



SERENGETI
RESOURCES INC.

ASSESSMENT REPORT

including

Ah and B Soil Sampling

on the

Hazel PROPERTY

CARIBOO MINING DIVISION,

British Columbia

NTS: 93A

Latitude 52°49' N, Longitude 121°55' W

Prepared for Operators:

SERENGETI RESOURCES INC

500-602 West Hastings Street

Vancouver, BC, Canada V6B 1P2

+

FJORDLAND EXPLORATION INC.

510 – 510 Burrard Street

Vancouver, B.C., Canada V6C 3A8

By:

H.R. SAMSON,

B.Sc.,

30 Nov, 2010

Vancouver, B.C.

Table of Contents

| | |
|--|----|
| List of Tables | 2 |
| List of Figures..... | 2 |
| List of Appendix..... | 3 |
| (1) Introduction and Terms of Reference | 3 |
| (2) Property Description and Location..... | 3 |
| (3) Accessibility, Local Resources, Infrastructure, Climate and Physiography | 6 |
| (4) History | 6 |
| (5) Geology..... | 6 |
| (6) Sample Collection Methodology | 7 |
| (7) Results | 13 |
| (8) Summary and Recommendations | 18 |
| (9) References..... | 19 |

List of Tables

Table 1 – Detailed Claim Information

List of Figures

Figure 1 – Hazel Property General Location

Figure 2 – Hazel Property Claims

Figure 3 – Hazel Project on BCGS Bedrock Geology Map

Figure 4 – Hazel Project with Quaternary Cover

Figure 5 – Hazel Project with Regional Aeromagnetics

Figure 6 – 2010 Soil Lines over Aeromagnetics

Figure 7 – Hazel Project: Ag Ah Samples

Figure 8 – Hazel Project: Ag B Samples

Figure 9 – Hazel Project: Cu Ah Samples

Figure 10 – Hazel Project: Cu B Samples

List of Appendix

Appendix A - Expenditure Statement

Appendix B - Geologist's Certificate

Appendix C - Field Notes

Appendix D – Maps of Sample Locations and Results

Appendix E - Analytical Certificates and Procedures

(1) Introduction and Terms of Reference

Serengeti Resources Inc. (Serengeti) and Fjordland Exploration Inc. (Fjordland) acquired the Hazel claims by staking in October 2009. The Hazel claims were acquired because they were an unexplored covered target close to Imperial Metals Mount Polley Mine. The property lies in the prospective Quesnel Trough, 7.5 km southeast of the operating Mount Polley Mine. In order to follow up and refine Cu+/-Au porphyry targets on the property Serengeti financed a \$5,355 geochemical survey (Appendix A). On June 24th, 2010, a field crew working for Serengeti visited the Hazel property and collected 56 Ah-soil samples and 59 B-soil samples.

(2) Property Description and Location

The Hazel property is 100% owned by the Quest Joint Venture (current ownership – 59% Serengeti/41% Fjordland). It is located in the Cariboo Mining Division of central British Columbia, Canada, 57 km northeast of Williams Lake, at 52° 49' north latitude and 121° 55' west longitude (Figure 1). The two (2) contiguous mineral claims which comprise the Hazel property cover an area of 511.82 hectares (Figure 2). Additional information regarding the individual claims can be referenced in Table 1.

Table 1. Claim Data

| Project | Tenure Number | Claim Name | Area (ha) | Good To Date | Issue Date | Map Number | Owner |
|---------|---------------|--------------|-----------|--------------|-------------|------------|---------|
| Hazel | 646744 | P5 | 492.1300 | 2013/May/31 | 2009/Oct/04 | 93A | SIR/FEX |
| Hazel | 834450 | | 19.6900 | 2011/Sep/28 | 2010/Sep/28 | 93A | SIR/FEX |
| | | Total | 511.8200 | | | | |

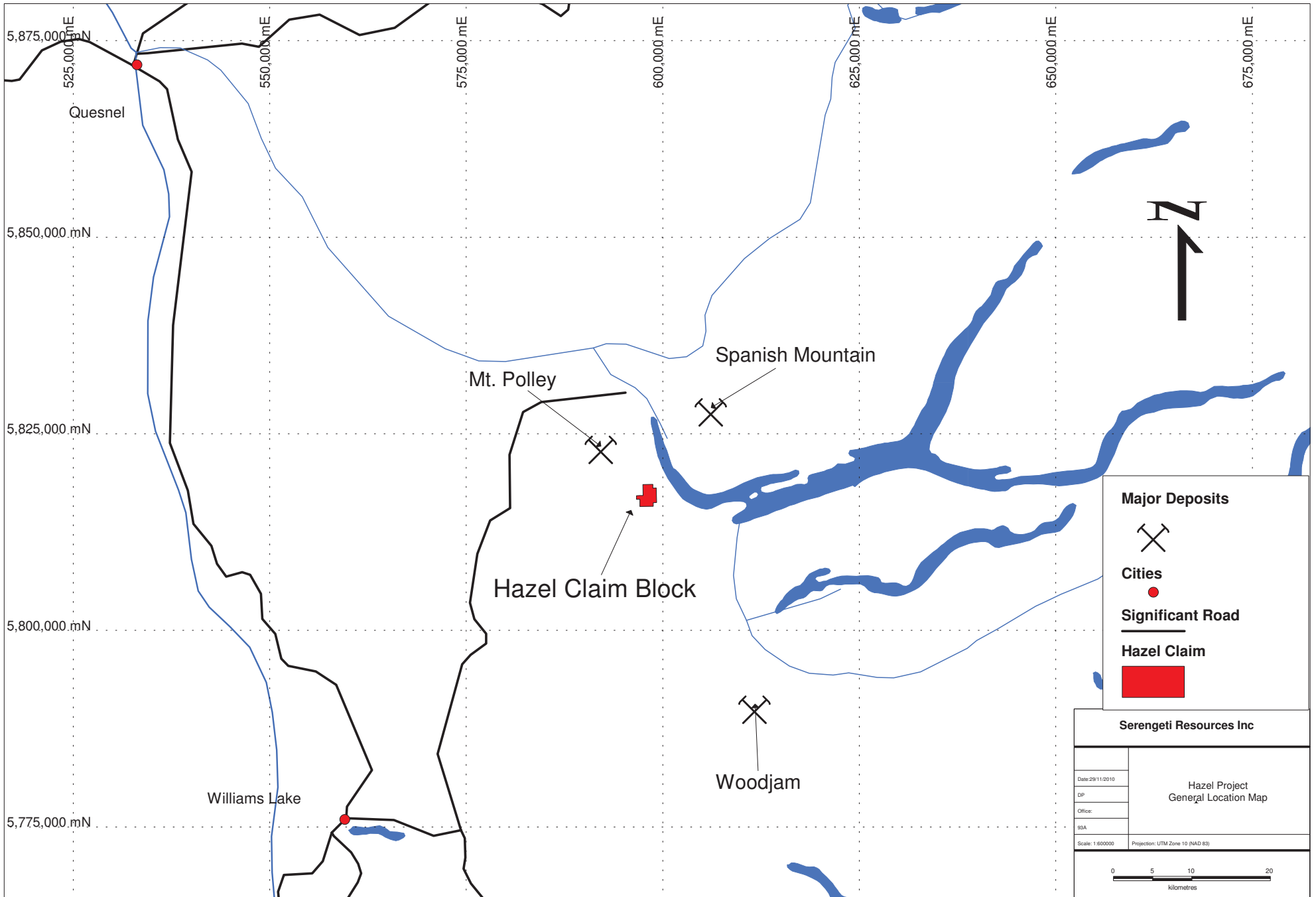


Figure 1.

