2.41 | 5.66 | 1.54 | 3.41 | 1.52 | 0.49 | 0.20 | <0.002 | <20 | 22 | 1.2 | 99.60 | 2162 | 3 | 14.2 | 0.4 |
| 09RAYRS073A1 | Rock | 0.38 | 50.76 | 14.87 | 10.20 | 8.71 | 10.44 | 2.42 | 0.36 | 0.63 | 0.08 | 0.16 | 0.039 | 96 | 41 | 1.1 | 99.75 | 95 | 2 | 38.0 | 0.1 |
| 09RAYRS097A1 | Rock | 0.21 | 75.39 | 12.83 | 1.87 | 0.10 | 1.23 | 2.72 | 4.86 | 0.12 | 0.02 | 0.03 | <0.002 | <20 | 6 | 0.5 | 99.65 | 2585 | 3 | 0.5 | 1.5 |
| 09RAYJR069A1 | Rock | 0.38 | 47.07 | 15.85 | 9.60 | 9.04 | 11.93 | 2.10 | 0.47 | 1.01 | 0.10 | 0.16 | 0.055 | 91 | 34 | 2.3 | 99.74 | 166 | <1 | 36.2 | <0.1 |
| 09RAYJR102A1 | Rock | 0.61 | 71.25 | 13.73 | 3.76 | 1.38 | 1.35 | 3.95 | 3.00 | 0.48 | 0.10 | 0.03 | 0.004 | <20 | 8 | 0.6 | 99.68 | 2060 | 2 | 4.3 | 4.1 |
| 09RAYJR105A1 | Rock | 0.70 | 66.55 | 14.92 | 5.21 | 1.65 | 4.53 | 2.85 | 2.60 | 0.36 | 0.09 | 0.10 | <0.002 | <20 | 12 | 0.9 | 99.79 | 1002 | 2 | 10.6 | 1.3 |
| 09RAYJR106A1 | Rock | 0.57 | 68.52 | 17.30 | 2.06 | 0.62 | 3.88 | 5.45 | 0.85 | 0.19 | 0.08 | 0.04 | <0.002 | <20 | 1 | 0.8 | 99.77 | 642 | 3 | 3.0 | 0.7 |
| 09RAYJR118A1 | Rock | 0.46 | 66.70 | 16.80 | 3.33 | 0.89 | 4.07 | 3.89 | 2.89 | 0.29 | 0.13 | 0.08 | <0.002 | <20 | 5 | 0.6 | 99.68 | 1710 | 2 | 4.7 | 0.9 |
| 09RAYJR120A1 | Rock | 0.38 | 48.69 | 15.61 | 9.94 | 8.32 | 9.41 | 2.64 | 1.17 | 1.07 | 0.19 | 0.17 | 0.058 | <20 | 37 | 2.4 | 99.70 | 590 | 2 | 34.6 | 0.2 |
| 09RAYJR121A1 | Rock | 0.33 | 78.36 | 10.32 | 2.65 | 0.53 | 2.68 | 1.40 | 2.27 | 0.37 | 0.04 | 0.04 | <0.002 | <20 | 11 | 1.0 | 99.66 | 2577 | <1 | 2.0 | 1.2 |
| 09RAYJR127A | Rock | 0.39 | 58.20 | 15.69 | 8.29 | 3.53 | 7.07 | 2.54 | 2.17 | 0.69 | 0.19 | 0.16 | 0.011 | <20 | 18 | 1.2 | 99.72 | 805 | 2 | 22.2 | 1.7 |
| 09RAYJR157A | Rock | 0.38 | 47.58 | 13.43 | 10.15 | 10.60 | 10.99 | 2.25 | 0.77 | 1.59 | 0.48 | 0.22 | 0.084 | 185 | 28 | 1.5 | 99.66 | 273 | <1 | 41.4 | 0.8 |
| 09RAYJR163A1 | Rock | 0.41 | 75.29 | 12.82 | 1.85 | 0.36 | 0.16 | 2.59 | 5.61 | 0.07 | 0.02 | 0.03 | <0.002 | <20 | 4 | 1.1 | 99.93 | 310 | 2 | 1.3 | 4.5 |
| 09RAYJR177A1 | Rock | 0.42 | 75.71 | 12.89 | 2.63 | 0.57 | 0.49 | 3.02 | 2.35 | 0.24 | 0.05 | 0.02 | <0.002 | <20 | 6 | 1.7 | 99.65 | 2834 | <1 | 2.1 | 0.6 |
| 09RAYJR186A1 | Rock | 0.33 | 71.32 | 14.31 | 3.30 | 0.68 | 2.47 | 2.66 | 4.27 | 0.34 | 0.11 | 0.06 | <0.002 | <20 | 7 | 0.2 | 99.73 | 1629 | 5 | 3.8 | 4.2 |
| 09RAYJR198A1 | Rock | 0.37 | 72.40 | 13.74 | 3.69 | 0.59 | 1.73 | 4.28 | 2.49 | 0.32 | 0.06 | 0.05 | <0.002 | <20 | 8 | 0.5 | 99.84 | 932 | <1 | 4.0 | 0.4 |
| 09RAYJR198C1 | Rock | 0.42 | 55.30 | 16.73 | 8.36 | 4.16 | 7.17 | 4.61 | 1.44 | 0.75 | 0.09 | 0.15 | <0.002 | <20 | 21 | 1.0 | 99.80 | 485 | <1 | 24.9 | 0.6 |
| 09RAYMC016A1 | Rock | 0.27 | 68.76 | 14.90 | 3.95 | 1.00 | 3.16 | 2.76 | 3.92 | 0.45 | 0.14 | 0.07 | 0.003 | <20 | 8 | 0.6 | 99.74 | 1442 | 6 | 5.9 | 4.7 |
| 09RAYMC084A1 | Rock | 0.31 | 42.72 | 19.34 | 13.48 | 6.82 | 12.12 | 1.76 | 0.15 | 1.43 | 0.28 | 0.22 | 0.012 | <20 | 42 | 1.4 | 99.74 | 50 | <1 | 39.6 | <0.1 |
| 09RAYMC101A1 | Rock | 0.82 | 67.69 | 15.52 | 4.57 | 1.05 | 3.95 | 3.73 | 2.08 | 0.41 | 0.09 | 0.10 | <0.002 | <20 | 12 | 0.6 | 99.79 | 964 | <1 | 6.6 | 1.5 |
| 09RAYMC104A1 | Rock | 0.46 | 69.94 | 14.47 | 3.84 | 1.01 | 3.64 | 3.53 | 1.74 | 0.42 | 0.18 | 0.08 | <0.002 | <20 | 7 | 1.0 | 99.79 | 1185 | 2 | 5.9 | 0.5 |
| 09RAYMC128A1 | Rock | 0.56 | 52.05 | 17.12 | 10.64 | 3.65 | 7.32 | 2.78 | 1.52 | 2.95 | 0.68 | 0.20 | 0.008 | 40 | 28 | 0.7 | 99.62 | 1220 | 3 | 32.9 | 0.9 |
| 09RAYMC129B | Rock | 0.67 | 45.95 | 16.96 | 10.14 | 6.52 | 12.89 | 2.54 | 0.65 | 1.05 | 0.06 | 0.17 | 0.041 | 89 | 39 | 2.8 | 99.78 | 190 | <1 | 48.5 | 0.6 |
| 09RAYMK068A1 | Rock | 0.36 | 47.39 | 15.97 | 12.02 | 6.52 | 11.08 | 2.33 | 1.68 | 1.05 | 0.24 | 0.18 | 0.009 | 28 | 42 | 1.2 | 99.66 | 700 | 3 | 41.0 | 0.8 |
| 10RAYJR006A01 | Rock | 0.40 | 47.52 | 15.65 | 10.84 | 6.39 | 11.95 | 2.98 | 0.54 | 0.81 | 0.07 | 0.18 | 0.055 | 113 | 43 | 2.8 | 99.80 | 174 | <1 | 49.9 | 0.3 |



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Project: Cordillera

Report Date: March 17, 2015

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Part: 2 of 5

CERTIFICATE OF ANALYSIS

VAN15000428.1

| Method Analyte Unit MDL | | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 |
|-------------------------|------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Ga | Hf | Nb | Rb | Sn | Sr | Ta | Th | U | V | W | Zr | Y | La | Ce | Pr | Nd | Sm | Eu | Gd |
| | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | | 0.5 | 0.1 | 0.1 | 0.1 | 1 | 0.5 | 0.1 | 0.2 | 0.1 | 8 | 0.5 | 0.1 | 0.1 | 0.1 | 0.02 | 0.3 | 0.05 | 0.02 | 0.05 | |
| 03RAY288B1 | Rock | 23.5 | 4.8 | 6.7 | 127.6 | 1 | 636.5 | 0.3 | 11.0 | 3.3 | <8 | 0.7 | 204.3 | 9.5 | 16.4 | 40.8 | 2.43 | 7.3 | 1.10 | 0.27 | 1.12 |
| 09RAYEK027A1 | Rock | 15.9 | 4.7 | 10.3 | 76.8 | 3 | 67.4 | 1.0 | 11.2 | 2.3 | 39 | 1.0 | 183.4 | 15.8 | 19.4 | 66.1 | 4.89 | 17.5 | 3.79 | 0.71 | 3.43 |
| 09RAYJCO18B | Rock | 18.1 | 3.1 | 7.1 | 45.1 | <1 | 1004.4 | 0.5 | 2.9 | 0.6 | 106 | <0.5 | 115.4 | 16.9 | 16.8 | 36.6 | 4.19 | 15.9 | 3.09 | 0.92 | 3.19 |
| 09RAYKR096A1 | Rock | 10.7 | 2.1 | 5.7 | 126.8 | 3 | 68.2 | 0.5 | 5.7 | 2.2 | <8 | <0.5 | 48.0 | 32.0 | 8.6 | 21.5 | 2.25 | 8.2 | 1.99 | 0.35 | 3.02 |
| 09RAYRS014A1 | Rock | 17.5 | 5.6 | 14.0 | 113.6 | <1 | 447.4 | 0.5 | 13.8 | 1.6 | 59 | 0.6 | 220.1 | 19.3 | 34.5 | 91.0 | 7.41 | 26.1 | 5.15 | 1.41 | 5.30 |
| 09RAYRS064A1 | Rock | 19.0 | 5.4 | 15.7 | 94.4 | 3 | 279.8 | 0.8 | 10.2 | 3.6 | 166 | 2.6 | 241.6 | 25.4 | 34.5 | 68.9 | 8.27 | 32.5 | 6.17 | 1.75 | 5.82 |
| 09RAYRS073A1 | Rock | 15.4 | 1.3 | 0.8 | 8.2 | <1 | 251.0 | <0.1 | 0.5 | <0.1 | 281 | <0.5 | 37.9 | 12.8 | 4.0 | 8.3 | 1.32 | 6.1 | 1.80 | 0.68 | 2.34 |
| 09RAYRS097A1 | Rock | 16.9 | 4.4 | 12.6 | 147.4 | 13 | 137.3 | 1.3 | 13.8 | 3.5 | <8 | 0.8 | 120.2 | 26.0 | 25.0 | 60.1 | 5.58 | 21.3 | 3.71 | 0.49 | 3.91 |
| 09RAYJR069A1 | Rock | 16.0 | 1.2 | 0.7 | 11.6 | 1 | 288.8 | 0.1 | <0.2 | <0.1 | 224 | <0.5 | 43.9 | 19.7 | 1.9 | 6.1 | 1.02 | 5.9 | 2.13 | 0.82 | 3.21 |
| 09RAYJR102A1 | Rock | 14.5 | 4.8 | 11.7 | 72.8 | 3 | 128.5 | 0.9 | 14.1 | 4.5 | 37 | 1.2 | 169.0 | 20.5 | 35.8 | 74.4 | 7.52 | 29.0 | 5.15 | 0.85 | 4.57 |
| 09RAYJR105A1 | Rock | 15.1 | 2.7 | 7.6 | 79.7 | <1 | 377.5 | 0.6 | 9.9 | 1.3 | 94 | <0.5 | 99.0 | 12.1 | 21.5 | 38.9 | 4.05 | 13.5 | 2.35 | 0.69 | 2.17 |
| 09RAYJR106A1 | Rock | 15.0 | 2.1 | 4.8 | 21.2 | <1 | 1161.3 | 0.2 | 0.6 | 0.2 | 29 | <0.5 | 82.5 | 1.8 | 4.7 | 8.1 | 0.86 | 3.1 | 0.48 | 0.17 | 0.39 |
| 09RAYJR118A1 | Rock | 17.0 | 2.4 | 9.6 | 63.8 | <1 | 838.4 | 0.5 | 1.6 | 1.0 | 41 | <0.5 | 96.1 | 6.5 | 9.5 | 20.5 | 1.98 | 7.4 | 1.63 | 0.51 | 1.40 |
| 09RAYJR120A1 | Rock | 16.7 | 1.8 | 3.7 | 28.8 | 1 | 276.9 | 0.3 | 2.1 | 0.7 | 273 | <0.5 | 66.5 | 16.4 | 9.5 | 18.4 | 2.65 | 12.8 | 2.79 | 1.09 | 3.21 |
| 09RAYJR121A1 | Rock | 13.0 | 4.4 | 7.7 | 88.4 | 2 | 130.9 | 0.6 | 6.7 | 3.2 | 17 | 1.3 | 161.3 | 17.8 | 20.3 | 42.1 | 5.15 | 17.3 | 3.73 | 0.85 | 3.48 |
| 09RAYJR127A | Rock | 17.1 | 3.9 | 12.0 | 77.9 | 2 | 488.9 | 0.8 | 11.0 | 1.8 | 124 | <0.5 | 160.1 | 30.3 | 41.8 | 89.4 | 9.09 | 34.8 | 6.58 | 1.36 | 5.76 |
| 09RAYJR157A | Rock | 15.0 | 2.9 | 41.0 | 19.3 | 1 | 405.5 | 2.3 | 4.1 | 1.2 | 261 | 3.1 | 128.9 | 18.2 | 33.4 | 66.5 | 7.59 | 29.2 | 4.89 | 1.47 | 4.69 |
| 09RAYJR163A1 | Rock | 15.2 | 3.7 | 24.9 | 300.7 | 6 | 31.7 | 2.9 | 29.6 | 4.9 | <8 | 1.5 | 86.9 | 30.7 | 18.7 | 41.9 | 4.77 | 16.8 | 4.54 | 0.18 | 4.86 |
| 09RAYJR177A1 | Rock | 13.2 | 3.5 | 6.6 | 63.6 | 1 | 49.0 | 0.5 | 9.6 | 2.5 | 20 | 0.5 | 129.1 | 17.0 | 17.0 | 36.0 | 4.01 | 14.0 | 2.70 | 0.44 | 2.76 |
| 09RAYJR186A1 | Rock | 17.2 | 4.2 | 12.6 | 184.6 | 2 | 291.5 | 1.3 | 12.6 | 2.4 | 31 | <0.5 | 137.1 | 23.3 | 24.3 | 50.2 | 5.02 | 18.7 | 3.90 | 0.90 | 3.67 |
| 09RAYJR198A1 | Rock | 15.2 | 4.4 | 9.6 | 68.4 | 1 | 155.8 | 0.8 | 9.6 | 1.2 | 30 | <0.5 | 145.4 | 20.3 | 21.1 | 46.6 | 4.42 | 16.7 | 3.24 | 0.66 | 3.08 |
| 09RAYJR198C1 | Rock | 15.8 | 2.8 | 3.9 | 34.3 | 2 | 277.5 | 0.3 | 3.3 | 1.1 | 181 | <0.5 | 103.1 | 22.2 | 12.9 | 26.5 | 3.19 | 13.3 | 3.13 | 1.01 | 3.61 |
| 09RAYMC016A1 | Rock | 16.9 | 4.6 | 13.2 | 154.9 | 2 | 328.6 | 1.3 | 14.4 | 2.3 | 42 | <0.5 | 162.8 | 23.4 | 27.4 | 62.2 | 6.33 | 22.4 | 4.53 | 1.12 | 4.21 |
| 09RAYMC084A1 | Rock | 21.0 | 1.8 | 4.0 | 1.4 | <1 | 436.4 | 0.1 | <0.2 | <0.1 | 359 | <0.5 | 66.0 | 18.5 | 7.3 | 19.0 | 2.78 | 13.6 | 3.52 | 1.13 | 3.68 |
| 09RAYMC101A1 | Rock | 15.9 | 5.3 | 10.6 | 56.3 | <1 | 287.7 | 0.6 | 7.1 | 0.8 | 46 | <0.5 | 188.7 | 27.2 | 25.2 | 55.2 | 5.92 | 21.9 | 4.63 | 1.11 | 4.73 |
| 09RAYMC104A1 | Rock | 14.7 | 4.0 | 7.2 | 46.6 | <1 | 292.0 | 0.5 | 4.7 | 0.7 | 49 | <0.5 | 158.2 | 14.1 | 10.2 | 25.2 | 2.56 | 9.2 | 2.48 | 0.78 | 2.30 |
| 09RAYMC128A1 | Rock | 21.0 | 8.2 | 80.6 | 37.3 | 2 | 316.5 | 4.3 | 6.6 | 1.8 | 308 | 2.3 | 343.2 | 37.7 | 55.9 | 108.9 | 13.09 | 53.0 | 10.45 | 3.19 | 10.17 |
| 09RAYMC129B | Rock | 16.3 | 1.8 | 1.7 | 17.5 | <1 | 117.0 | 0.1 | <0.2 | <0.1 | 284 | <0.5 | 56.7 | 26.1 | 2.9 | 6.1 | 1.08 | 6.5 | 2.52 | 0.89 | 3.46 |
| 09RAYMK068A1 | Rock | 16.2 | 1.3 | 1.6 | 43.0 | <1 | 574.4 | 0.1 | 1.2 | 0.4 | 372 | <0.5 | 36.6 | 15.0 | 7.7 | 16.2 | 2.21 | 11.5 | 3.06 | 1.03 | 3.19 |
| 10RAYJR006A01 | Rock | 14.8 | 1.2 | 1.9 | 9.5 | <1 | 112.5 | <0.1 | <0.2 | 0.1 | 272 | <0.5 | 40.3 | 19.8 | 2.5 | 5.8 | 0.93 | 4.5 | 1.77 | 0.70 | 2.62 |

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



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Client: **Geological Survey of Canada**

Room 659 - 601 Booth St.

Ottawa ON K1A 0E8 CANADA

Project: Cordillera

Report Date: March 17, 2015

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Part: 3 of 5

CERTIFICATE OF ANALYSIS

VAN15000428.1

| Method Analyte Unit MDL | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | TC000 | TC000 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| | Tb | Dy | Ho | Er | Tm | Yb | Lu | TOT/C | TOT/S | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | |
| | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | |
| | 0.01 | 0.05 | 0.02 | 0.03 | 0.01 | 0.05 | 0.01 | 0.02 | 0.02 | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | |
| 03RAY288B1 | Rock | 0.19 | 1.26 | 0.31 | 1.23 | 0.22 | 1.67 | 0.22 | <0.02 | <0.02 | 0.2 | 2.0 | 66.1 | 32 | <0.1 | 3.7 | 0.8 | 113 | 0.73 | 3.0 | <0.5 |
| 09RAYEK027A1 | Rock | 0.56 | 3.31 | 0.68 | 2.03 | 0.30 | 1.89 | 0.28 | 0.04 | <0.02 | 0.4 | 9.7 | 1.9 | 38 | <0.1 | 5.4 | 5.0 | 185 | 1.42 | 0.7 | 1.0 |
| 09RAYJCO18B | Rock | 0.50 | 2.96 | 0.56 | 1.74 | 0.23 | 1.65 | 0.27 | <0.02 | <0.02 | <0.1 | 2.8 | 0.7 | 45 | <0.1 | 2.3 | 6.5 | 481 | 2.28 | <0.5 | <0.5 |
| 09RAYKR096A1 | Rock | 0.71 | 4.80 | 1.09 | 3.20 | 0.47 | 3.22 | 0.49 | <0.02 | <0.02 | <0.1 | 2.0 | 3.5 | 13 | <0.1 | 1.0 | 0.4 | 93 | 0.63 | <0.5 | 0.6 |
| 09RAYRS014A1 | Rock | 0.73 | 4.38 | 0.75 | 1.98 | 0.28 | 1.90 | 0.24 | 0.04 | <0.02 | 0.3 | 6.7 | 3.6 | 80 | <0.1 | 5.6 | 7.7 | 380 | 3.26 | 0.6 | 0.8 |
| 09RAYRS064A1 | Rock | 0.91 | 5.10 | 0.95 | 2.64 | 0.39 | 2.68 | 0.37 | <0.02 | <0.02 | 0.1 | 3.1 | 1.2 | 85 | <0.1 | 0.8 | 14.5 | 589 | 4.76 | <0.5 | <0.5 |
| 09RAYRS073A1 | Rock | 0.38 | 2.47 | 0.54 | 1.43 | 0.19 | 1.29 | 0.22 | 0.03 | <0.02 | <0.1 | 42.7 | 0.3 | 17 | <0.1 | 17.5 | 6.7 | 188 | 1.13 | <0.5 | 1.2 |
| 09RAYRS097A1 | Rock | 0.72 | 4.59 | 0.99 | 2.69 | 0.43 | 2.90 | 0.40 | 0.03 | <0.02 | 0.2 | 3.5 | 9.4 | 25 | <0.1 | 0.9 | 0.3 | 93 | 0.60 | 1.4 | <0.5 |
| 09RAYJR069A1 | Rock | 0.57 | 3.88 | 0.78 | 2.15 | 0.31 | 2.10 | 0.27 | 0.02 | <0.02 | <0.1 | 1.5 | 1.0 | 25 | <0.1 | 32.9 | 12.4 | 262 | 1.71 | 0.9 | <0.5 |
| 09RAYJR102A1 | Rock | 0.69 | 3.76 | 0.74 | 2.27 | 0.36 | 2.08 | 0.28 | 0.03 | <0.02 | <0.1 | 3.3 | 3.8 | 43 | <0.1 | 7.5 | 4.7 | 197 | 2.03 | <0.5 | <0.5 |
| 09RAYJR105A1 | Rock | 0.36 | 2.01 | 0.44 | 1.23 | 0.19 | 1.36 | 0.21 | 0.03 | <0.02 | <0.1 | 3.5 | 1.3 | 46 | <0.1 | 2.2 | 11.0 | 581 | 2.66 | <0.5 | <0.5 |
| 09RAYJR106A1 | Rock | 0.05 | 0.29 | 0.05 | 0.16 | 0.03 | 0.21 | 0.03 | 0.03 | <0.02 | <0.1 | 1.8 | 1.6 | 28 | <0.1 | 1.7 | 3.5 | 218 | 1.00 | <0.5 | <0.5 |
| 09RAYJR118A1 | Rock | 0.19 | 1.05 | 0.22 | 0.57 | 0.10 | 0.61 | 0.10 | <0.02 | <0.02 | <0.1 | 1.1 | 0.8 | 55 | <0.1 | 1.8 | 4.9 | 435 | 1.63 | <0.5 | <0.5 |
| 09RAYJR120A1 | Rock | 0.56 | 3.32 | 0.63 | 1.84 | 0.26 | 1.72 | 0.24 | 0.06 | <0.02 | 0.1 | 1.6 | 14.0 | 39 | <0.1 | 4.9 | 13.5 | 441 | 2.12 | <0.5 | 0.7 |
| 09RAYJR121A1 | Rock | 0.55 | 3.11 | 0.65 | 1.87 | 0.30 | 1.79 | 0.30 | <0.02 | <0.02 | 0.6 | 4.4 | 1.9 | 47 | <0.1 | 1.3 | 1.7 | 170 | 0.98 | 0.7 | <0.5 |
| 09RAYJR127A | Rock | 0.92 | 5.24 | 0.95 | 2.57 | 0.43 | 2.83 | 0.50 | <0.02 | <0.02 | 0.3 | 27.4 | 4.2 | 54 | <0.1 | 11.4 | 15.8 | 514 | 2.87 | 0.5 | 1.0 |
| 09RAYJR157A | Rock | 0.66 | 3.60 | 0.69 | 1.90 | 0.26 | 1.63 | 0.24 | 0.03 | <0.02 | 0.1 | 1.3 | 1.5 | 35 | <0.1 | 61.4 | 14.6 | 404 | 1.99 | 0.8 | <0.5 |
| 09RAYJR163A1 | Rock | 0.89 | 5.34 | 1.05 | 3.34 | 0.57 | 3.72 | 0.59 | 0.03 | <0.02 | 0.3 | 1.5 | 21.2 | 7 | <0.1 | 1.2 | 0.3 | 159 | 0.40 | 0.5 | <0.5 |
| 09RAYJR177A1 | Rock | 0.49 | 3.02 | 0.58 | 1.84 | 0.26 | 1.65 | 0.22 | 0.02 | 0.05 | 0.7 | 9.0 | 2.5 | 9 | <0.1 | 1.7 | 2.0 | 97 | 1.06 | <0.5 | <0.5 |
| 09RAYJR186A1 | Rock | 0.64 | 3.86 | 0.79 | 2.37 | 0.37 | 2.33 | 0.39 | <0.02 | <0.02 | 0.1 | 3.5 | 12.7 | 65 | <0.1 | 3.1 | 4.2 | 328 | 2.01 | 1.0 | <0.5 |
| 09RAYJR198A1 | Rock | 0.54 | 3.46 | 0.74 | 2.16 | 0.34 | 2.34 | 0.36 | <0.02 | <0.02 | 0.1 | 2.2 | 0.8 | 43 | <0.1 | 1.2 | 4.1 | 379 | 2.46 | <0.5 | <0.5 |
| 09RAYJR198C1 | Rock | 0.61 | 3.94 | 0.82 | 2.36 | 0.36 | 2.17 | 0.35 | 0.02 | <0.02 | 0.2 | 23.0 | 2.3 | 22 | <0.1 | 5.9 | 15.8 | 372 | 2.06 | 0.8 | <0.5 |
| 09RAYMC016A1 | Rock | 0.69 | 3.76 | 0.75 | 2.21 | 0.35 | 2.26 | 0.34 | <0.02 | <0.02 | 0.2 | 8.6 | 4.3 | 59 | <0.1 | 4.8 | 6.6 | 343 | 2.52 | 1.0 | <0.5 |
| 09RAYMC084A1 | Rock | 0.62 | 3.60 | 0.77 | 2.02 | 0.29 | 1.99 | 0.31 | <0.02 | 0.09 | <0.1 | 59.7 | 0.3 | 30 | <0.1 | 11.1 | 21.5 | 375 | 2.85 | <0.5 | 1.2 |
| 09RAYMC101A1 | Rock | 0.81 | 4.80 | 1.02 | 2.93 | 0.41 | 2.90 | 0.43 | <0.02 | <0.02 | 0.1 | 1.7 | 2.0 | 53 | <0.1 | 1.1 | 6.7 | 561 | 2.46 | <0.5 | <0.5 |
| 09RAYMC104A1 | Rock | 0.39 | 2.39 | 0.46 | 1.31 | 0.23 | 1.44 | 0.23 | <0.02 | <0.02 | 0.1 | 2.4 | 3.1 | 30 | <0.1 | 1.3 | 5.6 | 318 | 1.83 | <0.5 | <0.5 |
| 09RAYMC128A1 | Rock | 1.46 | 7.71 | 1.38 | 3.73 | 0.53 | 3.22 | 0.51 | 0.03 | <0.02 | 0.8 | 57.2 | 1.6 | 57 | <0.1 | 27.9 | 22.9 | 333 | 3.28 | <0.5 | <0.5 |
| 09RAYMC129B | Rock | 0.68 | 4.39 | 1.00 | 2.55 | 0.39 | 2.59 | 0.39 | 0.39 | <0.02 | <0.1 | 118.0 | 0.5 | 27 | <0.1 | 25.4 | 15.2 | 379 | 1.89 | <0.5 | 1.5 |
| 09RAYMK068A1 | Rock | 0.52 | 3.15 | 0.64 | 1.61 | 0.24 | 1.54 | 0.24 | <0.02 | <0.02 | 0.1 | 125.0 | 0.6 | 27 | <0.1 | 8.6 | 13.9 | 428 | 2.54 | <0.5 | <0.5 |
| 10RAYJR006A01 | Rock | 0.53 | 3.46 | 0.79 | 2.26 | 0.34 | 2.27 | 0.31 | 0.42 | <0.02 | 0.1 | 92.1 | 0.2 | 28 | <0.1 | 32.3 | 15.7 | 400 | 2.03 | <0.5 | 0.9 |

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.



Bureau Veritas Commodities Canada Ltd.

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Project: Cordillera
Report Date: March 17, 2015

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Part: 4 of 5

CERTIFICATE OF ANALYSIS

VAN15000428.1

| Method Analyte Unit MDL | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | |
|-------------------------|--------|--------|--------|--------|--------|-------|-------|-------|--------|--------|-------|--------|-------|-------|-------|-------|-------|-------|--------|--------|------|
| | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm | Hg ppm | Sc ppm | |
| 03RAY288B1 | Rock | 10.1 | 23 | <0.1 | 0.2 | 0.2 | 7 | 0.06 | 0.004 | 16 | 4 | 0.02 | 42 | 0.013 | <20 | 0.21 | 0.066 | 0.10 | <0.1 | <0.01 | 0.5 |
| 09RAYEK027A1 | Rock | 9.5 | 7 | <0.1 | 0.1 | <0.1 | 5 | 0.14 | 0.089 | 11 | 5 | 0.31 | 398 | 0.019 | <20 | 0.66 | 0.028 | 0.18 | <0.1 | <0.01 | 1.8 |
| 09RAYJC018B | Rock | 1.6 | 26 | <0.1 | <0.1 | <0.1 | 58 | 0.53 | 0.091 | 9 | 4 | 0.65 | 153 | 0.143 | <20 | 0.93 | 0.113 | 0.60 | <0.1 | <0.01 | 2.8 |
| 09RAYKR096A1 | Rock | 5.9 | 2 | <0.1 | <0.1 | 0.2 | <2 | 0.08 | 0.023 | 9 | 3 | 0.05 | 24 | 0.017 | <20 | 0.30 | 0.054 | 0.17 | <0.1 | <0.01 | 0.9 |
| 09RAYRS014A1 | Rock | 13.6 | 20 | <0.1 | <0.1 | <0.1 | 42 | 0.41 | 0.099 | 33 | 11 | 0.70 | 168 | 0.186 | <20 | 1.68 | 0.053 | 0.65 | <0.1 | <0.01 | 3.0 |
| 09RAYRS064A1 | Rock | 1.8 | 27 | <0.1 | <0.1 | <0.1 | 70 | 0.66 | 0.221 | 5 | 2 | 1.22 | 1044 | 0.401 | <20 | 2.64 | 0.039 | 2.08 | 0.2 | <0.01 | 1.8 |
| 09RAYRS073A1 | Rock | <0.1 | 9 | <0.1 | <0.1 | <0.1 | 32 | 0.73 | 0.037 | <1 | 38 | 0.73 | 18 | 0.048 | <20 | 0.85 | 0.104 | 0.04 | <0.1 | <0.01 | 4.3 |
| 09RAYRS097A1 | Rock | 11.9 | 13 | 0.1 | <0.1 | <0.1 | <2 | 0.12 | 0.007 | 23 | 3 | 0.01 | 154 | 0.018 | <20 | 0.30 | 0.038 | 0.28 | <0.1 | <0.01 | 0.9 |
| 09RAYJR069A1 | Rock | <0.1 | 13 | <0.1 | <0.1 | <0.1 | 25 | 0.59 | 0.048 | <1 | 65 | 1.09 | 20 | 0.166 | <20 | 1.24 | 0.056 | 0.06 | <0.1 | <0.01 | 2.2 |
| 09RAYJR102A1 | Rock | 6.3 | 12 | <0.1 | <0.1 | <0.1 | 23 | 0.23 | 0.046 | 12 | 19 | 0.69 | 145 | 0.142 | <20 | 1.09 | 0.054 | 0.48 | 0.2 | <0.01 | 3.3 |
| 09RAYJR105A1 | Rock | 11.8 | 22 | <0.1 | <0.1 | <0.1 | 52 | 0.28 | 0.042 | 19 | 5 | 0.90 | 189 | 0.188 | <20 | 1.56 | 0.051 | 1.23 | <0.1 | <0.01 | 1.7 |
| 09RAYJR106A1 | Rock | 0.1 | 51 | <0.1 | <0.1 | <0.1 | 11 | 0.25 | 0.031 | <1 | 5 | 0.30 | 99 | 0.070 | <20 | 0.61 | 0.067 | 0.21 | <0.1 | <0.01 | 0.2 |
| 09RAYJR118A1 | Rock | 1.0 | 46 | <0.1 | <0.1 | <0.1 | 23 | 0.28 | 0.059 | 4 | 4 | 0.48 | 196 | 0.134 | <20 | 1.03 | 0.067 | 0.71 | <0.1 | <0.01 | 0.7 |
| 09RAYJR120A1 | Rock | 0.1 | 15 | 0.1 | <0.1 | 0.1 | 30 | 0.61 | 0.086 | 1 | 74 | 1.07 | 88 | 0.107 | <20 | 1.31 | 0.042 | 0.11 | <0.1 | <0.01 | 2.1 |
| 09RAYJR121A1 | Rock | 0.7 | 7 | <0.1 | <0.1 | <0.1 | 3 | 0.19 | 0.020 | 2 | 3 | 0.19 | 312 | 0.088 | <20 | 0.58 | 0.023 | 0.43 | <0.1 | <0.01 | 0.9 |
| 09RAYJR127A | Rock | 11.4 | 42 | <0.1 | <0.1 | <0.1 | 50 | 0.76 | 0.095 | 34 | 34 | 1.07 | 256 | 0.196 | <20 | 1.72 | 0.119 | 1.08 | 0.1 | <0.01 | 3.9 |
| 09RAYJR157A | Rock | 1.2 | 29 | <0.1 | <0.1 | <0.1 | 58 | 1.47 | 0.198 | 7 | 182 | 1.42 | 112 | 0.178 | <20 | 1.37 | 0.138 | 0.30 | 0.2 | <0.01 | 5.5 |
| 09RAYJR163A1 | Rock | 29.8 | 6 | <0.1 | 0.1 | 0.4 | <2 | 0.12 | 0.009 | 19 | 2 | 0.02 | 57 | 0.003 | <20 | 0.24 | 0.033 | 0.34 | 0.3 | <0.01 | 0.6 |
| 09RAYJR177A1 | Rock | 6.3 | 6 | <0.1 | <0.1 | 0.1 | <2 | 0.09 | 0.018 | 4 | 3 | 0.09 | 383 | 0.004 | <20 | 0.38 | 0.034 | 0.17 | <0.1 | <0.01 | 0.9 |
| 09RAYJR186A1 | Rock | 12.7 | 11 | 0.1 | <0.1 | 0.2 | 24 | 0.23 | 0.049 | 26 | 8 | 0.36 | 206 | 0.124 | <20 | 1.05 | 0.052 | 0.73 | <0.1 | <0.01 | 3.9 |
| 09RAYJR198A1 | Rock | 11.5 | 7 | <0.1 | <0.1 | <0.1 | 24 | 0.17 | 0.029 | 22 | 3 | 0.32 | 119 | 0.135 | <20 | 0.69 | 0.071 | 0.46 | <0.1 | <0.01 | 6.4 |
| 09RAYJR198C1 | Rock | 2.1 | 15 | <0.1 | <0.1 | <0.1 | 48 | 0.91 | 0.052 | 7 | 4 | 0.71 | 46 | 0.130 | <20 | 0.87 | 0.116 | 0.13 | <0.1 | <0.01 | 5.3 |
| 09RAYMC016A1 | Rock | 13.9 | 16 | <0.1 | <0.1 | <0.1 | 34 | 0.30 | 0.057 | 28 | 11 | 0.54 | 192 | 0.161 | <20 | 1.41 | 0.070 | 0.95 | <0.1 | <0.01 | 4.6 |
| 09RAYMC084A1 | Rock | <0.1 | 165 | <0.1 | <0.1 | <0.1 | 83 | 2.64 | 0.122 | <1 | 22 | 1.10 | 24 | 0.085 | <20 | 3.89 | 0.393 | 0.04 | <0.1 | <0.01 | 9.6 |
| 09RAYMC101A1 | Rock | 7.1 | 17 | <0.1 | <0.1 | <0.1 | 32 | 0.34 | 0.043 | 22 | 4 | 0.56 | 238 | 0.199 | <20 | 1.31 | 0.076 | 0.95 | <0.1 | <0.01 | 3.0 |
| 09RAYMC104A1 | Rock | 4.5 | 24 | <0.1 | <0.1 | <0.1 | 30 | 0.40 | 0.081 | 6 | 4 | 0.39 | 345 | 0.143 | <20 | 1.05 | 0.051 | 0.62 | <0.1 | <0.01 | 2.5 |
| 09RAYMC128A1 | Rock | 2.4 | 28 | 0.1 | <0.1 | <0.1 | 140 | 1.21 | 0.280 | 15 | 31 | 1.25 | 740 | 0.282 | <20 | 2.06 | 0.103 | 0.92 | 0.1 | <0.01 | 8.2 |
| 09RAYMC129B | Rock | <0.1 | 11 | <0.1 | <0.1 | <0.1 | 62 | 2.16 | 0.025 | <1 | 87 | 0.99 | 48 | 0.185 | <20 | 1.30 | 0.106 | 0.13 | <0.1 | <0.01 | 6.5 |
| 09RAYMK068A1 | Rock | 0.2 | 63 | <0.1 | <0.1 | <0.1 | 103 | 1.85 | 0.104 | 1 | 17 | 1.11 | 38 | 0.162 | <20 | 1.69 | 0.203 | 0.22 | <0.1 | <0.01 | 10.3 |
| 10RAYJR006A01 | Rock | <0.1 | 11 | <0.1 | <0.1 | <0.1 | 64 | 2.22 | 0.036 | <1 | 113 | 0.98 | 43 | 0.139 | <20 | 1.14 | 0.115 | 0.11 | <0.1 | <0.01 | 8.8 |



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Project: Cordillera

Report Date: March 17, 2015

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Part: 5 of 5

CERTIFICATE OF ANALYSIS

VAN15000428.1

| Method Analyte | Unit | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 |
|-------------------|------|-------|-------|-------|-------|-------|
| | | Tl | S | Ga | Se | Te |
| MDL | | ppm | % | ppm | ppm | ppm |
| | | 0.1 | 0.05 | 1 | 0.5 | 0.2 |
| 03RAY288B1 | Rock | <0.1 | <0.05 | 1 | <0.5 | <0.2 |
| 09RAYEK027A1 | Rock | <0.1 | <0.05 | 2 | <0.5 | <0.2 |
| 09RAYJC018B | Rock | 0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 09RAYKR096A1 | Rock | <0.1 | <0.05 | 1 | <0.5 | <0.2 |
| 09RAYRS014A1 | Rock | 0.2 | <0.05 | 7 | <0.5 | <0.2 |
| 09RAYRS064A1 | Rock | 0.4 | <0.05 | 6 | <0.5 | <0.2 |
| 09RAYRS073A1 | Rock | <0.1 | <0.05 | 2 | <0.5 | <0.2 |
| 09RAYRS097A1 | Rock | <0.1 | <0.05 | 1 | <0.5 | <0.2 |
| 09RAYJR069A1 | Rock | <0.1 | <0.05 | 2 | <0.5 | <0.2 |
| 09RAYJR102A1 | Rock | 0.2 | <0.05 | 6 | <0.5 | <0.2 |
| 09RAYJR105A1 | Rock | 0.3 | <0.05 | 4 | <0.5 | <0.2 |
| 09RAYJR106A1 | Rock | <0.1 | <0.05 | 2 | <0.5 | <0.2 |
| 09RAYJR118A1 | Rock | 0.2 | <0.05 | 5 | <0.5 | <0.2 |
| 09RAYJR120A1 | Rock | <0.1 | <0.05 | 2 | <0.5 | <0.2 |
| 09RAYJR121A1 | Rock | 0.2 | <0.05 | 2 | <0.5 | <0.2 |
| 09RAYJR127A | Rock | 0.3 | <0.05 | 5 | <0.5 | <0.2 |
| 09RAYJR157A | Rock | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 09RAYJR163A1 | Rock | 0.2 | <0.05 | <1 | <0.5 | <0.2 |
| 09RAYJR177A1 | Rock | <0.1 | <0.05 | 1 | <0.5 | <0.2 |
| 09RAYJR186A1 | Rock | 0.5 | <0.05 | 5 | <0.5 | <0.2 |
| 09RAYJR198A1 | Rock | 0.2 | <0.05 | 4 | <0.5 | <0.2 |
| 09RAYJR198C1 | Rock | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| 09RAYMC016A1 | Rock | 0.6 | <0.05 | 6 | <0.5 | <0.2 |
| 09RAYMC084A1 | Rock | <0.1 | 0.08 | 7 | <0.5 | <0.2 |
| 09RAYMC101A1 | Rock | 0.2 | <0.05 | 4 | <0.5 | <0.2 |
| 09RAYMC104A1 | Rock | 0.2 | <0.05 | 3 | <0.5 | <0.2 |
| 09RAYMC128A1 | Rock | 0.2 | <0.05 | 8 | <0.5 | <0.2 |
| 09RAYMC129B | Rock | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| 09RAYMK068A1 | Rock | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 10RAYJR006A01 | Rock | <0.1 | <0.05 | 3 | <0.5 | <0.2 |