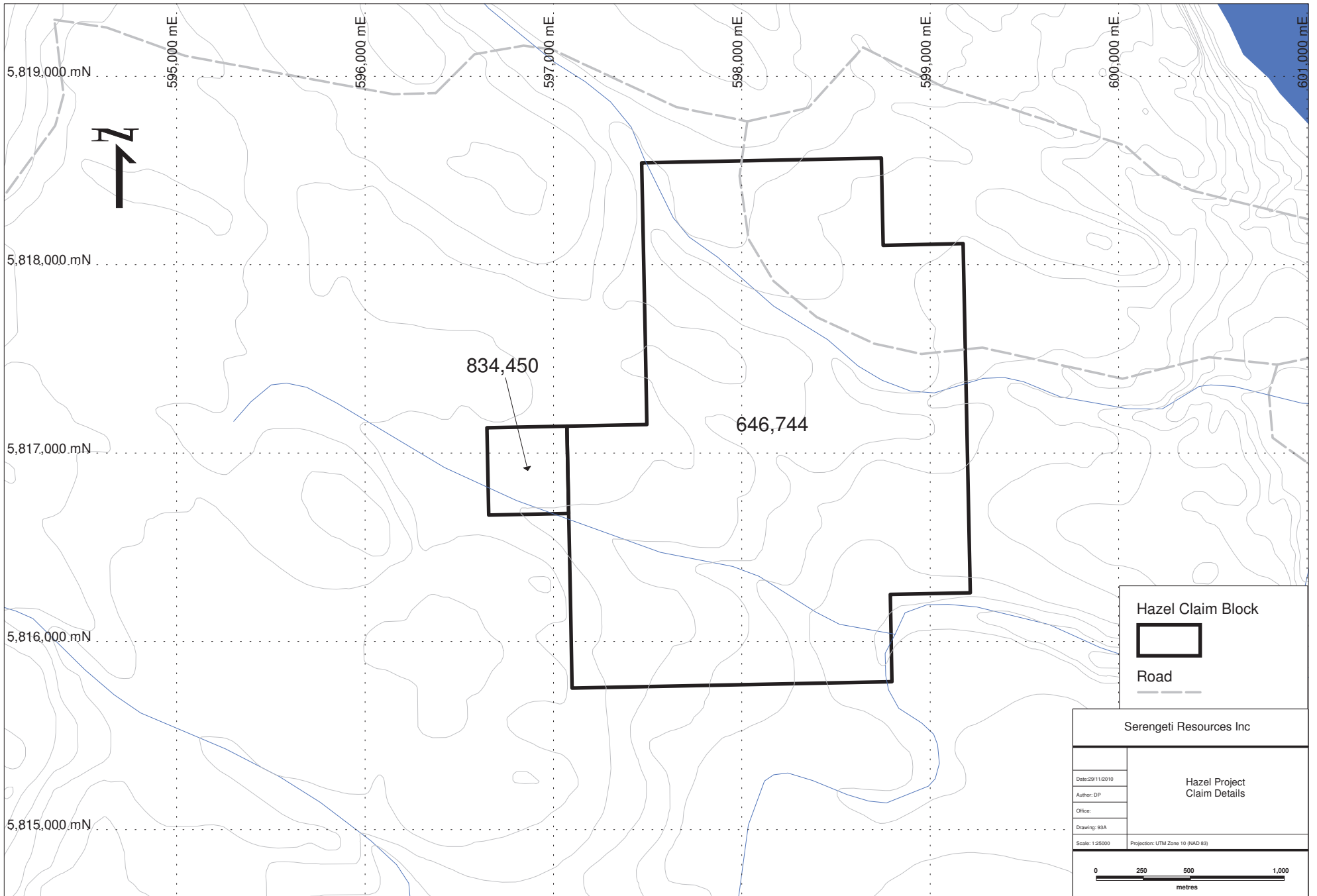


Figure 2.

(3) Accessibility, Local Resources, Infrastructure, Climate and Physiography

Access to the property is via Likely Rd north east for 90 kilometres and then 15 kilometres south along an extensive network of forestry roads that allow access to most of the property. Relief is approximately 800m. Vegetation consists of thick stands of spruce and balsam.

The climate of region is typical of middle latitudes in Canada as the winters are cold (-5 to -25 deg Celsius) and summers are warm (20-25 degrees Celsius). Topography is characterized by moderate relief and is covered by extensive glacial-fluvial overburden. The vegetation on the property is best characterized by the presence of pine, fir forests with cedar in low lying areas and near streams.

(4) History

The Hazel property saw exploration activity in 1985 when Allure Resources performed a 250m reconnaissance soil sampling program (AR 13736). Results included anomalous cobalt, zinc, and copper and gold values up to 105 ppb. 7.5km to the north, the Mount Polley mine is still in operation.

(5) Geology

Regional Geology:

The Hazel Property (Figure 3) lies within the early Mesozoic-aged Quesnel Trough, a large regional depositional feature extending 2000 kilometres from the U.S. border in the south to the Stikine River in the north. The Quesnel Trough assemblage hosts numerous deposits of porphyry gold-copper style mineralization generally related to dioritic or monzonitic sub-volcanic intrusive bodies (Barr, et al., 1976) including the Mount Polley, Quesnel River (QR), and Mt Milligan deposits.

The Quesnel Trough includes equivalent rocks of the Upper Triassic to Lower Jurassic, Takla, Nicola and Stuhini groups consisting of sediments and volcanic assemblages intruded by coeval and comagmatic plutons (Mortimer, 1986). The volcanic assemblages have a wide range of chemical compositions including alkalic, sub-alkalic and calc-alkalic rocks.

Property Geology:

The Hazel Property is mostly covered by Quaternary glacial tills (Figure 4). Miocene to Pleistocene Chilcotin Group basalts are found west of the property and Upper Triassic Nicola Group basalts are found in the northeast and south west portions of the claim block (Figure 3). Early Jurassic syenitic to monzanitic intrusives occur as plugs outside of the claim block. Further to the north, the same intrusives make up the Polley stock which hosts the Mt. Polley deposit. On the southeastern boundary of the claim block Eocene Kamloops group calc-alkaline volcanics intrude Nicola basalts. Due to volcanic and more recent glacial cover, the potential for underlying “Mt. Polley – type” intrusives hosting porphyry-type mineralization is a possibility. The regional aeromagnetics (Figure 5) show that there is a large NW trending magnetic high and the Hazel claim lies within this trend.

(6) Sample Collection Methodology

In order to test for the geochemical signature of a covered mineral deposit, a total of 56 Ah horizon and 57 B horizon samples were collected from the Hazel property. An attempt to collect pH samples was also made but the required Ae-horizon was absent in most sample locations. Each sample type was collected at 100 m spaced intervals along 3 parallel NE trending lines (Figure 6).

Sample Collection

Ah and B samples were collected by geologists and field technicians in accordance with guidelines for sampling outlined by David Heberlein in his Geoscience BC Report 2010-03. The procedure was as follows: Prior to collecting the samples, sampling equipment was brushed to eliminate residue from previous samples and was flushed with soils from the new sample area.

At each site, 50 by 50 centimetre hole was excavated down to the B horizon to expose the complete soil profile. Parameters recorded included colour, texture, dampness, and slope. Ah samples were collected from several spots around the sample site so as to ensure they were not contaminated with material from other soil horizons. Sampling was done by hand and with a small garden trowel by peeling back the top layer of moss and leaf litter as to expose the black decomposing material at the mineral soil interface. Approximately 400 grams of material was placed in a Kraft waterproofed paper sample bag to allow it to breathe and to prevent decomposition prior to arrival at the laboratory.

B horizon samples were collected in the same way. Material was taken from the sides of the hole using a garden trowel and rock fragments were removed by hand. Approximately 400 grams of material was placed into a Kraft sample bag.



Figure 3.



Figure 4.

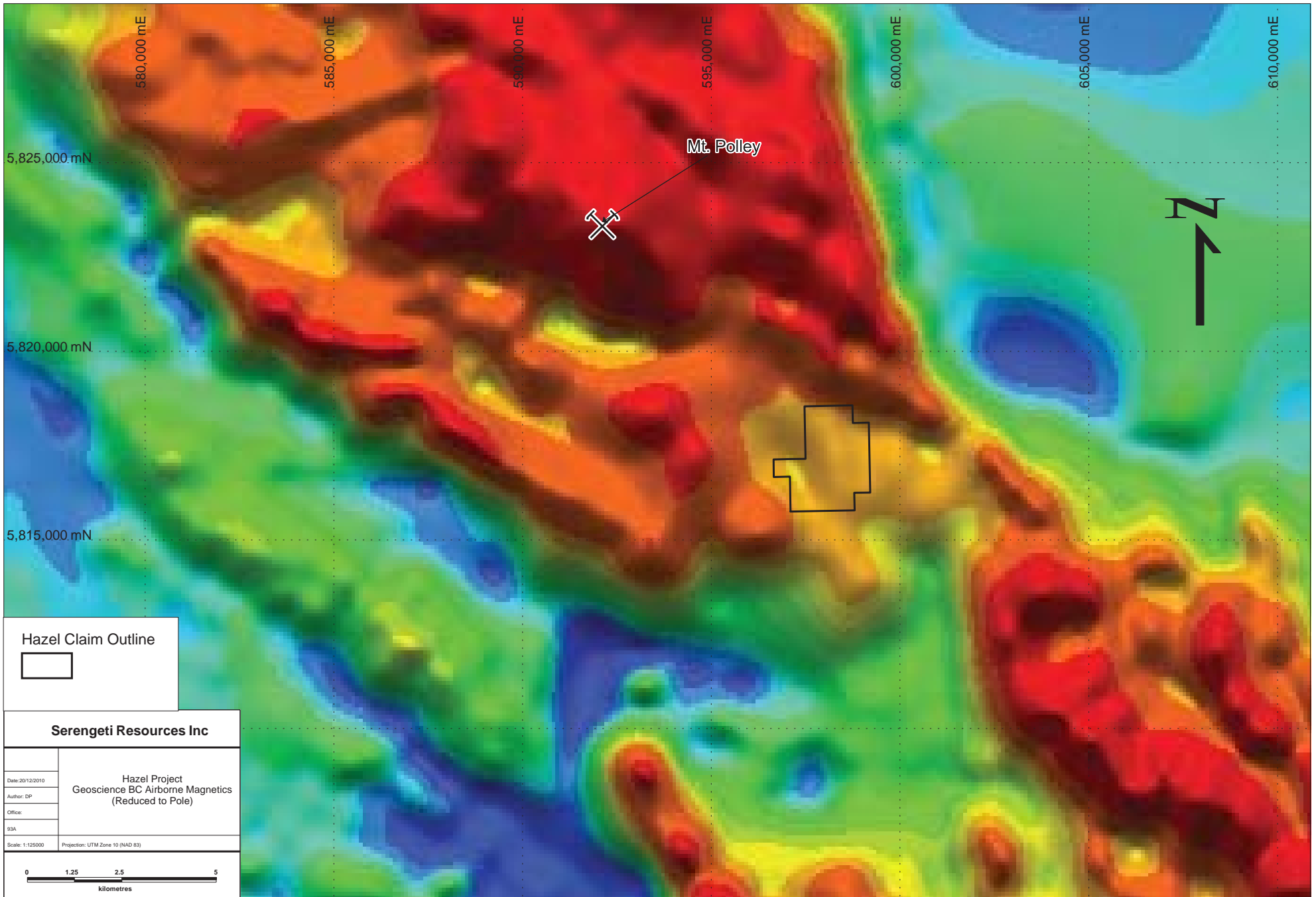


Figure 5.

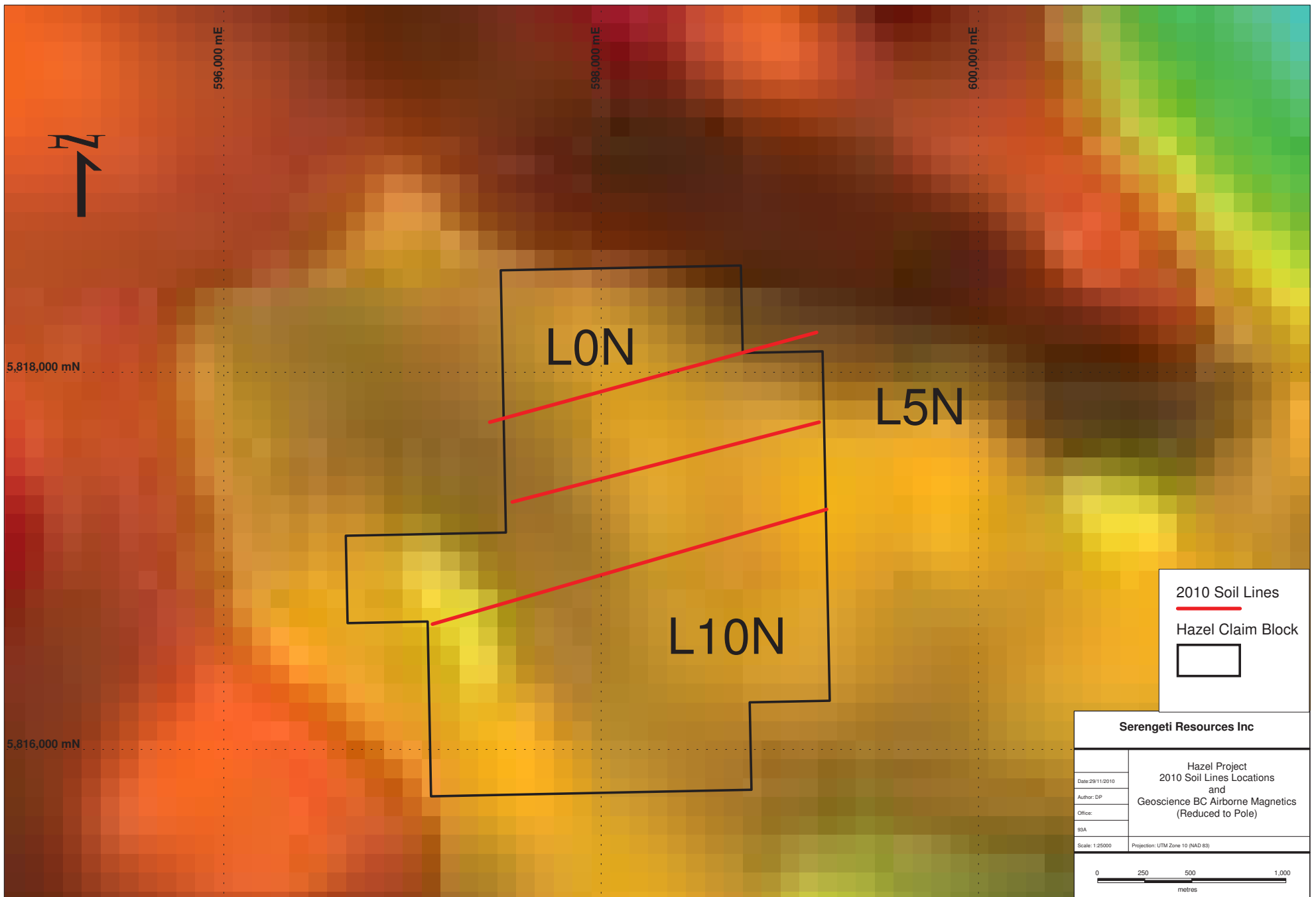


Figure 6.

During sample collection and handling, no jewellery (watches, rings, bracelets, and chains) were worn so as to avoid potential contamination.

The method for analysis of Ah samples is outlined by David Heberlein in his Geoscience BC Report 2010-03. The first step is to level the data based upon hydromorphic environments. The environments were divided into hilltop, mid slope, break in slope, bottom of hill, and bog. Within these populations, response ratios (RR) were calculated. The response ratio is the normalization of the data relative to local geochemical background. The background value is calculated by averaging the first quartile of data, and then by dividing all the results by the average of the first quartile. This method will give a response ratio, relative to the geochemical background. B samples were not divided into different hydromorphic environments but the same procedure was used for calculating response ratios.

Sample Shipment and Analysis

The soil samples were packaged by the field staff on site and shipped via a local expediting company Acme Labs in Vancouver, British Columbia. Samples were air dried at 35 °C to 40 °C and milled prior to leaching with sodium pyrophosphate and digested with aqua regia. Acme Labs modified aqua regia digestion (Acme Code 1F05) utilizes a 1:1:1 HCl:HNO₃:H₂O combination to achieve ultra low detection limits for 53 elements.

Analytical results for all samples collected are shown in the Certificates of Analysis in Appendix E.

(6) Results

The 2010 soil sampling program consisted of 3 NE trending lines spaced 500m apart. The survey demonstrated the presence of a region of anomalous copper and silver values and was confirmed in both Ah and B samples (Figs 7-10). This region occurs in the middle of the property along L0N and extends for 800m along the line. Silver values within this anomaly average 1 g/t but a single anomalous sample on L10N is 2.3 g/t. Within this silver anomaly, copper values reach up to 129.88 ppm with response ratios upwards of 9. There is also another region of copper anomalism along L5N with values up to 127.79 ppm. The anomalous values encountered in this survey are found within regions covered with Quaternary tills. The Hazel claim sits on the edge of a large magnetic high. The presence of copper and silver anomalies as well as the geophysical characteristics indicates the possibility of underlying porphyry-type mineralization.