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Project: Cordillera

Report Date: March 17, 2015

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Part: 1 of 5

CERTIFICATE OF ANALYSIS

VAN15000428.1

| Method | WGHT | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 |
|----------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| Analyte | Wgt | SiO2 | Al2O3 | Fe2O3 | MgO | CaO | Na2O | K2O | TiO2 | P2O5 | MnO | Cr2O3 | Ni | Sc | LOI | Sum | Ba | Be | Co | Cs | |
| Unit | kg | % | % | % | % | % | % | % | % | % | % | % | ppm | ppm | % | % | ppm | ppm | ppm | ppm | |
| MDL | 0.01 | 0.01 | 0.01 | 0.04 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.002 | 20 | 1 | -5.1 | 0.01 | 1 | 1 | 0.2 | 0.1 | |
| 10RAYJR007A01 | Rock | 0.37 | 46.47 | 15.04 | 8.62 | 4.98 | 14.45 | 3.30 | 1.11 | 0.86 | 0.24 | 0.14 | 0.035 | 46 | 34 | 4.5 | 99.73 | 334 | <1 | 25.1 | 0.5 |
| 10RAYJR013A01 | Rock | 0.56 | 41.78 | 17.84 | 11.67 | 8.22 | 14.80 | 1.06 | 1.11 | 0.93 | 0.03 | 0.15 | 0.003 | 53 | 40 | 2.1 | 99.71 | 239 | <1 | 46.9 | 0.5 |
| 10RAYJR068A01 | Rock | 0.48 | 68.59 | 14.85 | 3.83 | 1.17 | 2.64 | 2.68 | 4.13 | 0.53 | 0.11 | 0.05 | 0.002 | <20 | 8 | 1.0 | 99.54 | 3222 | 2 | 6.1 | 2.8 |
| 10RAYJR044A01 | Rock | 0.52 | 62.49 | 15.27 | 6.58 | 2.75 | 5.77 | 2.55 | 1.85 | 0.50 | 0.10 | 0.11 | 0.004 | <20 | 20 | 1.8 | 99.79 | 746 | <1 | 15.9 | 0.7 |
| 10RAYJR092A01 | Rock | 0.40 | 71.05 | 14.56 | 2.86 | 0.85 | 2.07 | 3.06 | 4.14 | 0.30 | 0.07 | 0.05 | 0.004 | <20 | 5 | 0.8 | 99.81 | 858 | 5 | 4.5 | 6.2 |
| 11RAYAZ198A01 | Rock | 0.49 | 47.37 | 18.19 | 12.53 | 5.85 | 10.01 | 1.66 | 1.95 | 0.77 | 0.10 | 0.23 | 0.006 | <20 | 45 | 1.0 | 99.65 | 1228 | <1 | 36.9 | 1.2 |
| 11RAYAZ207A01 | Rock | 0.45 | 74.26 | 12.52 | 2.91 | 0.59 | 2.25 | 3.71 | 1.86 | 0.25 | 0.04 | 0.05 | <0.002 | <20 | 8 | 1.4 | 99.82 | 1195 | <1 | 3.2 | 1.6 |
| 11RAYAZ273A01 | Rock | 0.49 | 54.35 | 14.73 | 13.09 | 3.87 | 6.35 | 4.59 | 0.36 | 1.68 | 0.18 | 0.21 | 0.003 | <20 | 33 | 0.4 | 99.82 | 94 | <1 | 31.4 | <0.1 |
| 11RAYAZ275A01 | Rock | 0.47 | 60.50 | 18.13 | 5.24 | 3.38 | 4.05 | 3.12 | 3.19 | 0.56 | 0.17 | 0.13 | 0.005 | <20 | 13 | 1.0 | 99.48 | 2721 | <1 | 7.2 | 1.9 |
| 11RAYAZ286A01 | Rock | 0.65 | 74.50 | 13.32 | 2.33 | 0.45 | 0.20 | 2.87 | 5.25 | 0.17 | 0.04 | 0.03 | <0.002 | <20 | 2 | 0.7 | 99.89 | 598 | 4 | 1.7 | 1.4 |
| 11RAYAZ289A01 | Rock | 0.34 | 47.69 | 15.50 | 11.92 | 6.07 | 12.46 | 2.51 | 0.36 | 1.69 | 0.15 | 0.20 | 0.032 | 62 | 43 | 1.2 | 99.77 | 87 | 2 | 40.4 | 0.2 |
| 11RAYAZ293A01 | Rock | 0.53 | 73.83 | 13.40 | 2.05 | 0.47 | 1.67 | 3.14 | 4.70 | 0.20 | 0.04 | 0.04 | <0.002 | <20 | 2 | 0.3 | 99.84 | 708 | 3 | 2.7 | 2.6 |
| 11RAYAZ370A01 | Rock | 0.29 | 87.60 | 5.25 | 2.76 | 0.98 | 0.21 | 0.59 | 0.86 | 0.37 | 0.09 | 0.02 | 0.008 | 22 | 5 | 1.2 | 99.92 | 388 | <1 | 3.7 | 0.7 |
| 11RAYAZ397A1-1 | Rock | 0.35 | 41.34 | 13.27 | 13.47 | 9.91 | 15.13 | 0.97 | 0.94 | 3.17 | 0.59 | 0.24 | 0.067 | 157 | 34 | 0.5 | 99.62 | 591 | 2 | 48.0 | 0.6 |
| 11RAYAZ397A1-2 | Rock | 0.41 | 40.76 | 13.84 | 14.48 | 9.66 | 14.83 | 0.74 | 0.64 | 3.36 | 0.67 | 0.26 | 0.066 | 139 | 33 | 0.3 | 99.63 | 456 | 2 | 50.3 | 0.8 |
| 11RAYAZ418A01 | Rock | 0.74 | 59.03 | 17.39 | 6.89 | 2.59 | 6.39 | 3.65 | 2.12 | 0.65 | 0.31 | 0.13 | 0.002 | <20 | 13 | 0.5 | 99.65 | 1440 | <1 | 12.2 | 0.9 |
| 11RAYCR109A | Rock | 0.36 | 62.21 | 14.75 | 7.86 | 2.53 | 6.95 | 1.83 | 1.08 | 0.94 | 0.09 | 0.14 | <0.002 | <20 | 30 | 1.4 | 99.76 | 1044 | <1 | 15.1 | 0.9 |
| 11RAYCR155A | Rock | 0.21 | 76.23 | 12.37 | 2.00 | 0.54 | 0.04 | 1.77 | 6.17 | 0.08 | <0.01 | 0.02 | <0.002 | <20 | <1 | 0.7 | 99.96 | 145 | 5 | <0.2 | 0.8 |
| 11RAYCR156A | Rock | 0.36 | 59.51 | 14.32 | 9.91 | 4.00 | 4.49 | 2.82 | 0.89 | 0.85 | 0.05 | 0.11 | <0.002 | <20 | 37 | 2.8 | 99.79 | 128 | <1 | 18.2 | 0.9 |
| 11RAYCR165B | Rock | 0.26 | 74.47 | 13.02 | 2.22 | 0.31 | 1.01 | 2.70 | 5.55 | 0.17 | 0.03 | 0.03 | 0.002 | <20 | 2 | 0.4 | 99.89 | 493 | 3 | 1.7 | 2.3 |
| 11RAYJC127A1 | Rock | 0.23 | 74.83 | 13.25 | 1.58 | 0.70 | 0.04 | 1.72 | 6.53 | 0.10 | <0.01 | 0.02 | <0.002 | <20 | 1 | 1.1 | 99.91 | 212 | 3 | 0.3 | 1.3 |
| 02RAY294A | Rock | 0.56 | 72.86 | 12.16 | 6.24 | 0.96 | 2.83 | 1.09 | 1.99 | 0.37 | 0.06 | 0.13 | <0.002 | <20 | 20 | 1.1 | 99.78 | 1571 | 1 | 4.3 | 1.4 |
| 11RAYJR001A01 | Rock | 0.36 | 72.26 | 13.92 | 2.41 | 0.83 | 1.28 | 2.82 | 5.16 | 0.32 | 0.07 | 0.03 | <0.002 | <20 | 5 | 0.7 | 99.80 | 1098 | 3 | 2.9 | 7.8 |
| 11RAYJR097B01 | Rock | 0.28 | 47.23 | 17.92 | 12.22 | 7.19 | 10.26 | 1.42 | 0.15 | 0.72 | 0.06 | 0.21 | 0.008 | 26 | 44 | 2.4 | 99.76 | 83 | 1 | 38.0 | <0.1 |
| 11RAYJR103A1 | Rock | 0.27 | 69.09 | 13.69 | 6.06 | 2.34 | 2.57 | 2.09 | 1.85 | 0.73 | 0.10 | 0.07 | 0.014 | 48 | 12 | 1.2 | 99.81 | 442 | <1 | 15.2 | 1.3 |
| 11RAYJR238A01 | Rock | 0.45 | 71.37 | 14.11 | 3.05 | 1.25 | 0.92 | 3.61 | 4.40 | 0.36 | 0.08 | 0.05 | 0.003 | <20 | 6 | 0.6 | 99.79 | 1030 | 2 | 4.9 | 2.6 |
| 11RAYJR240A01 | Rock | 0.73 | 73.64 | 13.31 | 2.46 | 0.55 | 0.51 | 2.94 | 5.49 | 0.25 | 0.04 | 0.04 | <0.002 | <20 | 3 | 0.6 | 99.82 | 923 | 2 | 2.3 | 1.1 |
| 11RAYJR259A01 | Rock | 0.45 | 73.86 | 13.54 | 2.18 | 0.38 | 0.49 | 3.44 | 5.21 | 0.15 | 0.03 | 0.03 | <0.002 | <20 | 2 | 0.5 | 99.82 | 1108 | 6 | 1.3 | 1.7 |
| 11RAYJR262A | Rock | 0.50 | 72.64 | 13.84 | 2.52 | 0.37 | 1.48 | 2.91 | 4.76 | 0.16 | 0.02 | 0.04 | <0.002 | <20 | 2 | 1.0 | 99.77 | 1460 | 3 | 1.6 | 1.7 |
| 11RAYJR264A01 | Rock | 0.52 | 71.91 | 14.01 | 2.78 | 0.70 | 2.09 | 3.03 | 4.46 | 0.35 | 0.07 | 0.05 | <0.002 | <20 | 4 | 0.4 | 99.83 | 773 | 4 | 3.6 | 5.0 |



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Project: Cordillera

Report Date: March 17, 2015

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Part: 2 of 5

CERTIFICATE OF ANALYSIS

VAN15000428.1

| Method Analyte | Unit | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | |
|----------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| | | Ga | Hf | Nb | Rb | Sn | Sr | Ta | Th | U | V | W | Zr | Y | La | Ce | Pr | Nd | Sm | Eu | Gd |
| MDL | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | |
| | | 0.5 | 0.1 | 0.1 | 0.1 | 1 | 0.5 | 0.1 | 0.2 | 0.1 | 8 | 0.5 | 0.1 | 0.1 | 0.1 | 0.02 | 0.3 | 0.05 | 0.02 | 0.05 | |
| 10RAYJR007A01 | Rock | 15.5 | 1.5 | 2.3 | 18.1 | <1 | 807.1 | 0.1 | 1.1 | 1.1 | 296 | <0.5 | 48.1 | 18.6 | 7.4 | 15.9 | 2.27 | 10.3 | 2.81 | 0.96 | 3.22 |
| 10RAYJR013A01 | Rock | 16.3 | 0.7 | 0.5 | 29.7 | <1 | 629.5 | <0.1 | <0.2 | <0.1 | 361 | <0.5 | 16.3 | 7.6 | 2.5 | 4.9 | 0.85 | 4.5 | 1.16 | 0.52 | 1.56 |
| 10RAYJR068A01 | Rock | 18.2 | 6.5 | 6.1 | 100.4 | <1 | 328.5 | 0.4 | 7.8 | 6.4 | 42 | <0.5 | 236.9 | 19.7 | 37.3 | 70.2 | 7.45 | 26.0 | 4.42 | 1.25 | 3.87 |
| 10RAYJR044A01 | Rock | 14.8 | 3.6 | 5.8 | 55.7 | <1 | 305.8 | 0.4 | 7.2 | 1.9 | 132 | <0.5 | 122.9 | 21.8 | 16.3 | 36.3 | 4.48 | 17.7 | 3.69 | 0.84 | 4.06 |
| 10RAYJR092A01 | Rock | 17.1 | 4.3 | 8.8 | 140.6 | <1 | 365.6 | 1.0 | 15.5 | 5.8 | 29 | <0.5 | 138.3 | 22.6 | 46.1 | 63.3 | 8.98 | 29.8 | 5.63 | 0.79 | 4.61 |
| 11RAYAZ198A01 | Rock | 16.6 | 1.7 | 1.9 | 39.7 | <1 | 164.6 | 0.1 | 2.6 | 0.8 | 353 | <0.5 | 61.4 | 15.2 | 11.2 | 22.8 | 2.73 | 11.5 | 3.06 | 0.87 | 3.04 |
| 11RAYAZ207A01 | Rock | 12.7 | 3.3 | 4.6 | 56.2 | 2 | 111.1 | 0.4 | 6.9 | 1.8 | 30 | <0.5 | 119.4 | 24.2 | 19.1 | 38.1 | 4.60 | 16.9 | 3.85 | 0.71 | 3.85 |
| 11RAYAZ273A01 | Rock | 17.4 | 2.3 | 2.2 | 3.1 | <1 | 183.1 | 0.2 | 1.0 | 0.4 | 416 | <0.5 | 85.5 | 29.6 | 7.1 | 16.9 | 2.43 | 11.5 | 3.36 | 1.31 | 4.63 |
| 11RAYAZ275A01 | Rock | 16.0 | 4.6 | 8.3 | 101.5 | 1 | 829.5 | 0.6 | 16.8 | 3.7 | 84 | 0.7 | 186.4 | 20.4 | 43.5 | 82.2 | 9.27 | 35.1 | 6.03 | 1.68 | 5.30 |
| 11RAYAZ286A01 | Rock | 13.8 | 4.7 | 19.1 | 210.1 | 3 | 94.1 | 2.0 | 23.7 | 3.0 | 10 | 3.3 | 143.6 | 8.5 | 22.3 | 74.8 | 3.49 | 10.1 | 1.87 | 0.22 | 1.71 |
| 11RAYAZ289A01 | Rock | 16.7 | 2.7 | 3.3 | 4.8 | <1 | 180.2 | 0.3 | 0.4 | <0.1 | 352 | <0.5 | 109.9 | 32.7 | 5.6 | 13.8 | 2.31 | 12.1 | 3.59 | 1.36 | 5.16 |
| 11RAYAZ293A01 | Rock | 13.6 | 4.7 | 13.8 | 149.1 | 6 | 235.0 | 1.2 | 26.1 | 4.8 | 14 | <0.5 | 156.7 | 17.5 | 55.4 | 102.5 | 10.15 | 31.5 | 5.01 | 0.69 | 3.96 |
| 11RAYAZ370A01 | Rock | 5.5 | 2.9 | 7.6 | 33.0 | <1 | 35.1 | 0.6 | 4.5 | 1.1 | 61 | <0.5 | 121.0 | 10.1 | 13.3 | 24.8 | 3.08 | 11.3 | 2.07 | 0.45 | 1.98 |
| 11RAYAZ397A1-1 | Rock | 16.0 | 5.4 | 57.7 | 14.0 | 2 | 349.4 | 3.6 | 1.5 | 0.3 | 285 | <0.5 | 201.7 | 27.7 | 39.7 | 86.0 | 10.88 | 44.1 | 9.22 | 2.67 | 8.01 |
| 11RAYAZ397A1-2 | Rock | 16.6 | 5.2 | 76.5 | 19.1 | 1 | 271.2 | 4.9 | 2.9 | 0.7 | 279 | 0.5 | 196.5 | 31.3 | 46.6 | 102.1 | 12.86 | 49.6 | 9.59 | 3.21 | 9.07 |
| 11RAYAZ418A01 | Rock | 18.7 | 3.5 | 8.0 | 48.1 | 1 | 891.9 | 0.3 | 3.9 | 1.2 | 121 | <0.5 | 136.9 | 16.6 | 25.2 | 52.1 | 5.97 | 22.0 | 4.70 | 1.10 | 3.75 |
| 11RAYCR109A | Rock | 15.3 | 2.2 | 4.8 | 37.9 | <1 | 173.0 | 0.3 | 3.4 | 1.2 | 200 | <0.5 | 82.8 | 17.9 | 12.2 | 23.7 | 2.85 | 11.9 | 2.50 | 0.74 | 3.16 |
| 11RAYCR155A | Rock | 17.4 | 5.4 | 15.3 | 207.8 | 3 | 18.6 | 1.5 | 16.1 | 1.8 | <8 | 2.4 | 144.5 | 7.9 | 3.0 | 4.5 | 0.42 | 1.2 | 0.27 | <0.02 | 0.64 |
| 11RAYCR156A | Rock | 15.4 | 1.2 | 1.8 | 36.3 | <1 | 624.9 | 0.1 | 0.5 | 0.2 | 189 | <0.5 | 36.4 | 21.0 | 2.8 | 7.4 | 1.12 | 6.2 | 2.09 | 0.75 | 2.93 |
| 11RAYCR165B | Rock | 16.5 | 4.5 | 19.5 | 166.8 | 2 | 154.4 | 1.8 | 20.6 | 5.1 | 11 | 0.7 | 143.3 | 17.8 | 13.4 | 41.2 | 2.20 | 7.4 | 1.76 | 0.31 | 2.19 |
| 11RAYJC127A1 | Rock | 18.4 | 8.1 | 24.7 | 223.4 | 2 | 10.9 | 1.5 | 27.7 | 3.3 | <8 | 1.0 | 221.2 | 28.2 | 31.2 | 62.9 | 6.94 | 25.6 | 4.96 | 0.09 | 4.77 |
| 02RAY294A | Rock | 13.2 | 2.2 | 4.9 | 52.6 | <1 | 70.2 | 0.2 | 1.2 | 0.6 | <8 | <0.5 | 64.9 | 26.4 | 7.6 | 18.7 | 2.04 | 10.0 | 2.84 | 0.84 | 3.80 |
| 11RAYJR001A01 | Rock | 18.1 | 4.9 | 12.9 | 217.0 | 4 | 189.0 | 1.5 | 13.4 | 4.7 | 19 | 0.9 | 161.3 | 14.8 | 14.5 | 34.2 | 3.10 | 11.5 | 2.52 | 0.49 | 2.36 |
| 11RAYJR097B01 | Rock | 16.1 | 1.3 | 1.3 | 1.5 | <1 | 122.6 | <0.1 | 1.5 | 0.6 | 380 | <0.5 | 37.5 | 13.4 | 7.3 | 16.1 | 1.96 | 8.6 | 2.07 | 0.69 | 2.25 |
| 11RAYJR103A1 | Rock | 16.2 | 5.3 | 12.3 | 60.2 | <1 | 262.1 | 0.5 | 13.8 | 2.0 | 80 | 0.6 | 210.4 | 18.4 | 38.3 | 81.8 | 8.13 | 31.1 | 5.40 | 1.30 | 4.73 |
| 11RAYJR238A01 | Rock | 15.8 | 4.7 | 10.2 | 132.1 | 3 | 147.8 | 1.1 | 18.9 | 3.8 | 30 | 1.4 | 171.8 | 20.4 | 36.0 | 72.8 | 7.10 | 25.1 | 4.42 | 0.70 | 3.83 |
| 11RAYJR240A01 | Rock | 13.9 | 5.2 | 10.8 | 162.6 | 3 | 117.6 | 1.1 | 30.9 | 5.8 | 12 | 1.2 | 173.8 | 17.7 | 49.2 | 91.4 | 8.28 | 27.3 | 4.16 | 0.54 | 3.47 |
| 11RAYJR259A01 | Rock | 12.4 | 5.2 | 14.3 | 182.7 | 2 | 128.6 | 1.4 | 30.2 | 4.0 | 9 | 0.8 | 171.2 | 4.9 | 5.7 | 37.2 | 1.01 | 3.3 | 0.62 | 0.11 | 0.72 |
| 11RAYJR262A | Rock | 14.0 | 4.7 | 11.9 | 164.3 | 2 | 161.8 | 1.0 | 20.7 | 4.4 | 10 | 0.7 | 166.4 | 13.0 | 31.1 | 60.1 | 4.99 | 16.3 | 2.47 | 0.37 | 2.14 |
| 11RAYJR264A01 | Rock | 15.3 | 4.8 | 11.7 | 188.9 | 5 | 188.2 | 1.1 | 19.5 | 5.4 | 19 | 1.7 | 164.2 | 21.5 | 36.8 | 75.4 | 7.46 | 27.7 | 4.88 | 0.71 | 4.47 |



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Project: Cordillera

Report Date: March 17, 2015

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Part: 3 of 5

CERTIFICATE OF ANALYSIS

VAN15000428.1

| Method Analyte Unit MDL | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | TC000 | TC000 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| | Tb | Dy | Ho | Er | Tm | Yb | Lu | TOT/C | TOT/S | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | |
| | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | |
| 10RAYJR007A01 | Rock | 0.53 | 3.10 | 0.63 | 1.64 | 0.25 | 1.64 | 0.24 | 1.22 | 0.11 | 0.3 | 37.2 | 0.8 | 19 | <0.1 | 25.2 | 10.0 | 384 | 1.51 | <0.5 | <0.5 |
| 10RAYJR013A01 | Rock | 0.24 | 1.47 | 0.25 | 0.79 | 0.11 | 0.59 | 0.09 | <0.02 | <0.02 | <0.1 | 21.3 | 0.5 | 28 | <0.1 | 22.1 | 19.8 | 341 | 3.13 | <0.5 | <0.5 |
| 10RAYJR068A01 | Rock | 0.64 | 3.50 | 0.65 | 2.07 | 0.32 | 2.16 | 0.37 | <0.02 | 0.03 | 0.2 | 17.6 | 4.3 | 43 | <0.1 | 3.5 | 6.3 | 325 | 2.46 | 1.4 | <0.5 |
| 10RAYJR044A01 | Rock | 0.64 | 3.42 | 0.76 | 2.17 | 0.34 | 2.14 | 0.37 | 0.02 | <0.02 | 0.3 | 24.8 | 1.5 | 53 | <0.1 | 7.4 | 17.6 | 549 | 3.11 | <0.5 | <0.5 |
| 10RAYJR092A01 | Rock | 0.70 | 3.72 | 0.61 | 1.97 | 0.30 | 2.05 | 0.27 | 0.03 | <0.02 | 0.2 | 1.3 | 9.0 | 38 | <0.1 | 16.8 | 5.5 | 363 | 1.89 | 2.5 | <0.5 |
| 11RAYAZ198A01 | Rock | 0.50 | 2.80 | 0.67 | 1.74 | 0.27 | 1.90 | 0.27 | <0.02 | 0.05 | 0.3 | 157.0 | 1.3 | 54 | <0.1 | 14.3 | 23.8 | 624 | 4.07 | <0.5 | <0.5 |
| 11RAYAZ207A01 | Rock | 0.69 | 3.88 | 0.86 | 2.63 | 0.39 | 2.56 | 0.42 | 0.13 | 0.03 | 0.3 | 1.4 | 1.4 | 19 | <0.1 | 1.2 | 2.6 | 242 | 0.91 | <0.5 | <0.5 |
| 11RAYAZ273A01 | Rock | 0.83 | 5.32 | 1.12 | 3.39 | 0.50 | 3.20 | 0.48 | <0.02 | <0.02 | 0.1 | 27.4 | 0.4 | 29 | <0.1 | 4.0 | 11.4 | 390 | 2.80 | <0.5 | <0.5 |
| 11RAYAZ275A01 | Rock | 0.75 | 3.69 | 0.73 | 2.04 | 0.34 | 2.09 | 0.32 | <0.02 | <0.02 | 0.2 | 3.6 | 3.6 | 78 | <0.1 | 5.7 | 8.4 | 944 | 3.52 | <0.5 | <0.5 |
| 11RAYAZ286A01 | Rock | 0.25 | 1.35 | 0.31 | 1.05 | 0.16 | 1.35 | 0.22 | <0.02 | <0.02 | 0.3 | 1.2 | 6.8 | 19 | <0.1 | 1.2 | 1.6 | 176 | 0.96 | 1.1 | <0.5 |
| 11RAYAZ289A01 | Rock | 0.97 | 5.83 | 1.18 | 3.39 | 0.51 | 3.52 | 0.51 | 0.03 | <0.02 | <0.1 | 40.0 | 0.6 | 23 | <0.1 | 14.3 | 11.1 | 323 | 1.72 | <0.5 | <0.5 |
| 11RAYAZ293A01 | Rock | 0.59 | 3.30 | 0.62 | 1.80 | 0.25 | 1.81 | 0.28 | <0.02 | <0.02 | 0.2 | 6.1 | 8.3 | 35 | <0.1 | 4.8 | 2.9 | 243 | 1.31 | 1.0 | <0.5 |
| 11RAYAZ370A01 | Rock | 0.29 | 1.71 | 0.36 | 1.03 | 0.18 | 1.19 | 0.17 | 0.09 | <0.02 | 0.5 | 19.5 | 6.2 | 49 | <0.1 | 22.1 | 4.3 | 126 | 1.82 | 7.3 | <0.5 |
| 11RAYAZ397A1-1 | Rock | 1.14 | 6.06 | 1.08 | 3.04 | 0.44 | 2.68 | 0.37 | 0.11 | 0.14 | 0.1 | 11.6 | 0.8 | 19 | <0.1 | 90.0 | 22.8 | 319 | 2.78 | 0.6 | <0.5 |
| 11RAYAZ397A1-2 | Rock | 1.27 | 6.76 | 1.30 | 3.40 | 0.46 | 3.12 | 0.46 | 0.10 | 0.05 | 0.1 | 4.0 | 0.7 | 12 | <0.1 | 60.7 | 17.4 | 345 | 2.90 | 0.5 | <0.5 |
| 11RAYAZ418A01 | Rock | 0.60 | 2.88 | 0.63 | 1.63 | 0.24 | 1.64 | 0.24 | 0.02 | <0.02 | <0.1 | 2.2 | 0.9 | 48 | <0.1 | 5.3 | 9.8 | 536 | 2.78 | 0.6 | <0.5 |
| 11RAYCR109A | Rock | 0.52 | 3.23 | 0.68 | 2.06 | 0.31 | 2.02 | 0.33 | 0.02 | 0.02 | 0.5 | 13.8 | 0.9 | 53 | <0.1 | 3.7 | 10.7 | 357 | 2.48 | 1.0 | <0.5 |
| 11RAYCR155A | Rock | 0.14 | 1.10 | 0.31 | 0.99 | 0.18 | 1.34 | 0.22 | 0.02 | <0.02 | 0.7 | 2.0 | 1.5 | 3 | <0.1 | 0.6 | 0.2 | 47 | 0.52 | 0.5 | <0.5 |
| 11RAYCR156A | Rock | 0.55 | 3.87 | 0.84 | 2.62 | 0.40 | 2.67 | 0.42 | <0.02 | 0.08 | <0.1 | 31.9 | 4.0 | 72 | <0.1 | 2.2 | 20.9 | 641 | 5.03 | <0.5 | <0.5 |
| 11RAYCR165B | Rock | 0.41 | 2.78 | 0.58 | 1.93 | 0.31 | 2.30 | 0.34 | <0.02 | <0.02 | <0.1 | 3.6 | 4.6 | 25 | <0.1 | 2.6 | 2.2 | 209 | 1.27 | <0.5 | <0.5 |
| 11RAYJC127A1 | Rock | 0.77 | 4.65 | 0.97 | 2.85 | 0.45 | 3.12 | 0.48 | 0.03 | <0.02 | 0.2 | 18.8 | 2.9 | 20 | <0.1 | 0.7 | 0.4 | 159 | 0.57 | 1.2 | <0.5 |
| 02RAY294A | Rock | 0.74 | 4.69 | 1.05 | 3.17 | 0.50 | 3.35 | 0.51 | 0.02 | <0.02 | 0.1 | 14.5 | 2.1 | 81 | <0.1 | 3.0 | 3.5 | 278 | 2.14 | 0.6 | <0.5 |
| 11RAYJR001A01 | Rock | 0.37 | 2.40 | 0.50 | 1.52 | 0.27 | 1.81 | 0.28 | 0.02 | <0.02 | 0.5 | 4.0 | 7.7 | 38 | <0.1 | 5.2 | 3.2 | 244 | 1.71 | 0.7 | <0.5 |
| 11RAYJR097B01 | Rock | 0.39 | 2.39 | 0.51 | 1.43 | 0.21 | 1.44 | 0.24 | 0.07 | <0.02 | 0.2 | 138.7 | 1.6 | 51 | <0.1 | 15.3 | 22.6 | 646 | 3.74 | <0.5 | 1.4 |
| 11RAYJR103A1 | Rock | 0.67 | 3.55 | 0.65 | 1.87 | 0.28 | 1.92 | 0.28 | 0.03 | 0.02 | 0.2 | 22.2 | 5.3 | 66 | <0.1 | 45.3 | 17.0 | 319 | 3.70 | 1.3 | 0.8 |
| 11RAYJR238A01 | Rock | 0.58 | 3.38 | 0.67 | 2.08 | 0.30 | 1.89 | 0.28 | <0.02 | <0.02 | 0.4 | 10.3 | 12.9 | 56 | <0.1 | 8.2 | 5.1 | 418 | 2.01 | 0.5 | <0.5 |
| 11RAYJR240A01 | Rock | 0.49 | 3.15 | 0.55 | 1.74 | 0.26 | 1.72 | 0.25 | <0.02 | <0.02 | 0.4 | 3.3 | 10.1 | 40 | <0.1 | 2.2 | 2.7 | 314 | 1.61 | <0.5 | <0.5 |
| 11RAYJR259A01 | Rock | 0.13 | 0.85 | 0.19 | 0.68 | 0.13 | 1.12 | 0.16 | <0.02 | <0.02 | 0.1 | 3.6 | 7.0 | 18 | <0.1 | 1.3 | 1.3 | 185 | 1.07 | 1.7 | <0.5 |
| 11RAYJR262A | Rock | 0.33 | 2.16 | 0.49 | 1.41 | 0.25 | 1.75 | 0.31 | <0.02 | <0.02 | 0.2 | 3.3 | 11.0 | 31 | <0.1 | 1.7 | 1.9 | 218 | 1.22 | 1.4 | <0.5 |
| 11RAYJR264A01 | Rock | 0.68 | 4.17 | 0.77 | 2.26 | 0.37 | 2.26 | 0.35 | <0.02 | <0.02 | 0.2 | 1.1 | 9.9 | 41 | <0.1 | 3.1 | 4.1 | 353 | 1.84 | <0.5 | <0.5 |