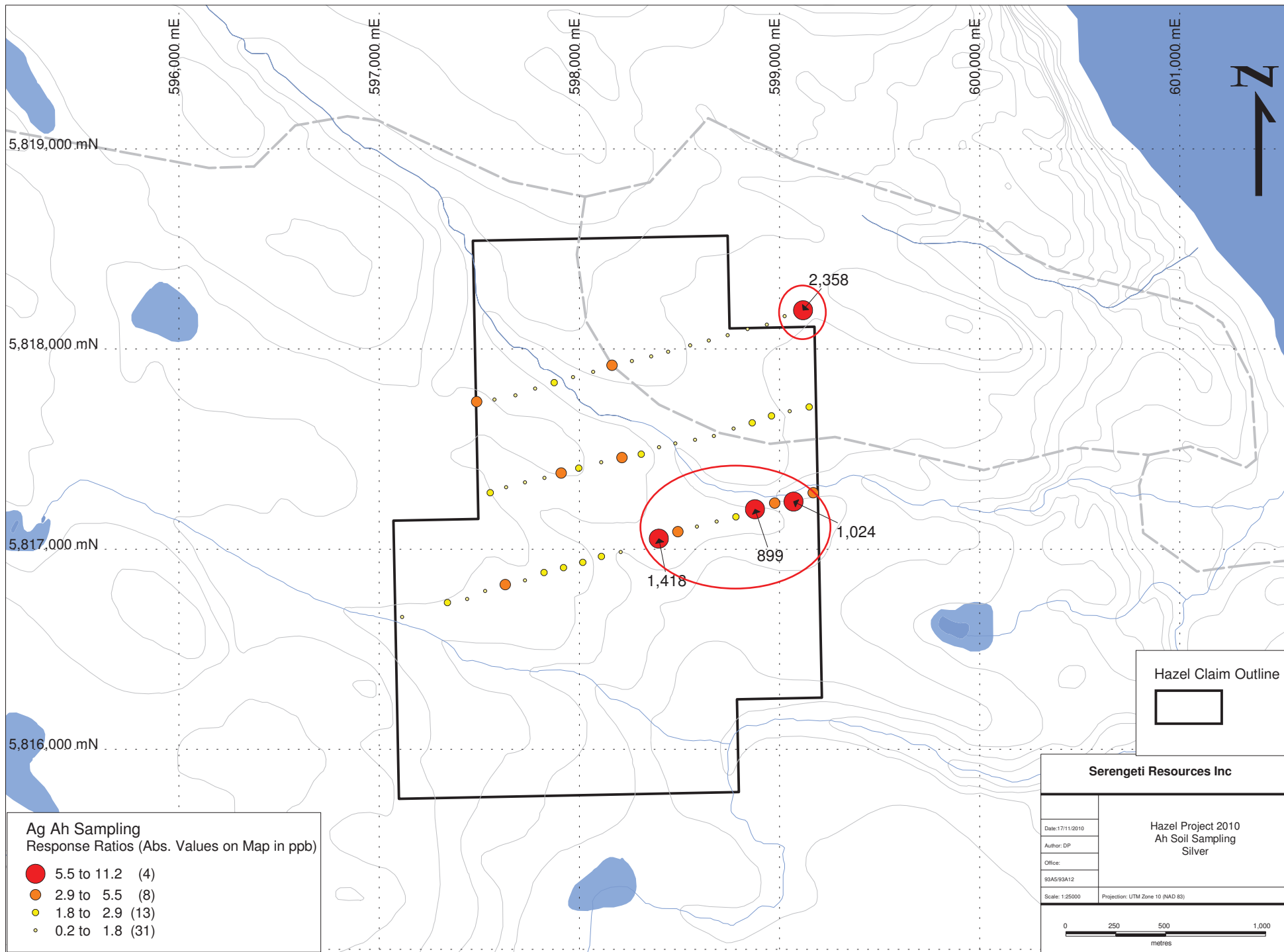


Figure 7.

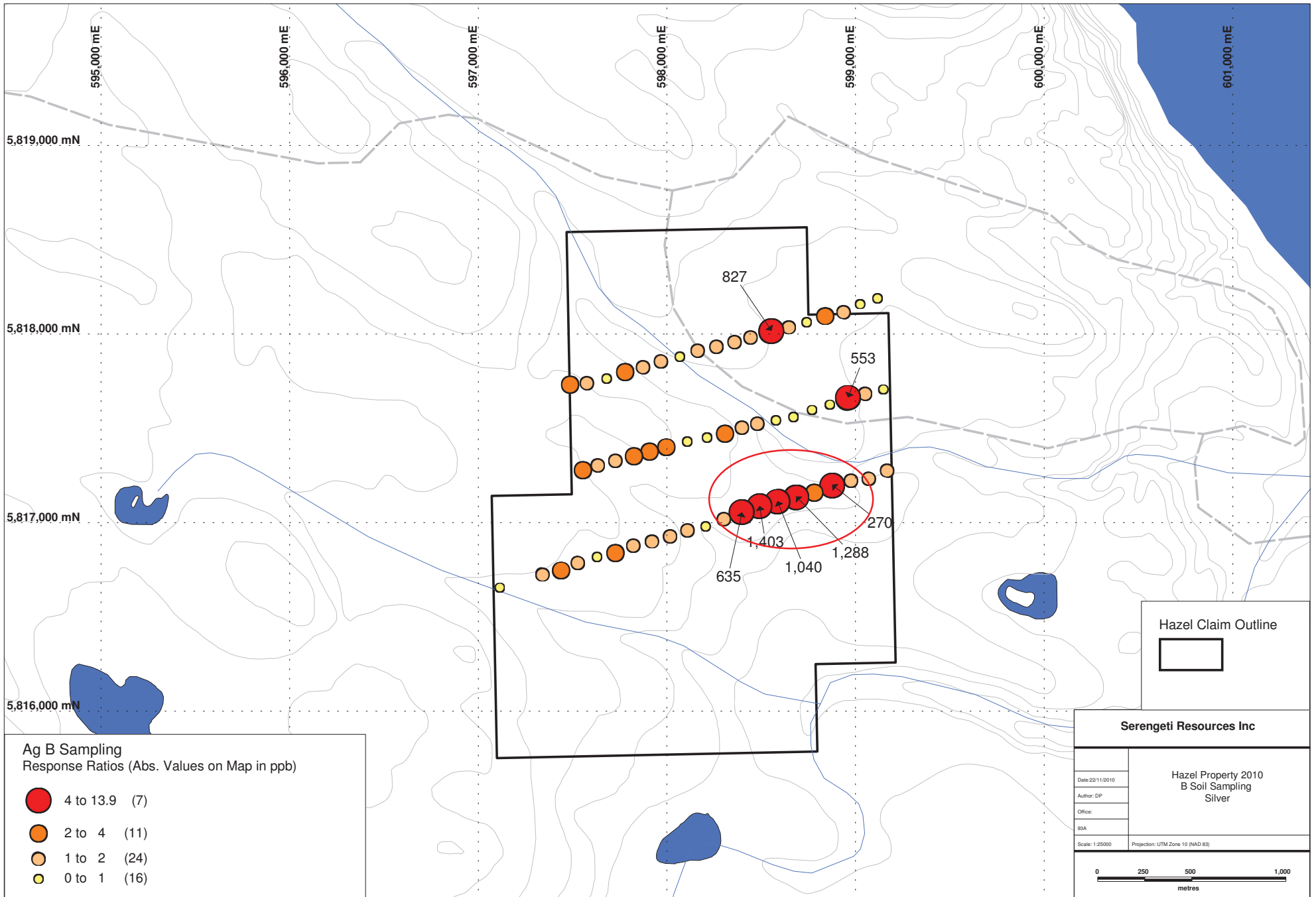


Figure 8.

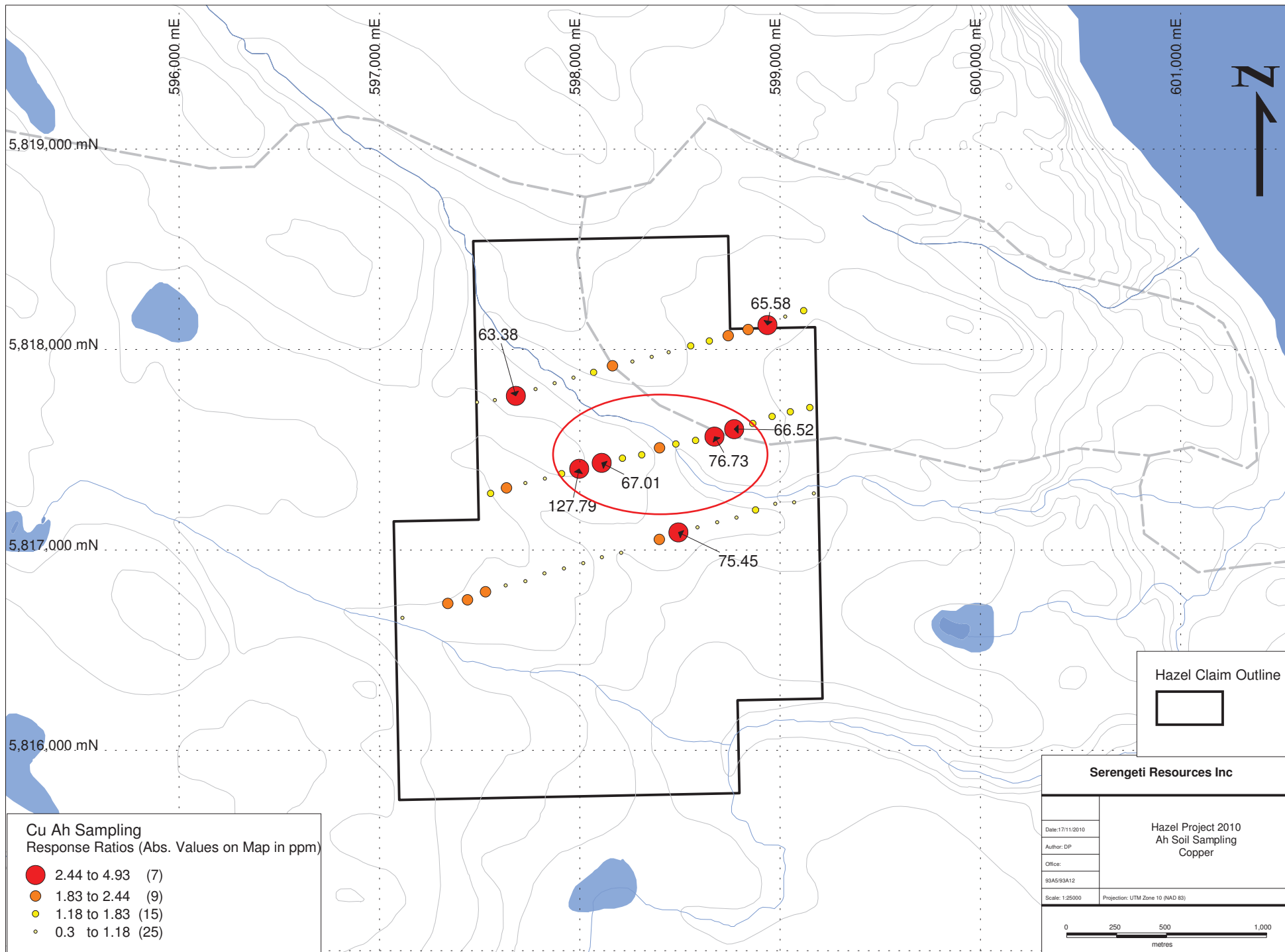


Figure 9.

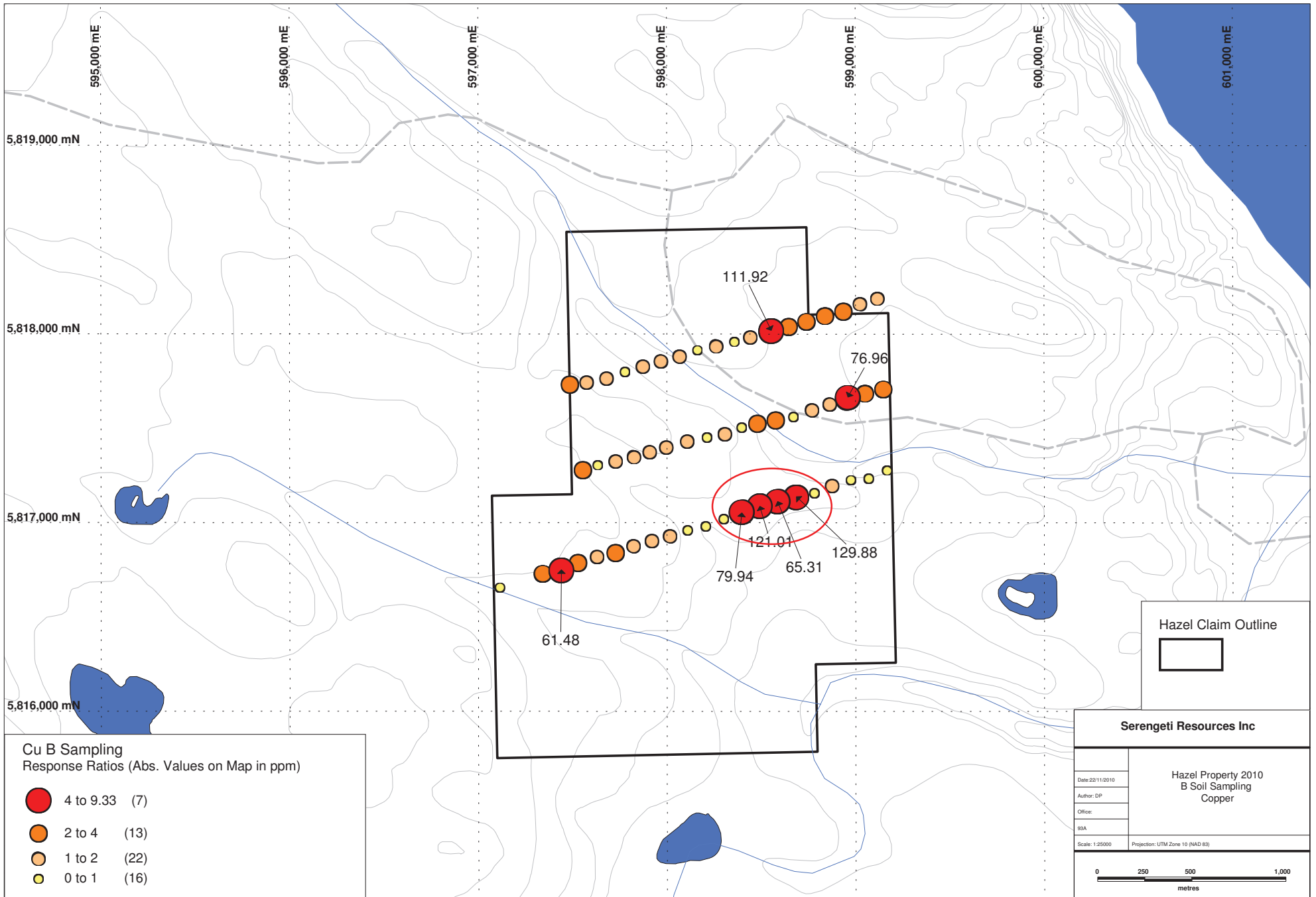


Figure 10.

(7) Summary and Recommendations

Preliminary soil sampling confirmed the regions potential with anomalous copper and silver values. Further soil sampling and IP would help to further explore the potential of this covered property.

The following work is recommended:

- Prospecting within creeks on the property to map underlying bedrock (if possible).
- Another soil transect to the south and parallel to L0N as to cover the southern part of the property. Also 3 wide spaced lines perpendicular to the existing soil lines as to determine the N-S extent of the copper-silver anomaly.
- Soil lines should be tested with an IP survey as to constrain and understand the nature of the soil anomaly.

References

Barr, D.A., Fox, P .E., Northcote, K.E. and Preto, V.A. (1976): The Alkaline Suite Porphyry Deposits -A Summary; in Porphyry Deposits of the Canadian Cordillera, Sutherland Brown, A. Editor, *Canadian Institute of Mining and Metallurgy*, Special Volume 15, pages 359-367.

Heberlein, D.R. and Samson, H. (2010): An Assessment of Soil Geochemical Methods for Detecting Copper-Gold Porphyry Mineralization through Quaternary Glaciofluvial Sediments at the Kwanika Central Zone, North-Central British Columbia (NTS 93N); *Geoscience BC*, Contribution Number GBC 2010-03.

Mortimer, N. (1986): Late Triassic, arc-related, potassic igneous rocks in the North American Cordillera, *Geology*, Vol 14(12): 1035-1038.

Appendix A – Expenditure Statement

| Hazel Property - 2010 Geochemical Survey Cost Statement | | | |
|--|---------------------|----------------------|--------------------|
| <i>Crew Costs:</i> | | | |
| Geologist | | 1 day @ \$275 | \$ 275.00 |
| Samplers (2) | | 2 days @ \$225 | \$ 450.00 |
| Room and board | | 6 man days @ \$150 | \$ 900.00 |
| Truck Rental | | 1 day @ \$150 | \$ 150.00 |
| Fuel and Field Supplies | | | \$ 150.00 |
| <i>Analysis of Soil Geochem:</i> | | | |
| Ah Analysis | | 56 Samples @ \$30.00 | \$ 1,680.00 |
| B Analysis | | 59 samples @ \$25.00 | \$ 1,475.00 |
| <i>Reporting:</i> | | | |
| Assessment Report | | 1 day @ \$275/day | \$ 275.00 |
| | | | |
| | | | Total |
| | | | \$ 5,355.00 |
| Claims Worked - | 646744 | | |
| Date of Work Completed | June 24/2010 | | |

Appendix B – Geologist’s Certificate

GEOLOGIST’S CERTIFICATE

I, Hugh R. Samson of #2-1585 West 13th Avenue, Vancouver, in the province of British Columbia, DO HEREBY CERTIFY:

1. THAT I am Serengeti Resources Inc.’s Project Geologist.
2. THAT I am a 2005 graduate of Dalhousie University with an Honours BSc.
3. THAT I have practised in the field of Geosciences since my graduation from University.
4. THAT this report is based on fieldwork carried out on June 24th, 2010, by geological staff and personnel of Serengeti Resources Inc
5. THAT this report was written by myself under the supervision and direction of David W. Moore, President and CEO of Serengeti Resources Inc. and a Professional Geoscientist (P. Geo) registered and in good standing with the Association of Professional Engineers and Geoscientists of the Province of British Columbia (#28163).

DATED at Vancouver, British Columbia this 16th day of December, 2010.

Hugh R. Samson, B.Sc.