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Ottawa ON K1A 0E8 CANADA

Project: Cordillera

Report Date: March 17, 2015

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Part: 4 of 5

CERTIFICATE OF ANALYSIS

VAN15000428.1

| Method Analyte Unit MDL | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | |
|-------------------------|--------|--------|--------|--------|--------|-------|-------|-------|--------|--------|-------|--------|-------|-------|-------|-------|-------|-------|--------|--------|------|
| | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm | Hg ppm | Sc ppm | |
| 10RAYJR007A01 | Rock | 0.2 | 78 | <0.1 | <0.1 | <0.1 | 60 | 4.43 | 0.112 | <1 | 63 | 0.64 | 30 | 0.172 | <20 | 0.70 | 0.078 | 0.19 | <0.1 | <0.01 | 5.5 |
| 10RAYJR013A01 | Rock | <0.1 | 140 | <0.1 | <0.1 | <0.1 | 150 | 2.53 | 0.016 | <1 | 11 | 1.48 | 49 | 0.151 | <20 | 3.10 | 0.269 | 0.19 | <0.1 | <0.01 | 10.2 |
| 10RAYJR068A01 | Rock | 7.0 | 15 | <0.1 | 0.1 | <0.1 | 34 | 0.36 | 0.049 | 31 | 12 | 0.60 | 174 | 0.224 | <20 | 1.11 | 0.073 | 0.40 | 0.1 | <0.01 | 5.1 |
| 10RAYJR044A01 | Rock | 6.6 | 21 | <0.1 | <0.1 | <0.1 | 60 | 0.48 | 0.045 | 9 | 17 | 1.41 | 434 | 0.231 | <20 | 1.91 | 0.061 | 1.04 | <0.1 | <0.01 | 2.3 |
| 10RAYJR092A01 | Rock | 15.5 | 13 | <0.1 | 0.2 | <0.1 | 23 | 0.19 | 0.036 | 46 | 22 | 0.46 | 56 | 0.132 | <20 | 0.95 | 0.066 | 0.69 | <0.1 | <0.01 | 4.3 |
| 11RAYAZ198A01 | Rock | 0.3 | 52 | 0.1 | <0.1 | <0.1 | 147 | 1.87 | 0.048 | <1 | 23 | 1.60 | 991 | 0.287 | <20 | 4.55 | 0.400 | 1.58 | <0.1 | <0.01 | 9.2 |
| 11RAYAZ207A01 | Rock | 5.7 | 15 | <0.1 | <0.1 | <0.1 | 5 | 0.61 | 0.018 | 14 | 2 | 0.16 | 192 | 0.039 | <20 | 0.48 | 0.044 | 0.30 | <0.1 | <0.01 | 1.3 |
| 11RAYAZ273A01 | Rock | 0.2 | 7 | <0.1 | <0.1 | <0.1 | 116 | 1.12 | 0.088 | <1 | 7 | 0.64 | 61 | 0.123 | <20 | 1.03 | 0.222 | 0.10 | <0.1 | <0.01 | 9.6 |
| 11RAYAZ275A01 | Rock | 13.0 | 54 | <0.1 | <0.1 | <0.1 | 78 | 0.41 | 0.079 | 26 | 24 | 1.91 | 789 | 0.301 | <20 | 2.82 | 0.151 | 1.97 | 0.2 | <0.01 | 12.5 |
| 11RAYAZ286A01 | Rock | 23.9 | 3 | <0.1 | 0.1 | <0.1 | 3 | 0.07 | 0.017 | 21 | 3 | 0.13 | 34 | 0.020 | <20 | 0.41 | 0.038 | 0.30 | 0.2 | <0.01 | 0.8 |
| 11RAYAZ289A01 | Rock | <0.1 | 14 | <0.1 | <0.1 | <0.1 | 62 | 1.31 | 0.068 | <1 | 44 | 0.73 | 46 | 0.227 | <20 | 0.96 | 0.143 | 0.08 | <0.1 | <0.01 | 7.3 |
| 11RAYAZ293A01 | Rock | 25.3 | 14 | <0.1 | <0.1 | <0.1 | 7 | 0.18 | 0.019 | 48 | 9 | 0.26 | 35 | 0.084 | <20 | 0.62 | 0.050 | 0.40 | 0.2 | <0.01 | 0.8 |
| 11RAYAZ370A01 | Rock | 4.5 | 4 | <0.1 | 0.1 | <0.1 | 27 | 0.10 | 0.031 | 14 | 31 | 0.50 | 78 | 0.015 | <20 | 0.90 | 0.020 | 0.17 | <0.1 | <0.01 | 1.9 |
| 11RAYAZ397A1-1 | Rock | 0.9 | 139 | <0.1 | <0.1 | <0.1 | 69 | 2.73 | 0.256 | 15 | 127 | 1.33 | 312 | 0.266 | <20 | 2.84 | 0.258 | 0.38 | <0.1 | <0.01 | 6.7 |
| 11RAYAZ397A1-2 | Rock | 1.8 | 140 | <0.1 | <0.1 | <0.1 | 52 | 2.94 | 0.265 | 20 | 91 | 1.27 | 319 | 0.173 | <20 | 3.61 | 0.259 | 0.39 | <0.1 | <0.01 | 4.4 |
| 11RAYAZ418A01 | Rock | 2.4 | 37 | <0.1 | <0.1 | <0.1 | 66 | 0.85 | 0.134 | 12 | 13 | 0.95 | 271 | 0.205 | <20 | 1.42 | 0.126 | 0.83 | <0.1 | <0.01 | 4.5 |
| 11RAYCR109A | Rock | 2.6 | 11 | <0.1 | <0.1 | <0.1 | 52 | 0.69 | 0.040 | 5 | 5 | 0.75 | 184 | 0.175 | <20 | 1.43 | 0.065 | 0.22 | <0.1 | <0.01 | 4.7 |
| 11RAYCR155A | Rock | 15.5 | 2 | <0.1 | <0.1 | <0.1 | <2 | 0.04 | 0.001 | 1 | 3 | 0.02 | 16 | 0.002 | <20 | 0.25 | 0.024 | 0.28 | 0.1 | <0.01 | 0.3 |
| 11RAYCR156A | Rock | <0.1 | 45 | <0.1 | <0.1 | 0.2 | 71 | 0.43 | 0.025 | <1 | 2 | 2.31 | 52 | 0.206 | <20 | 2.77 | 0.024 | 0.49 | <0.1 | <0.01 | 5.2 |
| 11RAYCR165B | Rock | 21.5 | 8 | <0.1 | <0.1 | <0.1 | 5 | 0.13 | 0.015 | 12 | 6 | 0.18 | 27 | 0.049 | <20 | 0.54 | 0.043 | 0.31 | <0.1 | <0.01 | 0.8 |
| 11RAYJC127A1 | Rock | 24.9 | 2 | 0.1 | 0.2 | <0.1 | <2 | 0.05 | 0.002 | 29 | 2 | 0.04 | 36 | 0.002 | <20 | 0.29 | 0.024 | 0.31 | 0.2 | <0.01 | 0.4 |
| 02RAY294A | Rock | 0.3 | 5 | <0.1 | <0.1 | <0.1 | <2 | 0.24 | 0.032 | <1 | 2 | 0.42 | 292 | 0.103 | <20 | 1.13 | 0.025 | 0.48 | <0.1 | <0.01 | 2.4 |
| 11RAYJR001A01 | Rock | 14.2 | 5 | <0.1 | <0.1 | 0.4 | 16 | 0.12 | 0.036 | 13 | 15 | 0.46 | 54 | 0.101 | <20 | 0.95 | 0.056 | 0.59 | 0.1 | <0.01 | 4.7 |
| 11RAYJR097B01 | Rock | 0.5 | 52 | <0.1 | 0.1 | <0.1 | 126 | 2.50 | 0.037 | 2 | 29 | 2.20 | 62 | 0.071 | <20 | 4.96 | 0.386 | 0.04 | <0.1 | <0.01 | 10.9 |
| 11RAYJR103A1 | Rock | 11.4 | 23 | <0.1 | <0.1 | 0.1 | 69 | 0.31 | 0.046 | 27 | 96 | 1.31 | 302 | 0.162 | <20 | 2.53 | 0.118 | 1.18 | <0.1 | <0.01 | 9.7 |
| 11RAYJR238A01 | Rock | 18.3 | 3 | <0.1 | <0.1 | <0.1 | 25 | 0.11 | 0.033 | 31 | 16 | 0.69 | 67 | 0.143 | <20 | 1.21 | 0.050 | 0.86 | 0.4 | <0.01 | 4.3 |
| 11RAYJR240A01 | Rock | 26.6 | 4 | <0.1 | 0.3 | <0.1 | 10 | 0.07 | 0.011 | 41 | 6 | 0.30 | 43 | 0.052 | <20 | 0.73 | 0.049 | 0.32 | 0.1 | <0.01 | 2.3 |
| 11RAYJR259A01 | Rock | 31.1 | 8 | <0.1 | 0.2 | 0.9 | 3 | 0.10 | 0.015 | 6 | 3 | 0.19 | 44 | 0.033 | <20 | 0.47 | 0.042 | 0.31 | <0.1 | <0.01 | 1.0 |
| 11RAYJR262A | Rock | 21.3 | 12 | <0.1 | <0.1 | 0.1 | 3 | 0.19 | 0.013 | 26 | 3 | 0.17 | 62 | 0.054 | <20 | 0.61 | 0.043 | 0.29 | <0.1 | <0.01 | 0.9 |
| 11RAYJR264A01 | Rock | 19.9 | 8 | <0.1 | <0.1 | <0.1 | 19 | 0.20 | 0.033 | 38 | 9 | 0.41 | 45 | 0.146 | <20 | 0.93 | 0.072 | 0.65 | 0.3 | <0.01 | 4.6 |



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Ottawa ON K1A 0E8 CANADA

Project: Cordillera

Report Date: March 17, 2015

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CERTIFICATE OF ANALYSIS

VAN15000428.1

| Method Analyte | Unit | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 |
|-------------------|------|-------|-------|-------|-------|-------|
| | | Tl | S | Ga | Se | Te |
| MDL | | ppm | % | ppm | ppm | ppm |
| | | 0.1 | 0.05 | 1 | 0.5 | 0.2 |
| 10RAYJR007A01 | Rock | <0.1 | 0.10 | 2 | <0.5 | <0.2 |
| 10RAYJR013A01 | Rock | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 10RAYJR068A01 | Rock | 0.2 | <0.05 | 6 | <0.5 | <0.2 |
| 10RAYJR044A01 | Rock | 0.2 | <0.05 | 4 | <0.5 | <0.2 |
| 10RAYJR092A01 | Rock | 0.4 | <0.05 | 7 | <0.5 | <0.2 |
| 11RAYAZ198A01 | Rock | 0.3 | <0.05 | 9 | 0.6 | <0.2 |
| 11RAYAZ207A01 | Rock | 0.1 | <0.05 | 2 | <0.5 | <0.2 |
| 11RAYAZ273A01 | Rock | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 11RAYAZ275A01 | Rock | 0.4 | <0.05 | 10 | <0.5 | <0.2 |
| 11RAYAZ286A01 | Rock | 0.2 | <0.05 | 2 | <0.5 | <0.2 |
| 11RAYAZ289A01 | Rock | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| 11RAYAZ293A01 | Rock | 0.3 | <0.05 | 4 | <0.5 | <0.2 |
| 11RAYAZ370A01 | Rock | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| 11RAYAZ397A1-1 | Rock | <0.1 | 0.13 | 5 | <0.5 | <0.2 |
| 11RAYAZ397A1-2 | Rock | <0.1 | <0.05 | 6 | <0.5 | <0.2 |
| 11RAYAZ418A01 | Rock | 0.2 | <0.05 | 6 | <0.5 | <0.2 |
| 11RAYCR109A | Rock | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| 11RAYCR155A | Rock | <0.1 | <0.05 | 1 | <0.5 | <0.2 |
| 11RAYCR156A | Rock | 0.2 | 0.08 | 7 | <0.5 | <0.2 |
| 11RAYCR165B | Rock | 0.2 | <0.05 | 4 | <0.5 | <0.2 |
| 11RAYJC127A1 | Rock | <0.1 | <0.05 | 1 | <0.5 | <0.2 |
| 02RAY294A | Rock | 0.2 | <0.05 | 2 | <0.5 | <0.2 |
| 11RAYJR001A01 | Rock | 0.5 | <0.05 | 8 | <0.5 | <0.2 |
| 11RAYJR097B01 | Rock | <0.1 | <0.05 | 8 | <0.5 | <0.2 |
| 11RAYJR103A1 | Rock | 0.3 | <0.05 | 10 | <0.5 | <0.2 |
| 11RAYJR238A01 | Rock | 0.4 | <0.05 | 7 | <0.5 | <0.2 |
| 11RAYJR240A01 | Rock | 0.2 | <0.05 | 5 | <0.5 | <0.2 |
| 11RAYJR259A01 | Rock | 0.2 | <0.05 | 2 | <0.5 | <0.2 |
| 11RAYJR262A | Rock | 0.2 | <0.05 | 3 | <0.5 | <0.2 |
| 11RAYJR264A01 | Rock | 0.5 | <0.05 | 6 | <0.5 | <0.2 |



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Project: Cordillera

Report Date: March 17, 2015

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CERTIFICATE OF ANALYSIS

VAN15000428.1

| Method | WGHT | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 |
|----------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| Analyte | Wgt | SiO2 | Al2O3 | Fe2O3 | MgO | CaO | Na2O | K2O | TiO2 | P2O5 | MnO | Cr2O3 | Ni | Sc | LOI | Sum | Ba | Be | Co | Cs | |
| Unit | kg | % | % | % | % | % | % | % | % | % | % | % | ppm | ppm | % | % | ppm | ppm | ppm | ppm | |
| MDL | 0.01 | 0.01 | 0.01 | 0.04 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.002 | 20 | 1 | -5.1 | 0.01 | 1 | 1 | 0.2 | 0.1 | |
| 11RAYTD040A | Rock | 0.32 | 69.45 | 14.64 | 3.77 | 0.93 | 2.51 | 2.76 | 4.47 | 0.38 | 0.08 | 0.05 | 0.003 | <20 | 5 | 0.7 | 99.76 | 1462 | 6 | 5.4 | 2.1 |
| 11RAYWC135A | Rock | 0.23 | 76.53 | 12.17 | 1.45 | 0.24 | <0.01 | 0.18 | 8.30 | 0.08 | <0.01 | <0.01 | <0.002 | <20 | <1 | 1.0 | 99.94 | 236 | <1 | 0.7 | 1.6 |
| 11RAYWC279A01 | Rock | 0.26 | 73.56 | 13.31 | 2.67 | 0.40 | 0.94 | 2.88 | 5.09 | 0.32 | 0.05 | 0.04 | <0.002 | <20 | 6 | 0.5 | 99.78 | 1084 | <1 | 1.2 | 3.5 |
| 14RAY066 A | Rock | 0.38 | 64.01 | 15.21 | 6.27 | 2.15 | 5.59 | 2.47 | 2.00 | 0.49 | 0.11 | 0.11 | <0.002 | <20 | 17 | 1.3 | 99.76 | 949 | 1 | 12.3 | 1.3 |
| 14RAY068A | Rock | 0.37 | 70.30 | 15.48 | 2.21 | 0.58 | 1.87 | 2.94 | 5.17 | 0.40 | 0.11 | 0.04 | <0.002 | <20 | 4 | 0.7 | 99.81 | 700 | 9 | 1.8 | 12.3 |
| 14RAY081A | Rock | 0.30 | 74.19 | 14.74 | 1.18 | 0.13 | 0.72 | 3.29 | 4.97 | 0.05 | 0.05 | 0.02 | <0.002 | <20 | 3 | 0.6 | 99.95 | 185 | 8 | 0.4 | 20.4 |
| 14RAY084A | Rock | 0.32 | 50.75 | 14.42 | 8.06 | 5.23 | 7.43 | 3.30 | 2.64 | 0.79 | 0.17 | 0.11 | 0.025 | 77 | 14 | 6.8 | 99.72 | 631 | 2 | 28.6 | 2.1 |
| 09RAYJR132A1 | Rock | 0.52 | 68.54 | 15.33 | 3.75 | 0.99 | 3.91 | 3.98 | 1.56 | 0.40 | 0.09 | 0.08 | <0.002 | <20 | 8 | 1.2 | 99.83 | 740 | <1 | 5.6 | 0.3 |
| 11RAYAZ384A1 | Rock | 0.32 | 69.67 | 15.05 | 3.21 | 0.86 | 2.58 | 3.40 | 4.19 | 0.30 | 0.11 | 0.08 | <0.002 | <20 | 5 | 0.2 | 99.64 | 2193 | 1 | 4.2 | 3.4 |
| 11RAYAZ195A1 | Rock | 0.73 | 76.96 | 12.81 | 1.08 | 0.01 | 0.48 | 3.20 | 4.70 | 0.05 | <0.01 | <0.01 | <0.002 | <20 | 1 | 0.6 | 99.93 | 178 | 2 | 0.3 | 2.6 |
| 11RAYJR260A1 | Rock | 0.54 | 74.52 | 13.47 | 1.94 | 0.18 | 0.84 | 3.61 | 4.81 | 0.13 | 0.02 | 0.10 | <0.002 | <20 | 2 | 0.3 | 99.91 | 494 | 2 | 0.9 | 2.2 |
| 11RAYAZ284A1 | Rock | 0.46 | 74.93 | 13.39 | 1.43 | 0.07 | 0.68 | 3.44 | 5.22 | 0.07 | <0.01 | 0.03 | <0.002 | <20 | 1 | 0.7 | 99.94 | 343 | <1 | 0.5 | 2.6 |
| 11RAYAZ301A1 | Rock | 0.36 | 74.14 | 13.63 | 1.64 | 0.34 | 0.86 | 3.61 | 4.67 | 0.13 | 0.04 | 0.06 | <0.002 | <20 | 2 | 0.8 | 99.90 | 447 | 9 | 1.9 | 9.0 |
| 11RAYAZ282A1-1 | Rock | 0.19 | 73.62 | 13.80 | 2.02 | 0.28 | 1.13 | 3.31 | 4.99 | 0.18 | 0.04 | 0.05 | <0.002 | <20 | 2 | 0.4 | 99.82 | 1158 | <1 | 1.5 | 7.9 |
| 11RAYAZ282A1-2 | Rock | 0.22 | 73.03 | 14.30 | 1.99 | 0.27 | 1.21 | 3.44 | 5.12 | 0.17 | 0.04 | 0.05 | <0.002 | <20 | 2 | 0.2 | 99.82 | 1127 | 1 | 1.4 | 8.2 |
| 11RAYJR263A | Rock | 0.40 | 61.51 | 16.57 | 5.95 | 2.37 | 5.25 | 2.83 | 3.37 | 0.64 | 0.18 | 0.10 | <0.002 | <20 | 15 | 0.8 | 99.56 | 2546 | 2 | 10.3 | 2.6 |



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Project: Cordillera

Report Date: March 17, 2015

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CERTIFICATE OF ANALYSIS

VAN15000428.1

| Method | Analyte | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 |
|----------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Ga | Hf | Nb | Rb | Sn | Sr | Ta | Th | U | V | W | Zr | Y | La | Ce | Pr | Nd | Sm | Eu | Gd |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| MDL | | 0.5 | 0.1 | 0.1 | 0.1 | 1 | 0.5 | 0.1 | 0.2 | 0.1 | 8 | 0.5 | 0.1 | 0.1 | 0.1 | 0.02 | 0.3 | 0.05 | 0.02 | 0.05 | |
| 11RAYTD040A | Rock | 17.1 | 5.4 | 11.8 | 134.7 | 2 | 251.1 | 0.5 | 17.3 | 2.6 | 29 | <0.5 | 213.4 | 13.7 | 24.1 | 60.2 | 4.16 | 13.9 | 2.70 | 0.91 | 2.77 |
| 11RAYWC135A | Rock | 13.0 | 3.3 | 19.0 | 277.9 | 2 | 65.0 | 2.5 | 34.7 | 3.9 | <8 | 2.6 | 91.8 | 16.9 | 16.1 | 28.9 | 2.80 | 8.6 | 1.89 | 0.20 | 2.12 |
| 11RAYWC279A01 | Rock | 15.2 | 6.5 | 9.8 | 168.5 | 4 | 147.2 | 0.9 | 24.1 | 4.0 | 14 | 0.9 | 231.8 | 23.1 | 60.7 | 112.7 | 11.13 | 40.5 | 6.27 | 0.69 | 5.32 |
| 14RAY066 A | Rock | 13.8 | 3.3 | 6.7 | 61.3 | <1 | 369.9 | 0.5 | 7.4 | 1.1 | 123 | <0.5 | 118.8 | 15.0 | 15.9 | 32.8 | 3.50 | 13.8 | 2.73 | 0.71 | 2.82 |
| 14RAY068A | Rock | 22.2 | 5.0 | 12.7 | 303.1 | 10 | 295.5 | 1.3 | 23.9 | 10.6 | 18 | 0.9 | 176.3 | 11.8 | 49.9 | 100.0 | 9.86 | 35.0 | 5.67 | 0.94 | 4.13 |
| 14RAY081A | Rock | 17.8 | 1.3 | 17.4 | 295.7 | 13 | 62.6 | 2.5 | 6.2 | 3.2 | <8 | 2.3 | 28.1 | 19.0 | 10.4 | 21.1 | 2.14 | 7.5 | 2.21 | 0.32 | 2.49 |
| 14RAY084A | Rock | 16.7 | 5.3 | 17.6 | 93.6 | 2 | 294.2 | 1.0 | 16.1 | 4.0 | 116 | <0.5 | 208.4 | 21.0 | 44.2 | 80.4 | 8.42 | 31.3 | 5.15 | 1.01 | 4.51 |
| 09RAYJR132A1 | Rock | 15.0 | 4.3 | 7.6 | 38.8 | <1 | 338.3 | 0.5 | 2.8 | 0.9 | 42 | <0.5 | 181.0 | 17.7 | 16.4 | 33.4 | 3.41 | 14.5 | 2.91 | 0.96 | 2.96 |
| 11RAYAZ384A1 | Rock | 14.3 | 3.5 | 11.4 | 136.5 | 1 | 477.5 | 0.9 | 16.4 | 5.0 | 62 | 1.0 | 149.6 | 15.2 | 31.7 | 60.1 | 5.44 | 19.1 | 3.54 | 0.84 | 2.94 |
| 11RAYAZ195A1 | Rock | 13.4 | 3.6 | 37.7 | 267.5 | 2 | 37.9 | 3.7 | 29.0 | 18.3 | <8 | 4.3 | 78.3 | 13.3 | 5.6 | 9.4 | 0.96 | 3.6 | 0.72 | 0.12 | 1.00 |
| 11RAYJR260A1 | Rock | 12.8 | 3.3 | 17.1 | 174.1 | 1 | 77.3 | 1.1 | 35.0 | 3.1 | <8 | <0.5 | 103.0 | 11.1 | 17.4 | 45.9 | 2.89 | 9.7 | 2.07 | 0.19 | 1.94 |
| 11RAYAZ284A1 | Rock | 12.7 | 2.8 | 14.1 | 181.8 | 1 | 46.5 | 1.0 | 36.4 | 3.3 | <8 | <0.5 | 78.8 | 5.1 | 5.3 | 8.2 | 0.87 | 3.0 | 0.66 | 0.17 | 0.69 |
| 11RAYAZ301A1 | Rock | 14.7 | 3.4 | 26.5 | 372.8 | 2 | 138.8 | 3.4 | 29.4 | 10.8 | 16 | <0.5 | 88.8 | 11.6 | 14.1 | 28.7 | 2.70 | 9.7 | 1.79 | 0.30 | 1.49 |
| 11RAYAZ282A1-1 | Rock | 12.6 | 3.9 | 12.2 | 156.3 | <1 | 153.0 | 0.8 | 23.7 | 3.2 | 11 | <0.5 | 134.4 | 6.6 | 13.1 | 25.6 | 2.52 | 8.1 | 1.35 | 0.33 | 1.13 |
| 11RAYAZ282A1-2 | Rock | 13.1 | 3.5 | 12.1 | 160.0 | <1 | 169.6 | 0.8 | 26.0 | 2.9 | 13 | <0.5 | 128.5 | 7.4 | 17.6 | 39.5 | 3.09 | 10.0 | 1.84 | 0.43 | 1.37 |
| 11RAYJR263A | Rock | 15.1 | 3.8 | 8.4 | 117.8 | 2 | 508.2 | 0.5 | 13.0 | 2.7 | 130 | 1.0 | 136.9 | 19.0 | 32.0 | 62.0 | 6.25 | 24.1 | 4.45 | 0.94 | 3.93 |



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Project: Cordillera

Report Date: March 17, 2015

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Part: 3 of 5

CERTIFICATE OF ANALYSIS

VAN15000428.1

| Method | Analyte | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | TC000 | TC000 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 |
|----------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Tb | Dy | Ho | Er | Tm | Yb | Lu | TOT/C | TOT/S | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au |
| Unit | MDL | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb |
| 11RAYTD040A | Rock | 0.43 | 2.47 | 0.54 | 1.49 | 0.24 | 1.47 | 0.21 | <0.02 | <0.02 | 0.5 | 6.0 | 6.0 | 58 | <0.1 | 9.5 | 5.9 | 363 | 2.18 | <0.5 | <0.5 |
| 11RAYWC135A | Rock | 0.39 | 2.47 | 0.56 | 1.66 | 0.28 | 2.17 | 0.32 | <0.02 | <0.02 | <0.1 | 1.3 | 2.5 | 6 | <0.1 | 0.9 | 0.4 | 55 | 0.42 | 4.0 | <0.5 |
| 11RAYWC279A01 | Rock | 0.76 | 4.37 | 0.92 | 2.46 | 0.39 | 2.52 | 0.37 | <0.02 | <0.02 | 0.2 | 5.3 | 9.6 | 27 | <0.1 | 3.1 | 1.4 | 326 | 1.83 | 1.4 | <0.5 |
| 14RAY066 A | Rock | 0.46 | 3.00 | 0.61 | 1.71 | 0.27 | 1.81 | 0.29 | <0.02 | <0.02 | 0.8 | 9.9 | 1.5 | 44 | <0.1 | 2.9 | 8.2 | 328 | 2.29 | <0.5 | <0.5 |
| 14RAY068A | Rock | 0.49 | 2.48 | 0.41 | 1.03 | 0.15 | 0.97 | 0.15 | <0.02 | <0.02 | 0.1 | 1.0 | 7.2 | 61 | <0.1 | 1.1 | 1.8 | 261 | 1.54 | <0.5 | <0.5 |
| 14RAY081A | Rock | 0.56 | 3.53 | 0.61 | 1.69 | 0.22 | 1.15 | 0.17 | <0.02 | <0.02 | <0.1 | 0.6 | 2.9 | 19 | <0.1 | 0.7 | 0.4 | 124 | 0.58 | <0.5 | <0.5 |
| 14RAY084A | Rock | 0.65 | 3.85 | 0.77 | 2.13 | 0.32 | 2.32 | 0.36 | 1.29 | <0.02 | 0.1 | 32.5 | 6.2 | 84 | <0.1 | 74.1 | 27.6 | 760 | 4.68 | <0.5 | <0.5 |
| 09RAYJR132A1 | Rock | 0.50 | 2.98 | 0.61 | 2.09 | 0.30 | 1.89 | 0.33 | <0.02 | <0.02 | <0.1 | 1.4 | 2.6 | 35 | <0.1 | 1.4 | 4.7 | 370 | 1.77 | <0.5 | <0.5 |
| 11RAYAZ384A1 | Rock | 0.44 | 2.49 | 0.54 | 1.61 | 0.27 | 1.64 | 0.29 | <0.02 | <0.02 | 0.8 | 8.7 | 6.0 | 39 | <0.1 | 3.0 | 4.1 | 483 | 1.95 | 0.6 | <0.5 |
| 11RAYAZ195A1 | Rock | 0.23 | 1.64 | 0.42 | 1.55 | 0.28 | 2.16 | 0.37 | <0.02 | <0.02 | 0.5 | 19.7 | 158.0 | 36 | 4.9 | 0.7 | 0.2 | 72 | 0.62 | 5.6 | <0.5 |
| 11RAYJR260A1 | Rock | 0.31 | 1.90 | 0.35 | 1.17 | 0.20 | 1.48 | 0.24 | <0.02 | <0.02 | 0.1 | 1.5 | 11.6 | 36 | <0.1 | 1.0 | 1.0 | 755 | 1.27 | 0.6 | <0.5 |
| 11RAYAZ284A1 | Rock | 0.12 | 0.92 | 0.18 | 0.56 | 0.09 | 0.82 | 0.14 | 0.02 | <0.02 | 0.2 | 1.0 | 4.7 | 17 | <0.1 | 1.1 | 0.7 | 217 | 0.84 | 0.5 | <0.5 |
| 11RAYAZ301A1 | Rock | 0.25 | 1.57 | 0.37 | 1.30 | 0.25 | 1.93 | 0.34 | <0.02 | <0.02 | 0.1 | 1.5 | 16.1 | 23 | <0.1 | 2.3 | 1.8 | 439 | 1.02 | 0.9 | <0.5 |
| 11RAYAZ282A1-1 | Rock | 0.18 | 1.14 | 0.23 | 0.71 | 0.12 | 1.01 | 0.14 | <0.02 | <0.02 | 0.4 | 1.8 | 4.3 | 34 | <0.1 | 1.3 | 1.6 | 398 | 1.41 | <0.5 | <0.5 |
| 11RAYAZ282A1-2 | Rock | 0.21 | 1.24 | 0.24 | 0.76 | 0.12 | 0.98 | 0.17 | <0.02 | <0.02 | 0.3 | 1.6 | 4.1 | 30 | <0.1 | 1.3 | 1.6 | 391 | 1.43 | 0.6 | <0.5 |
| 11RAYJR263A | Rock | 0.57 | 3.46 | 0.68 | 2.11 | 0.31 | 2.02 | 0.34 | <0.02 | <0.02 | 0.7 | 10.4 | 4.4 | 31 | <0.1 | 2.6 | 9.3 | 346 | 2.90 | 0.9 | <0.5 |



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Project: Cordillera

Report Date: March 17, 2015

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Part: 4 of 5

CERTIFICATE OF ANALYSIS

VAN15000428.1

| Method | Analyte | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 |
|----------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Th | Sr | Cd | Sb | Bi | V | Ca | P | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | ppm | % | ppm | ppm | % | % | % | ppm | ppm | ppm | ppm | |
| MDL | | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | 1 | 0.01 | 1 | 0.001 | 20 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | |
| 11RAYTD040A | Rock | 15.8 | 20 | <0.1 | <0.1 | <0.1 | 16 | 0.25 | 0.042 | 21 | 16 | 0.52 | 102 | 0.147 | <20 | 1.19 | 0.053 | 0.83 | <0.1 | <0.01 | 1.2 | |
| 11RAYWC135A | Rock | 36.2 | 3 | <0.1 | 0.2 | <0.1 | <2 | 0.03 | 0.003 | 19 | 3 | 0.01 | 11 | 0.002 | <20 | 0.30 | 0.006 | 0.29 | 0.2 | 0.01 | 0.4 | |
| 11RAYWC279A01 | Rock | 21.6 | 7 | 0.2 | 0.3 | 0.1 | 11 | 0.16 | 0.025 | 40 | 6 | 0.22 | 49 | 0.045 | <20 | 0.73 | 0.055 | 0.22 | <0.1 | <0.01 | 3.9 | |
| 14RAY066 A | Rock | 7.4 | 39 | <0.1 | 0.2 | <0.1 | 54 | 0.67 | 0.052 | 10 | 10 | 0.57 | 310 | 0.154 | <20 | 1.31 | 0.058 | 0.50 | <0.1 | <0.01 | 4.1 | |
| 14RAY068A | Rock | 17.4 | 10 | <0.1 | <0.1 | 2.0 | 12 | 0.19 | 0.051 | 36 | 4 | 0.31 | 70 | 0.117 | <20 | 0.91 | 0.069 | 0.60 | <0.1 | <0.01 | 2.2 | |
| 14RAY081A | Rock | 5.3 | 2 | <0.1 | <0.1 | 0.8 | <2 | 0.06 | 0.012 | 8 | 2 | 0.04 | 14 | 0.012 | <20 | 0.38 | 0.041 | 0.25 | 0.1 | <0.01 | 0.7 | |
| 14RAY084A | Rock | 7.8 | 100 | 0.1 | <0.1 | <0.1 | 91 | 4.07 | 0.081 | 21 | 142 | 2.90 | 272 | 0.170 | <20 | 3.16 | 0.031 | 1.05 | <0.1 | <0.01 | 7.5 | |
| 09RAYJR132A1 | Rock | 3.5 | 40 | <0.1 | <0.1 | <0.1 | 22 | 0.57 | 0.047 | 11 | 4 | 0.42 | 134 | 0.139 | <20 | 0.97 | 0.054 | 0.23 | <0.1 | <0.01 | 3.3 | |
| 11RAYAZ384A1 | Rock | 16.3 | 21 | <0.1 | <0.1 | <0.1 | 32 | 0.34 | 0.053 | 29 | 8 | 0.43 | 245 | 0.147 | <20 | 0.72 | 0.093 | 0.34 | 0.3 | <0.01 | 2.6 | |
| 11RAYAZ195A1 | Rock | 26.9 | 2 | <0.1 | 15.6 | 2.1 | <2 | 0.04 | 0.003 | 3 | 3 | <0.01 | 14 | 0.002 | <20 | 0.21 | 0.046 | 0.10 | 0.5 | <0.01 | 1.4 | |
| 11RAYJR260A1 | Rock | 39.9 | 3 | <0.1 | <0.1 | 0.1 | 5 | 0.11 | 0.013 | 17 | 2 | 0.11 | 36 | 0.060 | <20 | 0.50 | 0.066 | 0.20 | <0.1 | <0.01 | 2.1 | |
| 11RAYAZ284A1 | Rock | 39.9 | 2 | <0.1 | 0.1 | <0.1 | <2 | 0.05 | 0.004 | 4 | 3 | 0.04 | 19 | 0.014 | <20 | 0.30 | 0.050 | 0.13 | <0.1 | <0.01 | 1.5 | |
| 11RAYAZ301A1 | Rock | 26.9 | 6 | <0.1 | <0.1 | 0.3 | 11 | 0.12 | 0.018 | 12 | 5 | 0.18 | 33 | 0.033 | <20 | 0.40 | 0.057 | 0.13 | 0.1 | <0.01 | 2.1 | |
| 11RAYAZ282A1-1 | Rock | 26.5 | 5 | <0.1 | <0.1 | <0.1 | 9 | 0.10 | 0.020 | 14 | 4 | 0.18 | 123 | 0.071 | <20 | 0.55 | 0.060 | 0.39 | <0.1 | <0.01 | 1.9 | |
| 11RAYAZ282A1-2 | Rock | 27.8 | 6 | <0.1 | <0.1 | <0.1 | 9 | 0.10 | 0.021 | 19 | 4 | 0.17 | 129 | 0.069 | <20 | 0.55 | 0.069 | 0.39 | <0.1 | <0.01 | 1.9 | |
| 11RAYJR263A | Rock | 14.8 | 50 | <0.1 | <0.1 | <0.1 | 84 | 0.75 | 0.079 | 17 | 10 | 0.78 | 281 | 0.200 | <20 | 1.46 | 0.161 | 0.38 | 0.3 | <0.01 | 3.4 | |



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Project: Cordillera

Report Date: March 17, 2015

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Part: 5 of 5

CERTIFICATE OF ANALYSIS

VAN15000428.1

| Method | Analyte | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 |
|----------------|---------|-------|-------|-------|-------|-------|
| | | Tl | S | Ga | Se | Te |
| Unit | | ppm | % | ppm | ppm | ppm |
| MDL | | 0.1 | 0.05 | 1 | 0.5 | 0.2 |
| 11RAYTD040A | Rock | 0.4 | <0.05 | 5 | <0.5 | <0.2 |
| 11RAYWC135A | Rock | <0.1 | <0.05 | 1 | <0.5 | <0.2 |
| 11RAYWC279A01 | Rock | 0.2 | <0.05 | 5 | <0.5 | <0.2 |
| 14RAY066 A | Rock | 0.1 | <0.05 | 3 | <0.5 | <0.2 |
| 14RAY068A | Rock | 0.7 | <0.05 | 7 | <0.5 | <0.2 |
| 14RAY081A | Rock | 0.3 | <0.05 | 2 | <0.5 | <0.2 |
| 14RAY084A | Rock | 0.2 | <0.05 | 11 | <0.5 | <0.2 |
| 09RAYJR132A1 | Rock | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| 11RAYAZ384A1 | Rock | 0.3 | <0.05 | 4 | <0.5 | <0.2 |
| 11RAYAZ195A1 | Rock | <0.1 | <0.05 | 1 | <0.5 | <0.2 |
| 11RAYJR260A1 | Rock | 0.2 | <0.05 | 3 | <0.5 | <0.2 |
| 11RAYAZ284A1 | Rock | 0.1 | <0.05 | 2 | <0.5 | <0.2 |
| 11RAYAZ301A1 | Rock | 0.1 | <0.05 | 2 | <0.5 | <0.2 |
| 11RAYAZ282A1-1 | Rock | 0.4 | <0.05 | 3 | <0.5 | <0.2 |
| 11RAYAZ282A1-2 | Rock | 0.4 | <0.05 | 3 | <0.5 | <0.2 |
| 11RAYJR263A | Rock | 0.3 | <0.05 | 5 | <0.5 | <0.2 |



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Project: Cordillera
Report Date: March 17, 2015

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Part: 1 of 5

QUALITY CONTROL REPORT

VAN15000428.1

| Method | WGHT | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 |
|-------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| Analyte | Wgt | SiO2 | Al2O3 | Fe2O3 | MgO | CaO | Na2O | K2O | TiO2 | P2O5 | MnO | Cr2O3 | Ni | Sc | LOI | Sum | Ba | Be | Co | Cs | |
| Unit | kg | % | % | % | % | % | % | % | % | % | % | % | ppm | ppm | % | % | ppm | ppm | ppm | ppm | |
| MDL | 0.01 | 0.01 | 0.01 | 0.04 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.002 | 20 | 1 | -5.1 | 0.01 | 1 | 1 | 0.2 | 0.1 | |
| 00GGA224A | Rock | 0.27 | 70.13 | 15.46 | 1.68 | 0.05 | 0.11 | 4.49 | 7.26 | 0.09 | 0.01 | 0.03 | <0.002 | <20 | <1 | 0.4 | 99.71 | 1645 | 2 | 2.0 | 1.1 |
| 02RAY302A1 | Rock | 0.46 | 57.29 | 16.54 | 7.71 | 3.87 | 7.60 | 2.24 | 1.77 | 0.72 | 0.14 | 0.12 | 0.008 | 20 | 24 | 1.7 | 99.75 | 778 | 3 | 20.8 | 0.6 |
| 09RAYJR177A1 | Rock | 0.42 | 75.71 | 12.89 | 2.63 | 0.57 | 0.49 | 3.02 | 2.35 | 0.24 | 0.05 | 0.02 | <0.002 | <20 | 6 | 1.7 | 99.65 | 2834 | <1 | 2.1 | 0.6 |
| 11RAYJR103A1 | Rock | 0.27 | 69.09 | 13.69 | 6.06 | 2.34 | 2.57 | 2.09 | 1.85 | 0.73 | 0.10 | 0.07 | 0.014 | 48 | 12 | 1.2 | 99.81 | 442 | <1 | 15.2 | 1.3 |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | | | | |
| REP ROCK-VAN | QC | | 70.00 | 13.94 | 2.95 | 0.80 | 2.32 | 4.35 | 2.12 | 0.33 | 0.08 | 0.08 | <0.002 | <20 | 6 | 2.8 | 99.82 | 881 | <1 | 3.4 | 0.2 |
| 00GGA065A | Rock | 0.36 | 75.47 | 12.03 | 1.59 | 1.29 | 0.36 | 2.04 | 4.70 | 0.07 | <0.01 | 0.02 | <0.002 | <20 | 5 | 2.1 | 99.63 | 2706 | 2 | 0.7 | 0.1 |
| REP 00GGA065A | QC | | | | | | | | | | | | | | | | | | | | |
| 00RAY073A | Rock | 0.52 | 74.97 | 12.98 | 1.88 | 0.23 | 0.99 | 2.79 | 5.17 | 0.18 | 0.02 | 0.03 | <0.002 | <20 | 4 | 0.5 | 99.75 | 1667 | 4 | 1.6 | 5.0 |
| REP 00RAY073A | QC | | 74.70 | 12.89 | 2.22 | 0.23 | 0.98 | 2.78 | 5.21 | 0.18 | 0.02 | 0.03 | <0.002 | <20 | 4 | 0.5 | 99.78 | 1523 | 3 | 1.2 | 4.5 |
| 00RAY158A | Rock | 0.35 | 65.59 | 12.90 | 8.05 | 2.62 | 5.77 | 1.33 | 1.32 | 0.85 | 0.21 | 0.13 | 0.011 | <20 | 26 | 0.9 | 99.70 | 1552 | <1 | 9.5 | 1.5 |
| REP 00RAY158A | QC | | | | | | | | | | | | | | | | | | | | |
| 00RAY274A | Rock | 0.20 | 77.56 | 12.73 | 1.43 | 0.02 | 0.31 | 3.35 | 4.46 | 0.05 | 0.01 | 0.02 | <0.002 | <20 | 8 | 0.0 | 99.95 | 131 | 8 | <0.2 | 4.4 |
| REP 00RAY274A | QC | | | | | | | | | | | | | | | | | | | | |
| 02RAYG117A1 | Rock | 0.40 | 66.46 | 16.61 | 3.72 | 0.89 | 3.36 | 4.52 | 2.55 | 0.41 | 0.17 | 0.04 | <0.002 | <20 | 3 | 1.0 | 99.69 | 1393 | 2 | 6.1 | 0.7 |
| REP 02RAYG117A1 | QC | | 66.28 | 16.75 | 3.58 | 0.91 | 3.43 | 4.56 | 2.60 | 0.42 | 0.17 | 0.04 | <0.002 | <20 | 3 | 1.0 | 99.70 | 1367 | 2 | 5.0 | 0.8 |
| 03GGA264A1 | Rock | 0.20 | 67.24 | 15.01 | 4.79 | 1.58 | 1.66 | 5.63 | 1.64 | 0.66 | 0.20 | 0.08 | <0.002 | <20 | 14 | 1.3 | 99.77 | 1036 | <1 | 6.2 | 0.5 |
| REP 03GGA264A1 | QC | | | | | | | | | | | | | | | | | | | | |
| 09RAYJC018B | Rock | 0.40 | 62.07 | 17.42 | 5.35 | 1.83 | 4.77 | 4.64 | 2.41 | 0.49 | 0.23 | 0.12 | <0.002 | <20 | 9 | 0.3 | 99.61 | 1716 | 3 | 7.6 | 0.4 |
| REP 09RAYJC018B | QC | | | | | | | | | | | | | | | | | | | | |
| 09RAYMC101A1 | Rock | 0.82 | 67.69 | 15.52 | 4.57 | 1.05 | 3.95 | 3.73 | 2.08 | 0.41 | 0.09 | 0.10 | <0.002 | <20 | 12 | 0.6 | 99.79 | 964 | <1 | 6.6 | 1.5 |
| REP 09RAYMC101A1 | QC | | 67.51 | 15.54 | 4.77 | 1.03 | 3.94 | 3.72 | 2.09 | 0.41 | 0.09 | 0.10 | <0.002 | <20 | 12 | 0.6 | 99.79 | 1010 | 2 | 6.7 | 1.4 |
| 09RAYMK068A1 | Rock | 0.36 | 47.39 | 15.97 | 12.02 | 6.52 | 11.08 | 2.33 | 1.68 | 1.05 | 0.24 | 0.18 | 0.009 | 28 | 42 | 1.2 | 99.66 | 700 | 3 | 41.0 | 0.8 |
| REP 09RAYMK068A1 | QC | | | | | | | | | | | | | | | | | | | | |
| 11RAYAZ275A01 | Rock | 0.47 | 60.50 | 18.13 | 5.24 | 3.38 | 4.05 | 3.12 | 3.19 | 0.56 | 0.17 | 0.13 | 0.005 | <20 | 13 | 1.0 | 99.48 | 2721 | <1 | 7.2 | 1.9 |
| REP 11RAYAZ275A01 | QC | | | | | | | | | | | | | | | | | | | | |
| 11RAYTD040A | Rock | 0.32 | 69.45 | 14.64 | 3.77 | 0.93 | 2.51 | 2.76 | 4.47 | 0.38 | 0.08 | 0.05 | 0.003 | <20 | 5 | 0.7 | 99.76 | 1462 | 6 | 5.4 | 2.1 |
| REP 11RAYTD040A | QC | | 69.69 | 14.57 | 3.62 | 0.95 | 2.53 | 2.75 | 4.43 | 0.37 | 0.08 | 0.05 | 0.003 | <20 | 5 | 0.7 | 99.75 | 1373 | 2 | 5.2 | 1.9 |
| 14RAY068A | Rock | 0.37 | 70.30 | 15.48 | 2.21 | 0.58 | 1.87 | 2.94 | 5.17 | 0.40 | 0.11 | 0.04 | <0.002 | <20 | 4 | 0.7 | 99.81 | 700 | 9 | 1.8 | 12.3 |