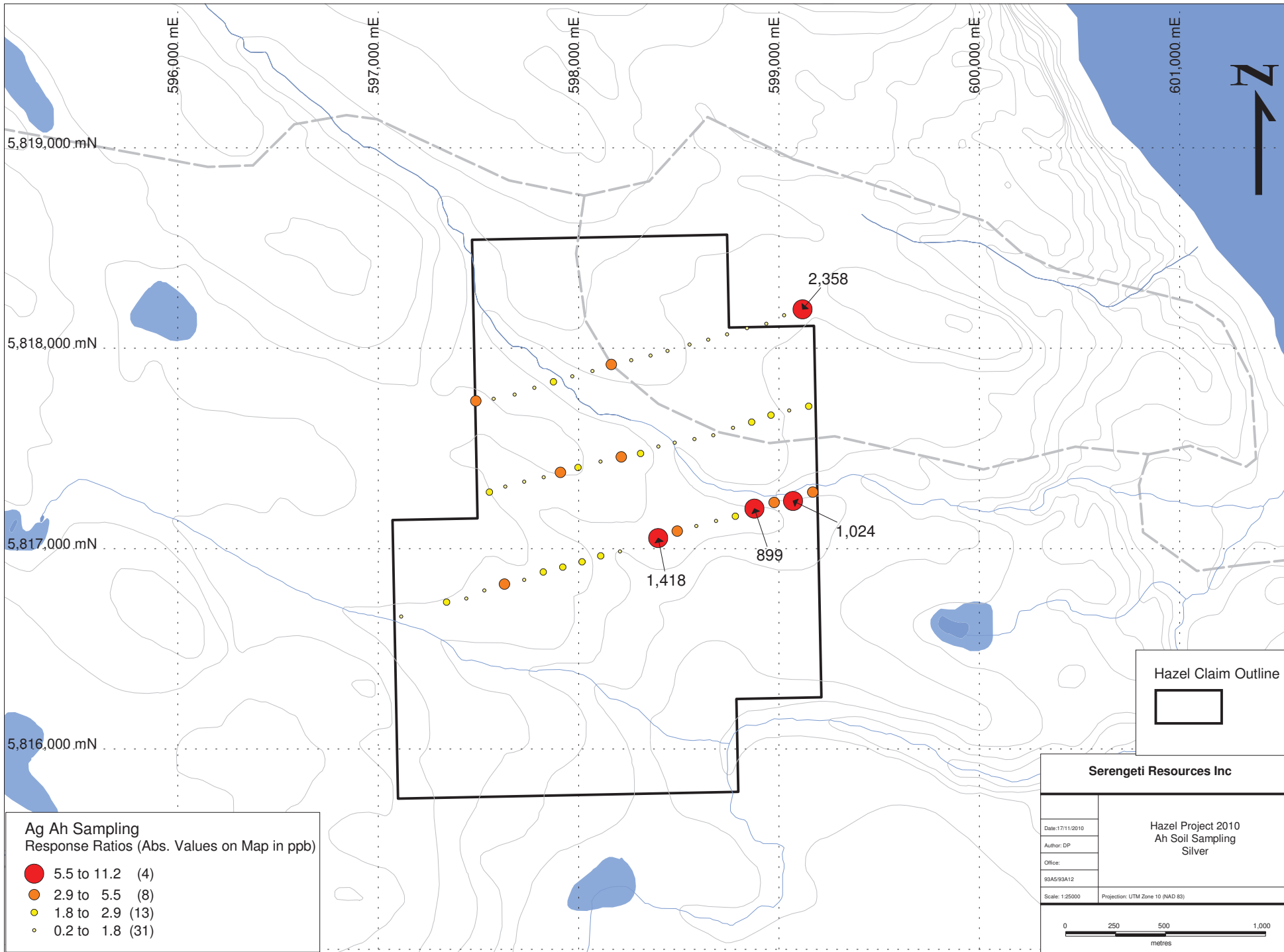
David W. Moore, P. Geo

Appendix C – Field Notes

| FIELD NUMBER | Easting | Northing | Colour | Depth | Moisture | Slope | Texture | Date | Sampler | Notes |
|--------------|---------|----------|-------------|--------|----------|-------|----------|--------|---------|---|
| H-A-L0N-0 | 599168 | 5817282 | med brown | 5cm | | 2 | 2 coarse | 23-Jun | JS | |
| H-A-L0N-100 | 599070 | 5817238 | brown | 5cm | | 2 | 2 fluffy | 23-Jun | JS | |
| H-A-L0N-200 | 598976 | 5817230 | brown | <5cm | | 2 | 2 fluffy | 23-Jun | JS | |
| H-A-L0N-300 | 598877 | 5817200 | brown | 5cm | | 1 | 2 fluffy | 23-Jun | JS | |
| H-A-L0N-400 | 598782 | 5817162 | med brown | 5cm | | 1 | 3 fluffy | 23-Jun | JS | |
| H-A-L0N-500 | 598686 | 5817138 | brown | 5cm | | 1 | 3 fluffy | 23-Jun | JS | |
| H-A-L0N-600 | 598587 | 5817113 | brown | <5cm | | 2 | 3 coarse | 23-Jun | JS | |
| H-A-L0N-700 | 598492 | 5817087 | black | 5-10cm | | 2 | 3 silty | 23-Jun | JS | |
| H-A-L0N-800 | 598397 | 5817053 | black | 5-10cm | | 3 | 3 silty | 23-Jun | JS | |
| H-A-L0N-1000 | 598206 | 5816986 | brown | 5cm | | 1 | 3 fluffy | 23-Jun | JS | |
| H-A-L0N-1100 | 598110 | 5816964 | brown | 5cm | | 1 | 3 fluffy | 23-Jun | JS | |
| H-A-L0N-1200 | 598017 | 5816934 | brown | 5cm | | 1 | 3 silty | 23-Jun | JS | |
| H-A-L0N-1300 | 597921 | 5816908 | brown | 5-10cm | | 2 | 3 fluffy | 23-Jun | JS | |
| H-A-L0N-1400 | 597823 | 5816883 | brown | 5cm | | 1 | 2 fluffy | 23-Jun | JS | |
| H-A-L0N-1500 | 597728 | 5816844 | brown | <5cm | | 1 | 3 fluffy | 23-Jun | JS | |
| H-A-L0N-1600 | 597630 | 5816823 | brown | 5cm | | 1 | 3 fluffy | 23-Jun | JS | |
| H-A-L0N-1700 | 597529 | 5816791 | dark brown | 5cm | | 1 | 3 fluffy | 23-Jun | JS | |
| H-A-L0N-1800 | 597440 | 5816751 | dark brown | <5cm | | 1 | 3 fluffy | 23-Jun | JS | |
| H-A-L0N-1900 | 597341 | 5816733 | dark brown | 5cm | | 1 | 2 silty | 23-Jun | JS | |
| H-A-L0N-2100 | 597115 | 5816661 | brown | <5cm | | 2 | 3 silty | 23-Jun | JS | |
| H-A-L5N-0 | 599148 | 5817711 | dark black | 6cm | | 3 | 2 silty | 23-Jun | ds | spruce with poplar |
| H-A-L5N-100 | 599051 | 5817689 | black | 2cm | | 3 | 3 silty | 23-Jun | ds | side of old road thick brush with new |
| H-A-L5N-200 | 598960 | 5817666 | dark black | 4cm | | 2 | 2 silty | 23-Jun | ds | growth spruce |
| H-A-L5N-300 | 598864 | 5817631 | light black | 7cm | | 2 | 2 silty | 23-Jun | ds | new growth spruce |
| H-A-L5N-400 | 598770 | 5817603 | light black | 1cm | | 1 | 2 sandy | 23-Jun | ds | balsom stand |
| H-A-L5N-500 | 598672 | 5817566 | light black | 2cm | | 2 | 2 silty | 23-Jun | ds | more poplar than balsom station on road-took |
| H-A-L5N-600 | 598578 | 5817547 | light black | 1cm | | 1 | 2 sandy | 23-Jun | ds | sample on side |
| H-A-L5N-700 | 598480 | 5817529 | dark black | 1cm | | 3 | 2 silty | 23-Jun | ds | 5m from creek |
| H-A-L5N-800 | 598398 | 5817510 | light black | 2cm | | 1 | 2 sandy | 23-Jun | ds | could not find much ph |
| H-A-L5N-900 | 598309 | 5817475 | dark black | 7cm | | 2 | 2 silty | 23-Jun | ds | balsom stand |