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Project: Cordillera
Report Date: March 17, 2015

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QUALITY CONTROL REPORT

VAN15000428.1

| Method | Analyte | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 |
|-------------------|---------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Ga | Hf | Nb | Rb | Sn | Sr | Ta | Th | U | V | W | Zr | Y | La | Ce | Pr | Nd | Sm | Eu | Gd |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| MDL | | 0.5 | 0.1 | 0.1 | 0.1 | 1 | 0.5 | 0.1 | 0.2 | 0.1 | 8 | 0.5 | 0.1 | 0.1 | 0.1 | 0.1 | 0.02 | 0.3 | 0.05 | 0.02 | 0.05 |
| 00GGA224A | Rock | 20.7 | 3.8 | 5.7 | 113.4 | <1 | 686.4 | 0.2 | 5.7 | 2.3 | 36 | <0.5 | 136.5 | 6.9 | 9.1 | 18.5 | 1.57 | 5.4 | 0.93 | 0.16 | 0.95 |
| 02RAY302A1 | Rock | 16.5 | 1.8 | 4.2 | 54.0 | 1 | 318.7 | 0.4 | 3.8 | 1.3 | 200 | 1.3 | 72.7 | 13.0 | 13.5 | 25.2 | 2.86 | 12.0 | 2.25 | 0.83 | 2.50 |
| 09RAYJR177A1 | Rock | 13.2 | 3.5 | 6.6 | 63.6 | 1 | 49.0 | 0.5 | 9.6 | 2.5 | 20 | 0.5 | 129.1 | 17.0 | 17.0 | 36.0 | 4.01 | 14.0 | 2.70 | 0.44 | 2.76 |
| 11RAYJR103A1 | Rock | 16.2 | 5.3 | 12.3 | 60.2 | <1 | 262.1 | 0.5 | 13.8 | 2.0 | 80 | 0.6 | 210.4 | 18.4 | 38.3 | 81.8 | 8.13 | 31.1 | 5.40 | 1.30 | 4.73 |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | | | | |
| REP ROCK-VAN | QC | 12.4 | 3.1 | 5.5 | 42.5 | <1 | 251.4 | 0.4 | 3.3 | 1.1 | 43 | 0.8 | 131.4 | 18.0 | 15.2 | 28.1 | 2.94 | 12.1 | 2.44 | 0.71 | 2.64 |
| 00GGA065A | Rock | 16.4 | 3.6 | 10.7 | 119.7 | 3 | 80.6 | 0.5 | 15.3 | 3.8 | 13 | 0.9 | 96.4 | 28.2 | 29.3 | 58.7 | 7.29 | 26.5 | 6.28 | 0.81 | 6.01 |
| REP 00GGA065A | | | | | | | | | | | | | | | | | | | | | |
| 00RAY073A | Rock | 13.9 | 4.2 | 6.6 | 154.2 | 1 | 126.8 | 0.5 | 14.6 | 2.7 | <8 | <0.5 | 133.4 | 16.6 | 39.4 | 77.1 | 8.36 | 32.6 | 5.02 | 0.40 | 4.21 |
| REP 00RAY073A | QC | 13.5 | 3.7 | 6.9 | 147.8 | 1 | 117.1 | 0.4 | 14.1 | 2.8 | <8 | <0.5 | 129.9 | 16.5 | 41.8 | 79.9 | 8.06 | 30.0 | 5.14 | 0.42 | 4.19 |
| 00RAY158A | Rock | 14.6 | 1.9 | 6.8 | 47.4 | <1 | 281.4 | 0.4 | 2.3 | 1.7 | 117 | <0.5 | 82.1 | 22.1 | 13.2 | 28.8 | 3.75 | 16.4 | 4.18 | 0.79 | 4.38 |
| REP 00RAY158A | | | | | | | | | | | | | | | | | | | | | |
| 00RAY274A | Rock | 19.3 | 4.1 | 19.8 | 286.6 | 8 | 17.2 | 2.3 | 24.6 | 8.7 | <8 | 3.0 | 78.7 | 29.2 | 5.7 | 72.3 | 2.19 | 9.2 | 3.24 | 0.03 | 3.56 |
| REP 00RAY274A | | | | | | | | | | | | | | | | | | | | | |
| 02RAYG117A1 | Rock | 20.9 | 3.7 | 9.0 | 60.3 | <1 | 830.2 | 1.3 | 3.0 | 0.8 | 54 | <0.5 | 120.3 | 3.3 | 12.6 | 29.7 | 2.82 | 11.1 | 1.99 | 0.58 | 1.56 |
| REP 02RAYG117A1 | QC | 20.0 | 3.4 | 9.1 | 61.5 | <1 | 872.4 | 0.6 | 3.0 | 0.9 | 57 | <0.5 | 119.5 | 2.8 | 14.2 | 29.7 | 3.03 | 11.6 | 2.27 | 0.59 | 1.59 |
| 03GGA264A1 | Rock | 13.6 | 3.7 | 7.1 | 27.9 | <1 | 388.8 | 2.0 | 4.7 | 2.2 | 74 | <0.5 | 130.3 | 22.5 | 17.1 | 37.7 | 4.43 | 18.9 | 3.76 | 1.02 | 3.74 |
| REP 03GGA264A1 | | | | | | | | | | | | | | | | | | | | | |
| 09RAYJC018B | Rock | 18.1 | 3.1 | 7.1 | 45.1 | <1 | 1004.4 | 0.5 | 2.9 | 0.6 | 106 | <0.5 | 115.4 | 16.9 | 16.8 | 36.6 | 4.19 | 15.9 | 3.09 | 0.92 | 3.19 |
| REP 09RAYJC018B | | | | | | | | | | | | | | | | | | | | | |
| 09RAYMC101A1 | Rock | 15.9 | 5.3 | 10.6 | 56.3 | <1 | 287.7 | 0.6 | 7.1 | 0.8 | 46 | <0.5 | 188.7 | 27.2 | 25.2 | 55.2 | 5.92 | 21.9 | 4.63 | 1.11 | 4.73 |
| REP 09RAYMC101A1 | QC | 16.1 | 5.0 | 11.3 | 57.3 | <1 | 287.8 | 0.7 | 7.4 | 1.0 | 45 | <0.5 | 202.4 | 28.5 | 25.8 | 55.6 | 6.04 | 21.8 | 5.08 | 1.10 | 4.88 |
| 09RAYMK068A1 | Rock | 16.2 | 1.3 | 1.6 | 43.0 | <1 | 574.4 | 0.1 | 1.2 | 0.4 | 372 | <0.5 | 36.6 | 15.0 | 7.7 | 16.2 | 2.21 | 11.5 | 3.06 | 1.03 | 3.19 |
| REP 09RAYMK068A1 | | | | | | | | | | | | | | | | | | | | | |
| 11RAYAZ275A01 | Rock | 16.0 | 4.6 | 8.3 | 101.5 | 1 | 829.5 | 0.6 | 16.8 | 3.7 | 84 | 0.7 | 186.4 | 20.4 | 43.5 | 82.2 | 9.27 | 35.1 | 6.03 | 1.68 | 5.30 |
| REP 11RAYAZ275A01 | | | | | | | | | | | | | | | | | | | | | |
| 11RAYTD040A | Rock | 17.1 | 5.4 | 11.8 | 134.7 | 2 | 251.1 | 0.5 | 17.3 | 2.6 | 29 | <0.5 | 213.4 | 13.7 | 24.1 | 60.2 | 4.16 | 13.9 | 2.70 | 0.91 | 2.77 |
| REP 11RAYTD040A | QC | 17.7 | 5.6 | 12.3 | 135.0 | 1 | 249.0 | 0.6 | 16.6 | 2.3 | 33 | <0.5 | 223.5 | 15.4 | 24.0 | 60.5 | 4.23 | 15.4 | 2.65 | 0.83 | 2.51 |
| 14RAY068A | Rock | 22.2 | 5.0 | 12.7 | 303.1 | 10 | 295.5 | 1.3 | 23.9 | 10.6 | 18 | 0.9 | 176.3 | 11.8 | 49.9 | 100.0 | 9.86 | 35.0 | 5.67 | 0.94 | 4.13 |



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Project: Cordillera
Report Date: March 17, 2015

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QUALITY CONTROL REPORT

VAN15000428.1

| Method | Analyte | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | TC000 | TC000 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | |
|-------------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| | | Tb | Dy | Ho | Er | Tm | Yb | Lu | TOT/C | TOT/S | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | |
| MDL | | 0.01 | 0.05 | 0.02 | 0.03 | 0.01 | 0.05 | 0.01 | 0.02 | 0.01 | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 | |
| 00GGA224A | Rock | 0.15 | 1.00 | 0.20 | 0.74 | 0.12 | 0.89 | 0.15 | <0.02 | <0.02 | 0.1 | 1.3 | 7.7 | 20 | <0.1 | 1.9 | 1.9 | 219 | 0.72 | 1.2 | 0.6 |
| 02RAY302A1 | Rock | 0.41 | 2.10 | 0.45 | 1.53 | 0.23 | 1.32 | 0.20 | 0.02 | <0.02 | 0.1 | 24.3 | 0.8 | 30 | <0.1 | 8.9 | 8.9 | 315 | 1.91 | <0.5 | <0.5 |
| 09RAYJR177A1 | Rock | 0.49 | 3.02 | 0.58 | 1.84 | 0.26 | 1.65 | 0.22 | 0.02 | 0.05 | 0.7 | 9.0 | 2.5 | 9 | <0.1 | 1.7 | 2.0 | 97 | 1.06 | <0.5 | <0.5 |
| 11RAYJR103A1 | Rock | 0.67 | 3.55 | 0.65 | 1.87 | 0.28 | 1.92 | 0.28 | 0.03 | 0.02 | 0.2 | 22.2 | 5.3 | 66 | <0.1 | 45.3 | 17.0 | 319 | 3.70 | 1.3 | 0.8 |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | | | | |
| REP ROCK-VAN | QC | 0.43 | 2.67 | 0.59 | 1.72 | 0.30 | 2.18 | 0.38 | | | | | | | | | | | | | |
| 00GGA065A | Rock | 0.93 | 5.24 | 1.03 | 3.12 | 0.42 | 2.78 | 0.40 | 0.13 | 0.46 | 0.9 | 0.9 | 4.8 | 9 | <0.1 | 0.5 | 0.4 | 93 | 0.77 | <0.5 | <0.5 |
| REP 00GGA065A | QC | | | | | | | | | | 0.8 | 0.9 | 4.6 | 9 | <0.1 | 0.5 | 0.4 | 91 | 0.74 | <0.5 | <0.5 |
| 00RAY073A | Rock | 0.58 | 3.22 | 0.64 | 1.87 | 0.30 | 1.95 | 0.31 | <0.02 | <0.02 | 0.2 | 2.2 | 5.9 | 38 | <0.1 | 1.1 | 1.6 | 147 | 1.21 | 0.7 | <0.5 |
| REP 00RAY073A | QC | 0.60 | 3.25 | 0.65 | 2.03 | 0.28 | 2.00 | 0.29 | | | | | | | | | | | | | |
| 00RAY158A | Rock | 0.71 | 4.18 | 0.86 | 2.49 | 0.35 | 2.12 | 0.33 | 0.03 | 0.04 | 1.1 | 21.2 | 0.7 | 82 | <0.1 | 8.8 | 7.8 | 313 | 3.11 | <0.5 | 1.6 |
| REP 00RAY158A | QC | | | | | | | | | | 1.1 | 21.0 | 0.7 | 81 | <0.1 | 8.7 | 7.5 | 314 | 3.12 | <0.5 | 2.0 |
| 00RAY274A | Rock | 0.78 | 5.43 | 1.15 | 4.19 | 0.81 | 5.92 | 0.89 | 0.02 | <0.02 | 0.6 | 10.2 | 6.5 | 13 | <0.1 | 2.1 | 0.2 | 60 | 0.60 | 6.7 | <0.5 |
| REP 00RAY274A | QC | | | | | | | | 0.02 | <0.02 | | | | | | | | | | | |
| 02RAYG117A1 | Rock | 0.18 | 0.75 | 0.11 | 0.25 | 0.03 | 0.21 | 0.03 | <0.02 | <0.02 | <0.1 | 1.6 | 1.5 | 72 | <0.1 | 2.0 | 5.2 | 231 | 1.73 | <0.5 | <0.5 |
| REP 02RAYG117A1 | QC | 0.20 | 0.81 | 0.12 | 0.22 | 0.04 | 0.22 | 0.03 | | | | | | | | | | | | | |
| 03GGA264A1 | Rock | 0.60 | 3.68 | 0.86 | 2.42 | 0.37 | 2.56 | 0.39 | 0.02 | <0.02 | 0.1 | 4.3 | 1.2 | 61 | <0.1 | 1.9 | 5.8 | 492 | 1.93 | 0.9 | 0.8 |
| REP 03GGA264A1 | QC | | | | | | | | | | 0.1 | 4.4 | 1.1 | 63 | <0.1 | 2.1 | 5.7 | 502 | 2.01 | 1.1 | <0.5 |
| 09RAYJC018B | Rock | 0.50 | 2.96 | 0.56 | 1.74 | 0.23 | 1.65 | 0.27 | <0.02 | <0.02 | <0.1 | 2.8 | 0.7 | 45 | <0.1 | 2.3 | 6.5 | 481 | 2.28 | <0.5 | <0.5 |
| REP 09RAYJC018B | QC | | | | | | | | <0.02 | <0.02 | | | | | | | | | | | |
| 09RAYMC101A1 | Rock | 0.81 | 4.80 | 1.02 | 2.93 | 0.41 | 2.90 | 0.43 | <0.02 | <0.02 | 0.1 | 1.7 | 2.0 | 53 | <0.1 | 1.1 | 6.7 | 561 | 2.46 | <0.5 | <0.5 |
| REP 09RAYMC101A1 | QC | 0.84 | 4.96 | 1.05 | 2.92 | 0.46 | 2.91 | 0.46 | | | | | | | | | | | | | |
| 09RAYMK068A1 | Rock | 0.52 | 3.15 | 0.64 | 1.61 | 0.24 | 1.54 | 0.24 | <0.02 | <0.02 | 0.1 | 125.0 | 0.6 | 27 | <0.1 | 8.6 | 13.9 | 428 | 2.54 | <0.5 | <0.5 |
| REP 09RAYMK068A1 | QC | | | | | | | | | | 0.1 | 129.4 | 0.6 | 28 | <0.1 | 9.1 | 14.0 | 439 | 2.61 | <0.5 | <0.5 |
| 11RAYAZ275A01 | Rock | 0.75 | 3.69 | 0.73 | 2.04 | 0.34 | 2.09 | 0.32 | <0.02 | <0.02 | 0.2 | 3.6 | 3.6 | 78 | <0.1 | 5.7 | 8.4 | 944 | 3.52 | <0.5 | <0.5 |
| REP 11RAYAZ275A01 | QC | | | | | | | | <0.02 | <0.02 | | | | | | | | | | | |
| 11RAYTD040A | Rock | 0.43 | 2.47 | 0.54 | 1.49 | 0.24 | 1.47 | 0.21 | <0.02 | <0.02 | 0.5 | 6.0 | 6.0 | 58 | <0.1 | 9.5 | 5.9 | 363 | 2.18 | <0.5 | <0.5 |
| REP 11RAYTD040A | QC | 0.46 | 2.73 | 0.52 | 1.51 | 0.22 | 1.51 | 0.20 | | | | | | | | | | | | | |
| 14RAY068A | Rock | 0.49 | 2.48 | 0.41 | 1.03 | 0.15 | 0.97 | 0.15 | <0.02 | <0.02 | 0.1 | 1.0 | 7.2 | 61 | <0.1 | 1.1 | 1.8 | 261 | 1.54 | <0.5 | <0.5 |



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Project: Cordillera
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QUALITY CONTROL REPORT

VAN15000428.1

| Method Analyte Unit MDL | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 |
|----------------------------------|-----------|-----------|-----------|-----------|-----------|----------|---------|--------|-----------|-----------|---------|-----------|---------|----------|---------|---------|--------|----------|-----------|-----------|-------|
| | Th ppm | Sr ppm | Cd ppm | Sb ppm | Bi ppm | V ppm | Ca % | P % | La ppm | Cr ppm | Mg % | Ba ppm | Ti % | B ppm | Al % | Na % | K % | W ppm | Hg ppm | Sc ppm | |
| 00GGA224A | Rock | 4.5 | 32 | <0.1 | <0.1 | <0.1 | 22 | 0.04 | 0.006 | 10 | 3 | 0.02 | 53 | 0.006 | <20 | 0.16 | 0.047 | 0.12 | <0.1 | <0.01 | 0.8 |
| 02RAY302A1 | Rock | 3.2 | 16 | <0.1 | <0.1 | <0.1 | 25 | 0.50 | 0.066 | 3 | 12 | 0.76 | 64 | 0.098 | <20 | 1.15 | 0.048 | 0.13 | <0.1 | <0.01 | 2.0 |
| 09RAYJR177A1 | Rock | 6.3 | 6 | <0.1 | <0.1 | 0.1 | <2 | 0.09 | 0.018 | 4 | 3 | 0.09 | 383 | 0.004 | <20 | 0.38 | 0.034 | 0.17 | <0.1 | <0.01 | 0.9 |
| 11RAYJR103A1 | Rock | 11.4 | 23 | <0.1 | <0.1 | 0.1 | 69 | 0.31 | 0.046 | 27 | 96 | 1.31 | 302 | 0.162 | <20 | 2.53 | 0.118 | 1.18 | <0.1 | <0.01 | 9.7 |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | | | | |
| REP ROCK-VAN | QC | | | | | | | | | | | | | | | | | | | | |
| 00GGA065A | Rock | 15.2 | 19 | <0.1 | <0.1 | <0.1 | <2 | 0.21 | 0.002 | 28 | 2 | 0.22 | 485 | 0.003 | <20 | 0.28 | 0.024 | 0.26 | <0.1 | <0.01 | 0.8 |
| REP 00GGA065A | QC | 13.5 | 19 | <0.1 | <0.1 | <0.1 | <2 | 0.22 | 0.001 | 28 | 1 | 0.22 | 479 | 0.003 | <20 | 0.27 | 0.023 | 0.26 | <0.1 | <0.01 | 0.8 |
| 00RAY073A | Rock | 16.0 | 7 | <0.1 | <0.1 | <0.1 | 5 | 0.10 | 0.012 | 41 | 4 | 0.13 | 83 | 0.032 | <20 | 0.49 | 0.037 | 0.31 | <0.1 | 0.01 | 2.7 |
| REP 00RAY073A | QC | | | | | | | | | | | | | | | | | | | | |
| 00RAY158A | Rock | 1.5 | 15 | <0.1 | <0.1 | <0.1 | 47 | 0.48 | 0.097 | 2 | 44 | 0.95 | 1101 | 0.219 | <20 | 1.63 | 0.038 | 0.88 | <0.1 | <0.01 | 7.0 |
| REP 00RAY158A | QC | 1.4 | 15 | <0.1 | <0.1 | <0.1 | 49 | 0.48 | 0.090 | 2 | 43 | 0.96 | 1103 | 0.220 | <20 | 1.66 | 0.038 | 0.88 | <0.1 | <0.01 | 7.1 |
| 00RAY274A | Rock | 23.6 | 1 | <0.1 | <0.1 | 0.2 | <2 | 0.04 | 0.006 | 6 | 3 | <0.01 | 11 | 0.003 | <20 | 0.21 | 0.043 | 0.22 | 0.1 | <0.01 | 1.3 |
| REP 00RAY274A | QC | | | | | | | | | | | | | | | | | | | | |
| 02RAYG117A1 | Rock | 2.4 | 30 | <0.1 | <0.1 | <0.1 | 31 | 0.33 | 0.073 | 11 | 3 | 0.48 | 148 | 0.104 | <20 | 0.95 | 0.063 | 0.58 | <0.1 | <0.01 | 0.6 |
| REP 02RAYG117A1 | QC | | | | | | | | | | | | | | | | | | | | |
| 03GGA264A1 | Rock | 2.5 | 32 | <0.1 | <0.1 | <0.1 | 25 | 0.31 | 0.092 | 7 | 4 | 0.83 | 50 | 0.082 | <20 | 0.88 | 0.076 | 0.08 | <0.1 | <0.01 | 3.7 |
| REP 03GGA264A1 | QC | 2.5 | 33 | <0.1 | <0.1 | <0.1 | 25 | 0.30 | 0.090 | 7 | 5 | 0.84 | 50 | 0.080 | <20 | 0.88 | 0.073 | 0.08 | <0.1 | <0.01 | 3.7 |
| 09RAYJC018B | Rock | 1.6 | 26 | <0.1 | <0.1 | <0.1 | 58 | 0.53 | 0.091 | 9 | 4 | 0.65 | 153 | 0.143 | <20 | 0.93 | 0.113 | 0.60 | <0.1 | <0.01 | 2.8 |
| REP 09RAYJC018B | QC | | | | | | | | | | | | | | | | | | | | |
| 09RAYMC101A1 | Rock | 7.1 | 17 | <0.1 | <0.1 | <0.1 | 32 | 0.34 | 0.043 | 22 | 4 | 0.56 | 238 | 0.199 | <20 | 1.31 | 0.076 | 0.95 | <0.1 | <0.01 | 3.0 |
| REP 09RAYMC101A1 | QC | | | | | | | | | | | | | | | | | | | | |
| 09RAYMK068A1 | Rock | 0.2 | 63 | <0.1 | <0.1 | <0.1 | 103 | 1.85 | 0.104 | 1 | 17 | 1.11 | 38 | 0.162 | <20 | 1.69 | 0.203 | 0.22 | <0.1 | <0.01 | 10.3 |
| REP 09RAYMK068A1 | QC | 0.2 | 61 | <0.1 | <0.1 | <0.1 | 107 | 1.87 | 0.098 | 1 | 18 | 1.13 | 37 | 0.164 | <20 | 1.72 | 0.205 | 0.23 | <0.1 | <0.01 | 10.9 |
| 11RAYAZ275A01 | Rock | 13.0 | 54 | <0.1 | <0.1 | <0.1 | 78 | 0.41 | 0.079 | 26 | 24 | 1.91 | 789 | 0.301 | <20 | 2.82 | 0.151 | 1.97 | 0.2 | <0.01 | 12.5 |
| REP 11RAYAZ275A01 | QC | | | | | | | | | | | | | | | | | | | | |
| 11RAYTD040A | Rock | 15.8 | 20 | <0.1 | <0.1 | <0.1 | 16 | 0.25 | 0.042 | 21 | 16 | 0.52 | 102 | 0.147 | <20 | 1.19 | 0.053 | 0.83 | <0.1 | <0.01 | 1.2 |
| REP 11RAYTD040A | QC | | | | | | | | | | | | | | | | | | | | |
| 14RAY068A | Rock | 17.4 | 10 | <0.1 | <0.1 | 2.0 | 12 | 0.19 | 0.051 | 36 | 4 | 0.31 | 70 | 0.117 | <20 | 0.91 | 0.069 | 0.60 | <0.1 | <0.01 | 2.2 |



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QUALITY CONTROL REPORT

VAN15000428.1

| Method Analyte | Unit | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 |
|-------------------|------|-------|-------|-------|-------|-------|
| | | Tl | S | Ga | Se | Te |
| MDL | | ppm | % | ppm | ppm | ppm |
| | | 0.1 | 0.05 | 1 | 0.5 | 0.2 |
| 00GGA224A | Rock | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| 02RAY302A1 | Rock | <0.1 | <0.05 | 2 | <0.5 | <0.2 |
| 09RAYJR177A1 | Rock | <0.1 | <0.05 | 1 | <0.5 | <0.2 |
| 11RAYJR103A1 | Rock | 0.3 | <0.05 | 10 | <0.5 | <0.2 |
| Pulp Duplicates | | | | | | |
| REP ROCK-VAN | QC | | | | | |
| 00GGA065A | Rock | <0.1 | 0.54 | 1 | <0.5 | <0.2 |
| REP 00GGA065A | QC | <0.1 | 0.52 | 1 | <0.5 | <0.2 |
| 00RAY073A | Rock | 0.2 | <0.05 | 3 | <0.5 | <0.2 |
| REP 00RAY073A | QC | | | | | |
| 00RAY158A | Rock | 0.2 | <0.05 | 5 | <0.5 | <0.2 |
| REP 00RAY158A | QC | 0.2 | <0.05 | 5 | <0.5 | <0.2 |
| 00RAY274A | Rock | 0.1 | <0.05 | 1 | 0.5 | <0.2 |
| REP 00RAY274A | QC | | | | | |
| 02RAYG117A1 | Rock | 0.2 | <0.05 | 5 | <0.5 | <0.2 |
| REP 02RAYG117A1 | QC | | | | | |
| 03GGA264A1 | Rock | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| REP 03GGA264A1 | QC | <0.1 | <0.05 | 5 | <0.5 | <0.2 |
| 09RAYJC018B | Rock | 0.1 | <0.05 | 4 | <0.5 | <0.2 |
| REP 09RAYJC018B | QC | | | | | |
| 09RAYMC101A1 | Rock | 0.2 | <0.05 | 4 | <0.5 | <0.2 |
| REP 09RAYMC101A1 | QC | | | | | |
| 09RAYMK068A1 | Rock | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| REP 09RAYMK068A1 | QC | <0.1 | <0.05 | 4 | <0.5 | <0.2 |
| 11RAYAZ275A01 | Rock | 0.4 | <0.05 | 10 | <0.5 | <0.2 |
| REP 11RAYAZ275A01 | QC | | | | | |
| 11RAYTD040A | Rock | 0.4 | <0.05 | 5 | <0.5 | <0.2 |
| REP 11RAYTD040A | QC | | | | | |
| 14RAY068A | Rock | 0.7 | <0.05 | 7 | <0.5 | <0.2 |



QUALITY CONTROL REPORT

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| | | WGHT | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 |
|---------------------|----------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Wgt | SiO2 | Al2O3 | Fe2O3 | MgO | CaO | Na2O | K2O | TiO2 | P2O5 | MnO | Cr2O3 | Ni | Sc | LOI | Sum | Ba | Be | Co | Cs |
| | | kg | % | % | % | % | % | % | % | % | % | % | % | ppm | ppm | % | % | ppm | ppm | ppm | ppm |
| | | 0.01 | 0.01 | 0.01 | 0.04 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.002 | 20 | 1 | -5.1 | 0.01 | 1 | 1 | 0.2 | 0.1 |
| REP 14RAY068A | QC | | | | | | | | | | | | | | | | | | | | |
| 11RAYAZ282A1-2 | Rock | 0.22 | 73.03 | 14.30 | 1.99 | 0.27 | 1.21 | 3.44 | 5.12 | 0.17 | 0.04 | 0.05 | <0.002 | <20 | 2 | 0.2 | 99.82 | 1127 | 1 | 1.4 | 8.2 |
| REP 11RAYAZ282A1-2 | QC | | | | | | | | | | | | | | | | | | | | |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | |
| STD DS10 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD DS10 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD DS10 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD DS10 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD DS10 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD GS311-1 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD GS311-1 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD GS311-1 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD GS311-1 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD GS910-4 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD GS910-4 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD GS910-4 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD GS910-4 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD OREAS45EA | Standard | | | | | | | | | | | | | | | | | | | | |
| STD OREAS45EA | Standard | | | | | | | | | | | | | | | | | | | | |
| STD OREAS45EA | Standard | | | | | | | | | | | | | | | | | | | | |
| STD OREAS45EA | Standard | | | | | | | | | | | | | | | | | | | | |
| STD OREAS45EA | Standard | | | | | | | | | | | | | | | | | | | | |
| STD SO-18 | Standard | | 58.09 | 14.14 | 7.66 | 3.40 | 6.38 | 3.62 | 2.12 | 0.69 | 0.79 | 0.39 | 0.550 | 41 | 24 | 1.9 | 99.75 | 503 | 2 | 26.1 | 6.0 |
| STD SO-18 | Standard | | 58.47 | 14.03 | 7.56 | 3.36 | 6.28 | 3.63 | 2.10 | 0.69 | 0.78 | 0.39 | 0.540 | 44 | 24 | 1.9 | 99.74 | 506 | <1 | 26.1 | 6.8 |
| STD SO-18 | Standard | | 57.95 | 14.17 | 7.66 | 3.37 | 6.37 | 3.68 | 2.17 | 0.69 | 0.80 | 0.40 | 0.553 | 44 | 24 | 1.9 | 99.73 | 531 | <1 | 26.8 | 7.3 |
| STD SO-18 | Standard | | 58.16 | 14.02 | 7.60 | 3.37 | 6.42 | 3.68 | 2.16 | 0.70 | 0.78 | 0.39 | 0.542 | 43 | 24 | 1.9 | 99.72 | 511 | 2 | 27.3 | 6.9 |
| STD SO-18 | Standard | | 58.06 | 14.16 | 7.57 | 3.40 | 6.44 | 3.65 | 2.12 | 0.69 | 0.77 | 0.39 | 0.550 | 45 | 24 | 1.9 | 99.72 | 498 | <1 | 28.0 | 6.5 |
| STD SO-18 | Standard | | 58.01 | 14.14 | 7.58 | 3.39 | 6.44 | 3.69 | 2.17 | 0.69 | 0.78 | 0.39 | 0.552 | 44 | 24 | 1.9 | 99.74 | 476 | 2 | 23.4 | 6.8 |
| STD SO-18 | Standard | | 58.24 | 14.04 | 7.63 | 3.37 | 6.35 | 3.65 | 2.12 | 0.70 | 0.79 | 0.39 | 0.551 | 39 | 24 | 1.9 | 99.73 | 510 | <1 | 26.0 | 6.7 |



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| | | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | | |
|---------------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|--|
| | | Ga | Hf | Nb | Rb | Sn | Sr | Ta | Th | U | V | W | Zr | Y | La | Ce | Pr | Nd | Sm | Eu | Gd | |
| | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | |
| | | 0.5 | 0.1 | 0.1 | 0.1 | 1 | 0.5 | 0.1 | 0.2 | 0.1 | 8 | 0.5 | 0.1 | 0.1 | 0.1 | 0.1 | 0.02 | 0.3 | 0.05 | 0.02 | 0.05 | |
| REP 14RAY068A | QC | | | | | | | | | | | | | | | | | | | | | |
| 11RAYAZ282A1-2 | Rock | 13.1 | 3.5 | 12.1 | 160.0 | <1 | 169.6 | 0.8 | 26.0 | 2.9 | 13 | <0.5 | 128.5 | 7.4 | 17.6 | 39.5 | 3.09 | 10.0 | 1.84 | 0.43 | 1.37 | |
| REP 11RAYAZ282A1-2 | QC | | | | | | | | | | | | | | | | | | | | | |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | | |
| STD DS10 | Standard | | | | | | | | | | | | | | | | | | | | | |
| STD DS10 | Standard | | | | | | | | | | | | | | | | | | | | | |
| STD DS10 | Standard | | | | | | | | | | | | | | | | | | | | | |
| STD DS10 | Standard | | | | | | | | | | | | | | | | | | | | | |
| STD DS10 | Standard | | | | | | | | | | | | | | | | | | | | | |
| STD GS311-1 | Standard | | | | | | | | | | | | | | | | | | | | | |
| STD GS311-1 | Standard | | | | | | | | | | | | | | | | | | | | | |
| STD GS311-1 | Standard | | | | | | | | | | | | | | | | | | | | | |
| STD GS311-1 | Standard | | | | | | | | | | | | | | | | | | | | | |
| STD GS910-4 | Standard | | | | | | | | | | | | | | | | | | | | | |
| STD GS910-4 | Standard | | | | | | | | | | | | | | | | | | | | | |
| STD GS910-4 | Standard | | | | | | | | | | | | | | | | | | | | | |
| STD GS910-4 | Standard | | | | | | | | | | | | | | | | | | | | | |
| STD OREAS45EA | Standard | | | | | | | | | | | | | | | | | | | | | |
| STD OREAS45EA | Standard | | | | | | | | | | | | | | | | | | | | | |
| STD OREAS45EA | Standard | | | | | | | | | | | | | | | | | | | | | |
| STD OREAS45EA | Standard | | | | | | | | | | | | | | | | | | | | | |
| STD SO-18 | Standard | 15.7 | 9.4 | 18.6 | 26.7 | 14 | 366.0 | 6.7 | 9.8 | 16.6 | 199 | 14.1 | 289.3 | 27.3 | 12.5 | 27.7 | 3.19 | 12.4 | 2.69 | 0.87 | 2.91 | |
| STD SO-18 | Standard | 15.6 | 9.3 | 20.4 | 28.2 | 14 | 406.0 | 7.1 | 10.0 | 16.9 | 195 | 13.6 | 290.7 | 29.4 | 12.2 | 27.8 | 3.34 | 13.6 | 2.85 | 0.89 | 2.81 | |
| STD SO-18 | Standard | 17.0 | 9.5 | 20.4 | 27.2 | 15 | 425.4 | 7.4 | 9.7 | 15.8 | 201 | 13.7 | 302.0 | 30.6 | 13.1 | 26.9 | 3.35 | 14.3 | 2.85 | 0.90 | 2.86 | |
| STD SO-18 | Standard | 16.2 | 9.1 | 19.0 | 28.0 | 15 | 420.1 | 6.6 | 10.3 | 15.8 | 197 | 14.3 | 294.9 | 29.4 | 12.3 | 26.3 | 3.27 | 12.7 | 2.98 | 0.82 | 3.03 | |
| STD SO-18 | Standard | 17.9 | 9.3 | 21.2 | 28.2 | 13 | 456.3 | 6.9 | 9.1 | 16.6 | 193 | 13.7 | 293.0 | 31.0 | 12.6 | 28.1 | 3.32 | 14.2 | 2.97 | 0.86 | 2.92 | |
| STD SO-18 | Standard | 15.9 | 8.8 | 20.5 | 27.2 | 14 | 417.5 | 6.3 | 8.7 | 16.6 | 196 | 14.8 | 278.2 | 28.0 | 13.2 | 26.3 | 3.11 | 12.9 | 2.83 | 0.81 | 2.76 | |
| STD SO-18 | Standard | 16.6 | 9.3 | 19.2 | 27.6 | 14 | 418.1 | 6.4 | 9.4 | 16.5 | 195 | 13.7 | 288.3 | 28.5 | 12.9 | 28.1 | 3.18 | 13.1 | 2.56 | 0.81 | 2.80 | |



QUALITY CONTROL REPORT

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| | | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | TC000 | TC000 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | |
|---------------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Tb | Dy | Ho | Er | Tm | Yb | Lu | TOT/C | TOT/S | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au |
| | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb |
| | | 0.01 | 0.05 | 0.02 | 0.03 | 0.01 | 0.05 | 0.01 | 0.02 | 0.02 | 0.1 | 0.1 | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 1 | 0.01 | 0.5 | 0.5 |
| REP 14RAY068A | QC | | | | | | | | | | 0.2 | 1.2 | 6.9 | 59 | <0.1 | 1.2 | 1.8 | 260 | 1.56 | <0.5 | <0.5 |
| 11RAYAZ282A1-2 | Rock | 0.21 | 1.24 | 0.24 | 0.76 | 0.12 | 0.98 | 0.17 | <0.02 | <0.02 | 0.3 | 1.6 | 4.1 | 30 | <0.1 | 1.3 | 1.6 | 391 | 1.43 | 0.6 | <0.5 |
| REP 11RAYAZ282A1-2 | QC | | | | | | | | <0.02 | <0.02 | | | | | | | | | | | |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | |
| STD DS10 | Standard | | | | | | | | | | 14.6 | 162.8 | 143.6 | 371 | 1.8 | 78.1 | 12.8 | 884 | 2.79 | 47.8 | 54.2 |
| STD DS10 | Standard | | | | | | | | | | 11.9 | 165.4 | 150.5 | 364 | 1.6 | 74.0 | 13.6 | 856 | 2.74 | 47.4 | 74.6 |
| STD DS10 | Standard | | | | | | | | | | 11.9 | 166.3 | 142.6 | 357 | 1.8 | 73.2 | 13.6 | 856 | 2.72 | 48.1 | 70.3 |
| STD DS10 | Standard | | | | | | | | | | 12.5 | 157.5 | 146.6 | 345 | 1.8 | 76.3 | 12.4 | 878 | 2.64 | 43.1 | 95.4 |
| STD DS10 | Standard | | | | | | | | | | 12.4 | 157.0 | 151.5 | 369 | 2.1 | 75.5 | 13.2 | 872 | 2.75 | 47.1 | 166.5 |
| STD GS311-1 | Standard | | | | | | | | 1.03 | 2.35 | | | | | | | | | | | |
| STD GS311-1 | Standard | | | | | | | | 1.05 | 2.39 | | | | | | | | | | | |
| STD GS311-1 | Standard | | | | | | | | 1.01 | 2.45 | | | | | | | | | | | |
| STD GS311-1 | Standard | | | | | | | | 1.03 | 2.41 | | | | | | | | | | | |
| STD GS910-4 | Standard | | | | | | | | 2.68 | 8.47 | | | | | | | | | | | |
| STD GS910-4 | Standard | | | | | | | | 2.71 | 8.38 | | | | | | | | | | | |
| STD GS910-4 | Standard | | | | | | | | 2.58 | 8.20 | | | | | | | | | | | |
| STD GS910-4 | Standard | | | | | | | | 2.63 | 8.29 | | | | | | | | | | | |
| STD OREAS45EA | Standard | | | | | | | | | | 1.5 | 725.4 | 15.4 | 33 | 0.3 | 401.4 | 54.2 | 424 | 22.41 | 11.5 | 50.7 |
| STD OREAS45EA | Standard | | | | | | | | | | 1.6 | 674.1 | 16.2 | 29 | 0.2 | 362.0 | 57.5 | 405 | 20.89 | 8.9 | 60.8 |
| STD OREAS45EA | Standard | | | | | | | | | | 1.5 | 664.0 | 15.7 | 30 | 0.3 | 354.3 | 50.9 | 406 | 20.26 | 8.6 | 51.2 |
| STD OREAS45EA | Standard | | | | | | | | | | 1.4 | 648.6 | 15.2 | 31 | 0.2 | 359.4 | 51.4 | 405 | 21.60 | 8.1 | 54.1 |
| STD OREAS45EA | Standard | | | | | | | | | | 1.7 | 675.2 | 14.7 | 31 | 0.3 | 360.9 | 53.8 | 403 | 20.82 | 10.9 | 51.6 |
| STD SO-18 | Standard | 0.49 | 2.85 | 0.60 | 1.71 | 0.26 | 1.67 | 0.25 | | | | | | | | | | | | | |
| STD SO-18 | Standard | 0.49 | 3.05 | 0.59 | 1.82 | 0.25 | 1.81 | 0.26 | | | | | | | | | | | | | |
| STD SO-18 | Standard | 0.48 | 2.73 | 0.60 | 1.58 | 0.26 | 1.68 | 0.25 | | | | | | | | | | | | | |
| STD SO-18 | Standard | 0.49 | 2.99 | 0.61 | 1.65 | 0.26 | 1.74 | 0.28 | | | | | | | | | | | | | |
| STD SO-18 | Standard | 0.49 | 3.13 | 0.58 | 1.86 | 0.28 | 1.70 | 0.26 | | | | | | | | | | | | | |
| STD SO-18 | Standard | 0.46 | 2.85 | 0.58 | 1.75 | 0.25 | 1.76 | 0.25 | | | | | | | | | | | | | |
| STD SO-18 | Standard | 0.47 | 2.73 | 0.56 | 1.66 | 0.25 | 1.70 | 0.28 | | | | | | | | | | | | | |



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Project: Cordillera
Report Date: March 17, 2015

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QUALITY CONTROL REPORT

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| | | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 |
|---------------------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Th | Sr | Cd | Sb | Bi | V | Ca | P | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc |
| | | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm |
| | | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | 1 | 0.01 | 1 | 0.001 | 20 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 |
| REP 14RAY068A | QC | 16.0 | 10 | <0.1 | <0.1 | 1.7 | 12 | 0.19 | 0.050 | 34 | 4 | 0.30 | 64 | 0.104 | <20 | 0.88 | 0.066 | 0.58 | <0.1 | <0.01 | 1.9 |
| 11RAYAZ282A1-2 | Rock | 27.8 | 6 | <0.1 | <0.1 | <0.1 | 9 | 0.10 | 0.021 | 19 | 4 | 0.17 | 129 | 0.069 | <20 | 0.55 | 0.069 | 0.39 | <0.1 | <0.01 | 1.9 |
| REP 11RAYAZ282A1-2 | QC | | | | | | | | | | | | | | | | | | | | |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | |
| STD DS10 | Standard | 7.3 | 66 | 2.7 | 7.7 | 12.9 | 45 | 1.07 | 0.072 | 18 | 54 | 0.78 | 389 | 0.081 | <20 | 1.04 | 0.069 | 0.34 | 2.4 | 0.29 | 3.0 |
| STD DS10 | Standard | 7.1 | 61 | 2.9 | 7.9 | 12.6 | 41 | 1.03 | 0.077 | 17 | 55 | 0.76 | 368 | 0.078 | <20 | 0.98 | 0.067 | 0.33 | 2.4 | 0.27 | 2.9 |
| STD DS10 | Standard | 7.0 | 63 | 3.0 | 8.0 | 13.0 | 41 | 1.01 | 0.074 | 15 | 52 | 0.75 | 373 | 0.072 | <20 | 0.96 | 0.065 | 0.32 | 3.2 | 0.30 | 2.9 |
| STD DS10 | Standard | 6.9 | 58 | 2.5 | 6.9 | 11.8 | 39 | 1.01 | 0.070 | 16 | 51 | 0.75 | 349 | 0.080 | <20 | 0.94 | 0.060 | 0.32 | 2.8 | 0.30 | 2.7 |
| STD DS10 | Standard | 6.4 | 67 | 2.8 | 8.5 | 12.1 | 41 | 1.05 | 0.086 | 17 | 55 | 0.77 | 404 | 0.069 | <20 | 0.96 | 0.065 | 0.33 | 3.3 | 0.29 | 2.8 |
| STD GS311-1 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD GS311-1 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD GS311-1 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD GS311-1 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD GS910-4 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD GS910-4 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD GS910-4 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD GS910-4 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD OREAS45EA | Standard | 10.4 | 4 | <0.1 | 0.3 | 0.3 | 312 | 0.04 | 0.029 | 8 | 849 | 0.10 | 152 | 0.109 | <20 | 3.32 | 0.026 | 0.05 | <0.1 | <0.01 | 78.9 |
| STD OREAS45EA | Standard | 10.9 | 4 | <0.1 | 0.3 | 0.3 | 287 | 0.04 | 0.028 | 7 | 805 | 0.10 | 159 | 0.103 | <20 | 3.04 | 0.024 | 0.05 | <0.1 | 0.01 | 74.1 |
| STD OREAS45EA | Standard | 10.4 | 4 | <0.1 | 0.3 | 0.3 | 290 | 0.04 | 0.027 | 7 | 744 | 0.09 | 154 | 0.093 | <20 | 2.94 | 0.025 | 0.05 | <0.1 | 0.01 | 71.4 |
| STD OREAS45EA | Standard | 10.6 | 4 | <0.1 | 0.3 | 0.3 | 309 | 0.04 | 0.030 | 7 | 769 | 0.10 | 138 | 0.103 | <20 | 2.87 | 0.019 | 0.05 | <0.1 | 0.01 | 71.8 |
| STD OREAS45EA | Standard | 9.4 | 4 | <0.1 | 0.5 | 0.3 | 290 | 0.04 | 0.030 | 7 | 824 | 0.09 | 150 | 0.083 | <20 | 2.97 | 0.025 | 0.05 | <0.1 | <0.01 | 69.9 |
| STD SO-18 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD SO-18 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD SO-18 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD SO-18 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD SO-18 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD SO-18 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD SO-18 | Standard | | | | | | | | | | | | | | | | | | | | |