| FIELD NUMBER | Easting | Northing | Colour | Depth | Moisture | Slope | Texture | Date | Sampler | Notes |
|---------------|---------|----------|-------------|-------|----------|-------|--------------|--------|---------|---------------------------|
| H-A-L5N-1000 | 598213 | 5817458 | light black | 5cm | | 2 | 2 sandy | 23-Jun | ds | thick with balsom |
| H-A-L5N-1100 | 598109 | 5817435 | light black | 1cm | | 1 | 2 sandy | 23-Jun | ds | looks like an old landing |
| H-A-L5N-1200 | 597997 | 5817405 | light black | 1cm | | 1 | 2 sandy | 23-Jun | ds | |
| H-A-L5N-1300 | 597909 | 5817380 | light black | 1cm | | 2 | 3 silty | 23-Jun | ds | |
| H-A-L5N-1400 | 597826 | 5817356 | light black | 8cm | | 3 | 3 sandy | 23-Jun | ds | beside clear cut |
| H-A-L5N-1500 | 597728 | 5817334 | dark black | 10cm | | 2 | 2 sandy | 23-Jun | ds | on clear cut |
| H-A-L5N-1600 | 597634 | 5817310 | light black | 4cm | | 2 | 2 silty | 23-Jun | ds | 20m away from clear cut |
| H-A-L5N-1700 | 597555 | 5817282 | light black | 8cm | | 2 | 2 silty | 23-Jun | ds | clearcut |
| H-A-L10N-0 | 599117 | 5818194 | dark black | 2cm | | 2 | 3 silty | 23-Jun | NH | |
| H-A-L10N-100 | 599025 | 5818164 | brown | 2cm | | 3 | 2 silty | 23-Jun | NH | |
| H-A-L10N-200 | 598937 | 5818122 | dark black | 3cm | | 3 | 2 silty | 23-Jun | NH | |
| H-A-L10N-300 | 598840 | 5818100 | dark black | 3cm | | 3 | 2 silty | 23-Jun | NH | |
| H-A-L10N-400 | 598741 | 5818069 | black | 2cm | | 3 | 2 silty | 23-Jun | NH | |
| H-A-L10N-500 | 598647 | 5818043 | dark black | 2cm | | 3 | 2 silty | 23-Jun | NH | |
| H-A-L10N-600 | 598554 | 5818019 | dark black | 3cm | | 3 | 2 silty | 23-Jun | NH | |
| H-A-L10N-700 | 598444 | 5817987 | dark browr | 2cm | | 3 | 2 silty | 23-Jun | NH | |
| H-A-L10N-800 | 598359 | 5817964 | light browr | 3cm | | 1 | 2 clay | 23-Jun | NH | |
| H-A-L10N-900 | 598263 | 5817940 | dark browr | 3cm | | 2 | 2 silty | 23-Jun | NH | |
| H-A-L10N-1000 | 598163 | 5817919 | dark browr | 2cm | | 2 | 2 silty clay | 23-Jun | NH | |
| H-A-L10N-1100 | 598069 | 5817886 | brown | 3cm | | 2 | 3 silty | 23-Jun | NH | |
| H-A-L10N-1200 | 597969 | 5817860 | light browr | 4cm | | 1 | 3 sandy | 23-Jun | NH | |
| H-A-L10N-1300 | 597874 | 5817832 | dark browr | 3cm | | 3 | 2 clay | 23-Jun | NH | |
| H-A-L10N-1400 | 597779 | 5817803 | brown | 2cm | | 3 | 2 sandy cla | 23-Jun | NH | |
| H-A-L10N-1500 | 597681 | 5817769 | dark black | 3cm | | 4 | 2 silty | 23-Jun | NH | |
| H-A-L10N-1600 | 597576 | 5817748 | dark browr | 2cm | | 2 | 2 silty | 23-Jun | NH | |
| H-A-L10N-1700 | 597487 | 5817737 | brown | 3cm | | 1 | 2 silty | 23-Jun | NH | |

Appendix D – Maps of Sample Locations and Results

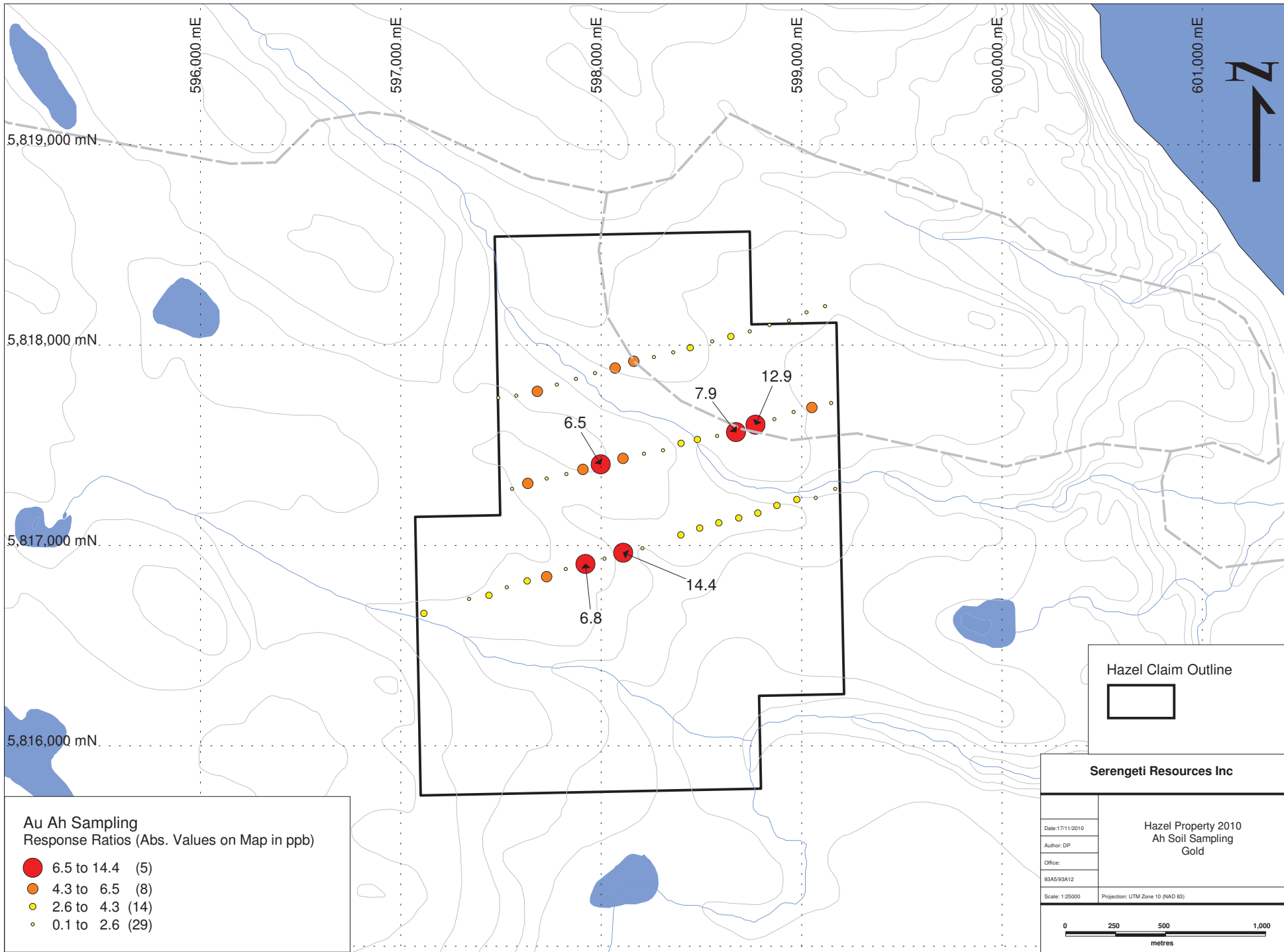


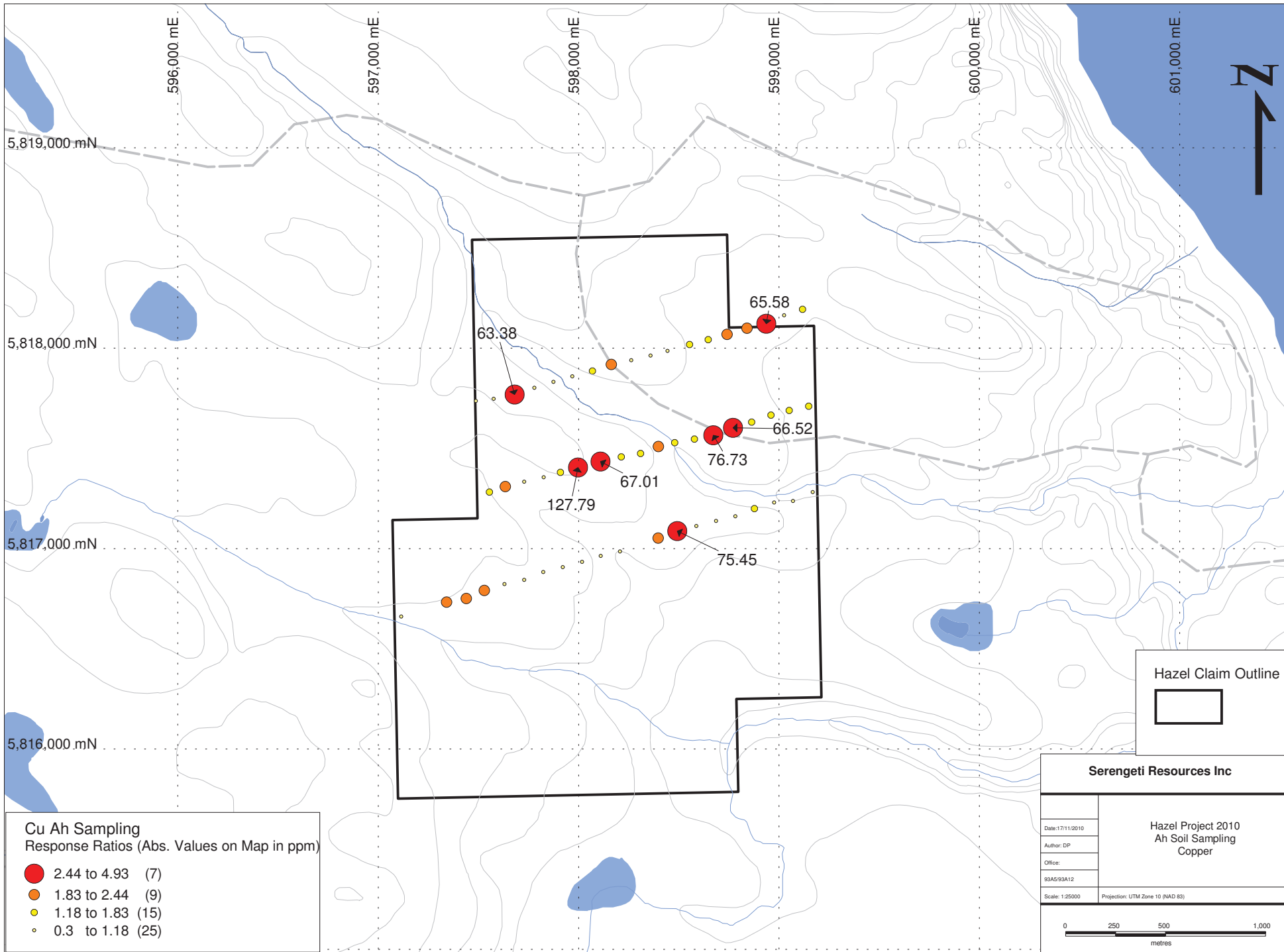
**Ag Ah Sampling
Response Ratios (Abs. Values on Map in ppb)**