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Part: 5 of 5

QUALITY CONTROL REPORT

VAN15000428.1

| | | AQ200 Tl ppm | AQ200 S % | AQ200 Ga ppm | AQ200 Se ppm | AQ200 Te ppm |
|---------------------|----------|--------------------|-----------------|--------------------|--------------------|--------------------|
| REP 14RAY068A | QC | 0.7 | <0.05 | 6 | <0.5 | <0.2 |
| 11RAYAZ282A1-2 | Rock | 0.4 | <0.05 | 3 | <0.5 | <0.2 |
| REP 11RAYAZ282A1-2 | QC | | | | | |
| Reference Materials | | | | | | |
| STD DS10 | Standard | 5.1 | 0.30 | 4 | 2.2 | 4.7 |
| STD DS10 | Standard | 5.1 | 0.28 | 4 | 1.9 | 4.4 |
| STD DS10 | Standard | 5.0 | 0.28 | 4 | 2.3 | 4.7 |
| STD DS10 | Standard | 4.3 | 0.27 | 4 | 2.1 | 4.6 |
| STD DS10 | Standard | 5.3 | 0.29 | 4 | 2.6 | 4.9 |
| STD GS311-1 | Standard | | | | | |
| STD GS311-1 | Standard | | | | | |
| STD GS311-1 | Standard | | | | | |
| STD GS311-1 | Standard | | | | | |
| STD GS910-4 | Standard | | | | | |
| STD GS910-4 | Standard | | | | | |
| STD GS910-4 | Standard | | | | | |
| STD GS910-4 | Standard | | | | | |
| STD OREAS45EA | Standard | <0.1 | <0.05 | 13 | 0.8 | <0.2 |
| STD OREAS45EA | Standard | <0.1 | <0.05 | 12 | <0.5 | <0.2 |
| STD OREAS45EA | Standard | <0.1 | <0.05 | 11 | 0.6 | <0.2 |
| STD OREAS45EA | Standard | <0.1 | <0.05 | 12 | <0.5 | <0.2 |
| STD OREAS45EA | Standard | 0.1 | <0.05 | 12 | 0.8 | <0.2 |
| STD SO-18 | Standard | | | | | |
| STD SO-18 | Standard | | | | | |
| STD SO-18 | Standard | | | | | |
| STD SO-18 | Standard | | | | | |
| STD SO-18 | Standard | | | | | |
| STD SO-18 | Standard | | | | | |
| STD SO-18 | Standard | | | | | |



QUALITY CONTROL REPORT

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| | WGHT | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 |
|------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Wgt | SiO2 | Al2O3 | Fe2O3 | MgO | CaO | Na2O | K2O | TiO2 | P2O5 | MnO | Cr2O3 | Ni | Sc | LOI | Sum | Ba | Be | Co | Cs | |
| | kg | % | % | % | % | % | % | % | % | % | % | % | ppm | ppm | % | % | ppm | ppm | ppm | ppm | |
| | 0.01 | 0.01 | 0.01 | 0.04 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.002 | 20 | 1 | -5.1 | 0.01 | 1 | 1 | 0.2 | 0.1 | |
| STD SO-18 Standard | | 57.94 | 14.14 | 7.68 | 3.39 | 6.35 | 3.65 | 2.24 | 0.69 | 0.80 | 0.40 | 0.555 | 44 | 24 | 1.9 | 99.73 | 500 | 3 | 25.7 | 6.3 | |
| STD SO-18 Standard | | 58.53 | 13.98 | 7.59 | 3.35 | 6.33 | 3.60 | 2.07 | 0.69 | 0.76 | 0.39 | 0.544 | 45 | 23 | 1.9 | 99.73 | 525 | <1 | 25.3 | 7.3 | |
| STD SO-18 Standard | | 58.49 | 14.01 | 7.57 | 3.37 | 6.30 | 3.62 | 2.08 | 0.69 | 0.76 | 0.39 | 0.543 | 44 | 23 | 1.9 | 99.73 | 524 | 2 | 28.4 | 7.0 | |
| STD SO-18 Standard | | 58.17 | 14.12 | 7.59 | 3.37 | 6.42 | 3.60 | 2.10 | 0.70 | 0.79 | 0.40 | 0.550 | 41 | 23 | 1.9 | 99.73 | 505 | <1 | 26.0 | 6.3 | |
| STD SO-18 Standard | | 58.00 | 14.19 | 7.59 | 3.36 | 6.47 | 3.64 | 2.14 | 0.70 | 0.79 | 0.39 | 0.543 | 50 | 23 | 1.9 | 99.72 | 527 | 2 | 28.3 | 6.7 | |
| STD GS311-1 Expected | | | | | | | | | | | | | | | | | | | | | |
| STD GS910-4 Expected | | | | | | | | | | | | | | | | | | | | | |
| STD DS10 Expected | | | | | | | | | | | | | | | | | | | | | |
| STD OREAS45EA Expected | | | | | | | | | | | | | | | | | | | | | |
| STD SO-18 Expected | | 58.47 | 14.23 | 7.67 | 3.35 | 6.42 | 3.71 | 2.17 | 0.69 | 0.83 | 0.39 | 0.55 | 44 | 25 | | | 514 | | 26.2 | 7.1 | |
| BLK Blank | | | | | | | | | | | | | | | | | | | | | |
| BLK Blank | | | | | | | | | | | | | | | | | | | | | |
| BLK Blank | | | | | | | | | | | | | | | | | | | | | |
| BLK Blank | | | | | | | | | | | | | | | | | | | | | |
| BLK Blank | | <0.01 | <0.01 | <0.04 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.002 | <20 | <1 | 0.0 | <0.01 | <1 | <1 | <0.2 | <0.1 | |
| BLK Blank | | | | | | | | | | | | | | | | | | | | | |
| BLK Blank | | <0.01 | <0.01 | <0.04 | <0.01 | <0.01 | <0.01 | 0.01 | <0.01 | <0.01 | <0.01 | <0.002 | <20 | <1 | 0.0 | <0.01 | <1 | <1 | <0.2 | <0.1 | |
| BLK Blank | | <0.01 | <0.01 | <0.04 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.002 | <20 | <1 | 0.0 | <0.01 | 2 | <1 | <0.2 | <0.1 | |
| BLK Blank | | | | | | | | | | | | | | | | | | | | | |
| BLK Blank | | 0.01 | <0.01 | <0.04 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.002 | <20 | <1 | 0.0 | <0.01 | 4 | <1 | <0.2 | <0.1 | |
| BLK Blank | | | | | | | | | | | | | | | | | | | | | |
| BLK Blank | | 0.02 | <0.01 | <0.04 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.002 | <20 | <1 | 0.0 | 0.02 | <1 | <1 | <0.2 | <0.1 | |
| BLK Blank | | <0.01 | <0.01 | <0.04 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.002 | <20 | <1 | 0.0 | <0.01 | <1 | 2 | <0.2 | <0.1 | |
| Prep Wash | | | | | | | | | | | | | | | | | | | | | |
| ROCK-VAN Prep Blank | | 70.92 | 13.91 | 3.51 | 0.82 | 2.52 | 4.33 | 2.06 | 0.36 | 0.10 | 0.09 | <0.002 | <20 | 7 | 1.2 | 99.84 | 797 | 2 | 4.3 | 0.6 | |
| ROCK-VAN Prep Blank | | | | | | | | | | | | | | | | | | | | | |
| ROCK-VAN Prep Blank | | 69.82 | 14.09 | 2.99 | 0.81 | 2.34 | 4.34 | 2.10 | 0.34 | 0.09 | 0.08 | <0.002 | <20 | 6 | 2.8 | 99.84 | 838 | 3 | 3.1 | 0.1 | |



QUALITY CONTROL REPORT

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| | | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 |
|------------------------|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Ga | Hf | Nb | Rb | Sn | Sr | Ta | Th | U | V | W | Zr | Y | La | Ce | Pr | Nd | Sm | Eu | Gd |
| | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | | 0.5 | 0.1 | 0.1 | 0.1 | 1 | 0.5 | 0.1 | 0.2 | 0.1 | 8 | 0.5 | 0.1 | 0.1 | 0.1 | 0.1 | 0.02 | 0.3 | 0.05 | 0.02 | 0.05 |
| STD SO-18 | Standard | 17.9 | 8.8 | 17.5 | 27.3 | 13 | 410.9 | 6.7 | 9.5 | 15.8 | 198 | 14.7 | 286.9 | 27.8 | 12.5 | 24.9 | 3.21 | 12.3 | 2.78 | 0.79 | 2.68 |
| STD SO-18 | Standard | 17.4 | 9.5 | 19.8 | 27.9 | 14 | 407.6 | 6.5 | 9.9 | 15.6 | 192 | 15.5 | 293.5 | 30.2 | 13.3 | 27.0 | 3.15 | 13.1 | 2.74 | 0.84 | 2.65 |
| STD SO-18 | Standard | 16.8 | 8.9 | 19.4 | 27.6 | 14 | 424.2 | 6.7 | 9.0 | 15.4 | 204 | 13.5 | 286.9 | 28.9 | 12.8 | 24.8 | 3.13 | 13.2 | 2.62 | 0.80 | 2.78 |
| STD SO-18 | Standard | 17.1 | 8.4 | 18.5 | 26.4 | 14 | 412.6 | 6.0 | 9.2 | 15.0 | 198 | 13.7 | 283.5 | 27.9 | 12.6 | 27.4 | 3.13 | 13.2 | 2.54 | 0.78 | 2.75 |
| STD SO-18 | Standard | 16.8 | 9.0 | 18.8 | 26.7 | 14 | 417.5 | 5.6 | 8.9 | 15.9 | 207 | 13.1 | 291.4 | 29.1 | 12.9 | 26.5 | 3.18 | 12.1 | 2.82 | 0.85 | 2.78 |
| STD GS311-1 Expected | | | | | | | | | | | | | | | | | | | | | |
| STD GS910-4 Expected | | | | | | | | | | | | | | | | | | | | | |
| STD DS10 Expected | | | | | | | | | | | | | | | | | | | | | |
| STD OREAS45EA Expected | | | | | | | | | | | | | | | | | | | | | |
| STD SO-18 Expected | | 17.6 | 9.8 | 19.3 | 28.7 | 15 | 407.4 | 7.4 | 9.9 | 16.4 | 200 | 14.8 | 290 | 29 | 12.3 | 27.1 | 3.45 | 14 | 3 | 0.89 | 2.93 |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | |
| BLK | Blank | <0.5 | <0.1 | <0.1 | <0.1 | <1 | <0.5 | <0.1 | <0.2 | <0.1 | <8 | <0.5 | 0.1 | <0.1 | <0.1 | <0.1 | <0.02 | <0.3 | <0.05 | <0.02 | <0.05 |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | |
| BLK | Blank | <0.5 | <0.1 | <0.1 | 0.1 | 1 | <0.5 | <0.1 | <0.2 | <0.1 | <8 | <0.5 | <0.1 | <0.1 | <0.1 | <0.1 | <0.02 | <0.3 | <0.05 | <0.02 | 0.10 |
| BLK | Blank | <0.5 | <0.1 | <0.1 | 0.1 | <1 | <0.5 | <0.1 | <0.2 | <0.1 | <8 | <0.5 | 0.2 | <0.1 | 0.4 | 0.4 | <0.02 | <0.3 | <0.05 | <0.02 | 0.06 |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | |
| BLK | Blank | <0.5 | <0.1 | <0.1 | <0.1 | <1 | <0.5 | <0.1 | <0.2 | <0.1 | <8 | <0.5 | 0.2 | <0.1 | 0.2 | <0.1 | <0.02 | <0.3 | <0.05 | <0.02 | <0.05 |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | |
| BLK | Blank | <0.5 | <0.1 | <0.1 | <0.1 | <1 | <0.5 | <0.1 | <0.2 | <0.1 | <8 | <0.5 | <0.1 | <0.1 | 0.3 | <0.1 | <0.02 | <0.3 | <0.05 | <0.02 | <0.05 |
| BLK | Blank | <0.5 | <0.1 | <0.1 | <0.1 | <1 | <0.5 | <0.1 | <0.2 | <0.1 | <8 | <0.5 | 0.1 | <0.1 | <0.1 | <0.1 | <0.02 | <0.3 | <0.05 | <0.02 | <0.05 |
| Prep Wash | | | | | | | | | | | | | | | | | | | | | |
| ROCK-VAN | Prep Blank | 12.9 | 3.4 | 6.3 | 36.7 | <1 | 216.4 | 0.2 | 2.6 | 1.1 | 43 | 0.7 | 131.0 | 16.5 | 14.4 | 25.5 | 3.08 | 11.4 | 2.59 | 0.63 | 2.62 |
| ROCK-VAN | Prep Blank | | | | | | | | | | | | | | | | | | | | |
| ROCK-VAN | Prep Blank | 12.0 | 3.5 | 5.2 | 38.3 | <1 | 229.9 | 0.2 | 2.8 | 1.3 | 39 | <0.5 | 126.6 | 16.5 | 13.3 | 24.6 | 2.86 | 11.6 | 2.31 | 0.74 | 2.47 |



QUALITY CONTROL REPORT

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| | | LF200 | LF200 | LF200 | LF200 | LF200 | LF200 | TC000 | TC000 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | | |
|------------------------|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|-------|-------|-------|-------|--------|-------|------|--|
| | | Tb | Dy | Ho | Er | Tm | Yb | Lu | TOT/C | TOT/S | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | Au | |
| | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppb | |
| STD SO-18 | Standard | 0.49 | 2.85 | 0.60 | 1.68 | 0.24 | 1.67 | 0.26 | | | | | | | | | | | | | | |
| STD SO-18 | Standard | 0.47 | 2.84 | 0.60 | 1.85 | 0.27 | 1.81 | 0.25 | | | | | | | | | | | | | | |
| STD SO-18 | Standard | 0.50 | 2.92 | 0.64 | 1.64 | 0.25 | 1.73 | 0.26 | | | | | | | | | | | | | | |
| STD SO-18 | Standard | 0.45 | 2.96 | 0.59 | 1.68 | 0.26 | 1.73 | 0.28 | | | | | | | | | | | | | | |
| STD SO-18 | Standard | 0.48 | 2.58 | 0.57 | 1.84 | 0.26 | 1.79 | 0.24 | | | | | | | | | | | | | | |
| STD GS311-1 Expected | | | | | | | | | 1.02 | 2.35 | | | | | | | | | | | | |
| STD GS910-4 Expected | | | | | | | | | 2.65 | 8.27 | | | | | | | | | | | | |
| STD DS10 Expected | | | | | | | | | | | 14.69 | 154.61 | 150.55 | 370 | 2.02 | 74.6 | 12.9 | 875 | 2.7188 | 43.7 | 91.9 | |
| STD OREAS45EA Expected | | | | | | | | | | | 1.39 | 709 | 14.3 | 28.9 | 0.26 | 381 | 52 | 400 | 23.51 | 9.1 | 53 | |
| STD SO-18 Expected | | 0.53 | 3 | 0.62 | 1.84 | 0.27 | 1.79 | 0.27 | | | | | | | | | | | | | | |
| BLK | Blank | | | | | | | | <0.02 | <0.02 | | | | | | | | | | | | |
| BLK | Blank | | | | | | | | <0.02 | <0.02 | | | | | | | | | | | | |
| BLK | Blank | | | | | | | | <0.02 | <0.02 | | | | | | | | | | | | |
| BLK | Blank | | | | | | | | <0.02 | <0.02 | | | | | | | | | | | | |
| BLK | Blank | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 | | | | | | | | | | | | | | |
| BLK | Blank | | | | | | | | | | <0.1 | 0.2 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.5 | |
| BLK | Blank | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 | | | | | | | | | | | | | | |
| BLK | Blank | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 | | | | | | | | | | | | | | |
| BLK | Blank | | | | | | | | | | <0.1 | 0.2 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.5 | |
| BLK | Blank | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 | | | <0.1 | 0.2 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.5 | |
| BLK | Blank | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 | | | <0.1 | 0.2 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.5 | |
| BLK | Blank | | | | | | | | | | <0.1 | 0.2 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.5 | |
| BLK | Blank | | | | | | | | | | <0.1 | <0.1 | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <1 | <0.01 | <0.5 | <0.5 | |
| BLK | Blank | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 | | | | | | | | | | | | | | |
| BLK | Blank | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 | | | | | | | | | | | | | | |
| Prep Wash | | | | | | | | | | | | | | | | | | | | | | |
| ROCK-VAN | Prep Blank | 0.44 | 2.68 | 0.55 | 1.84 | 0.28 | 2.15 | 0.34 | 0.04 | <0.02 | 0.5 | 2.1 | 1.2 | 28 | <0.1 | 1.1 | 3.9 | 461 | 1.85 | 1.2 | 0.9 | |
| ROCK-VAN | Prep Blank | | | | | | | | 0.52 | <0.02 | 0.4 | 2.5 | 1.2 | 31 | <0.1 | 1.0 | 3.9 | 445 | 1.74 | 1.3 | <0.5 | |
| ROCK-VAN | Prep Blank | 0.43 | 2.58 | 0.58 | 1.71 | 0.29 | 1.88 | 0.34 | | | | | | | | | | | | | | |



QUALITY CONTROL REPORT

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| | | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 | |
|------------------------|------------|-------|-------|-------|-------|-------|-------|--------|--------|-------|-------|-------|-------|--------|-------|--------|--------|-------|-------|-------|-------|--|
| | | Th | Sr | Cd | Sb | Bi | V | Ca | P | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Hg | Sc | |
| | | ppm | ppm | ppm | ppm | ppm | ppm | % | % | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | |
| | | 0.1 | 1 | 0.1 | 0.1 | 0.1 | 2 | 0.01 | 0.001 | 1 | 1 | 0.01 | 1 | 0.001 | 20 | 0.01 | 0.001 | 0.01 | 0.1 | 0.01 | 0.1 | |
| STD SO-18 | Standard | | | | | | | | | | | | | | | | | | | | | |
| STD SO-18 | Standard | | | | | | | | | | | | | | | | | | | | | |
| STD SO-18 | Standard | | | | | | | | | | | | | | | | | | | | | |
| STD SO-18 | Standard | | | | | | | | | | | | | | | | | | | | | |
| STD SO-18 | Standard | | | | | | | | | | | | | | | | | | | | | |
| STD GS311-1 Expected | | | | | | | | | | | | | | | | | | | | | | |
| STD GS910-4 Expected | | | | | | | | | | | | | | | | | | | | | | |
| STD DS10 Expected | | 7.5 | 67.1 | 2.49 | 8.23 | 11.65 | 43 | 1.0625 | 0.073 | 17.5 | 54.6 | 0.775 | 359 | 0.0817 | | 1.0259 | 0.067 | 0.338 | 3.32 | 0.3 | 2.8 | |
| STD OREAS45EA Expected | | 10.7 | 3.5 | 0.02 | 0.2 | 0.26 | 303 | 0.036 | 0.029 | 6.57 | 849 | 0.095 | 148 | 0.0875 | | 3.13 | 0.02 | 0.053 | | | 78 | |
| STD SO-18 Expected | | | | | | | | | | | | | | | | | | | | | | |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | | |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | | |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | | |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | | |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | | |
| BLK | Blank | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 | <0.001 | <1 | <1 | <0.01 | <1 | <0.001 | <20 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | 0.1 | |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | | |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | | |
| BLK | Blank | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 | <0.001 | <1 | <1 | <0.01 | <1 | <0.001 | <20 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | 0.1 | |
| BLK | Blank | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 | <0.001 | <1 | <1 | <0.01 | <1 | <0.001 | <20 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | 0.1 | |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | | |
| BLK | Blank | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 | <0.001 | <1 | <1 | <0.01 | <1 | <0.001 | <20 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | 0.1 | |
| BLK | Blank | <0.1 | <1 | <0.1 | <0.1 | <0.1 | <2 | <0.01 | <0.001 | <1 | <1 | <0.01 | <1 | <0.001 | <20 | <0.01 | <0.001 | <0.01 | <0.1 | <0.01 | <0.1 | |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | | |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | | |
| Prep Wash | | | | | | | | | | | | | | | | | | | | | | |
| ROCK-VAN | Prep Blank | 2.2 | 23 | <0.1 | <0.1 | <0.1 | 21 | 0.55 | 0.046 | 5 | 3 | 0.42 | 54 | 0.060 | <20 | 0.88 | 0.088 | 0.09 | <0.1 | <0.01 | 2.3 | |
| ROCK-VAN | Prep Blank | 2.2 | 23 | <0.1 | <0.1 | <0.1 | 19 | 0.47 | 0.043 | 5 | 3 | 0.41 | 63 | 0.056 | <20 | 0.84 | 0.091 | 0.09 | <0.1 | <0.01 | 2.3 | |
| ROCK-VAN | Prep Blank | | | | | | | | | | | | | | | | | | | | | |



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Ottawa ON K1A 0E8 CANADA

Project: Cordillera
Report Date: March 17, 2015

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Part: 5 of 5

QUALITY CONTROL REPORT

VAN15000428.1

| | | AQ200 | AQ200 | AQ200 | AQ200 | AQ200 |
|------------------------|------------|-------|-------|-------|-------|-------|
| | | Tl | S | Ga | Se | Te |
| | | ppm | % | ppm | ppm | ppm |
| | | 0.1 | 0.05 | 1 | 0.5 | 0.2 |
| STD SO-18 | Standard | | | | | |
| STD SO-18 | Standard | | | | | |
| STD SO-18 | Standard | | | | | |
| STD SO-18 | Standard | | | | | |
| STD SO-18 | Standard | | | | | |
| STD GS311-1 Expected | | | | | | |
| STD GS910-4 Expected | | | | | | |
| STD DS10 Expected | | 5.1 | 0.29 | 4.3 | 2.3 | 5.01 |
| STD OREAS45EA Expected | | 0.072 | 0.036 | 11.7 | 0.6 | 0.07 |
| STD SO-18 Expected | | | | | | |
| BLK | Blank | | | | | |
| BLK | Blank | | | | | |
| BLK | Blank | | | | | |
| BLK | Blank | | | | | |
| BLK | Blank | | | | | |
| BLK | Blank | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | | | | | |
| BLK | Blank | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | | | | | |
| BLK | Blank | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | <0.1 | <0.05 | <1 | <0.5 | <0.2 |
| BLK | Blank | | | | | |
| BLK | Blank | | | | | |
| Prep Wash | | | | | | |
| ROCK-VAN | Prep Blank | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| ROCK-VAN | Prep Blank | <0.1 | <0.05 | 3 | <0.5 | <0.2 |
| ROCK-VAN | Prep Blank | | | | | |