- 5.5 to 11.2 (4)
- 2.9 to 5.5 (8)
- 1.8 to 2.9 (13)
- 0.2 to 1.8 (31)

Hazel Claim Outline


| | |
|--|----------------------------------|
| Serengeti Resources Inc | |
| Hazel Project 2010 Ah Soil Sampling Silver | |
| Date: 17/11/2010 | Author: DP |
| Office: | 93AS/93A12 |
| Scale: 1:25000 | Projection: UTM Zone 10 (NAD 83) |
| | |




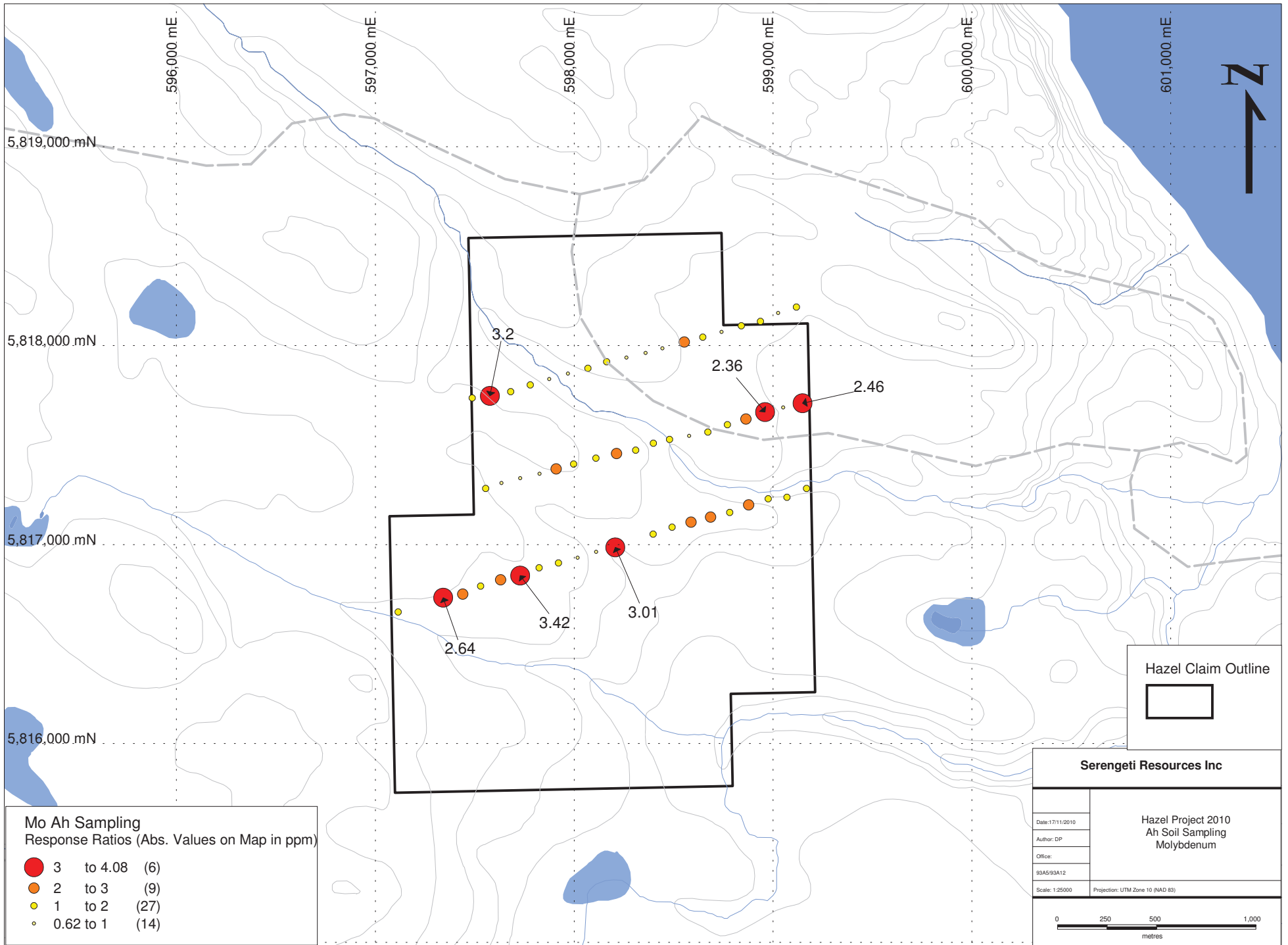


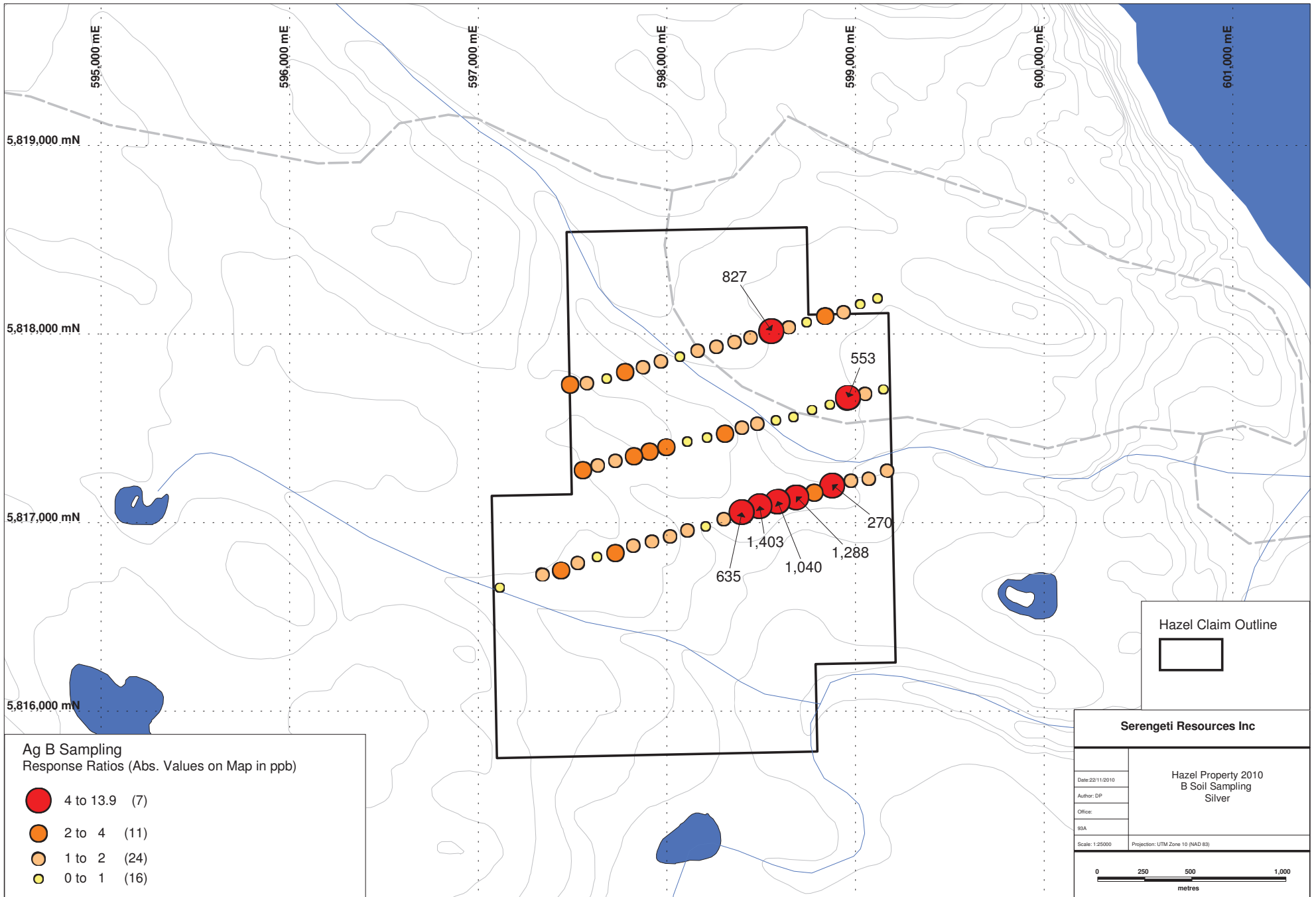
**Cu Ah Sampling
Response Ratios (Abs. Values on Map in ppm)**

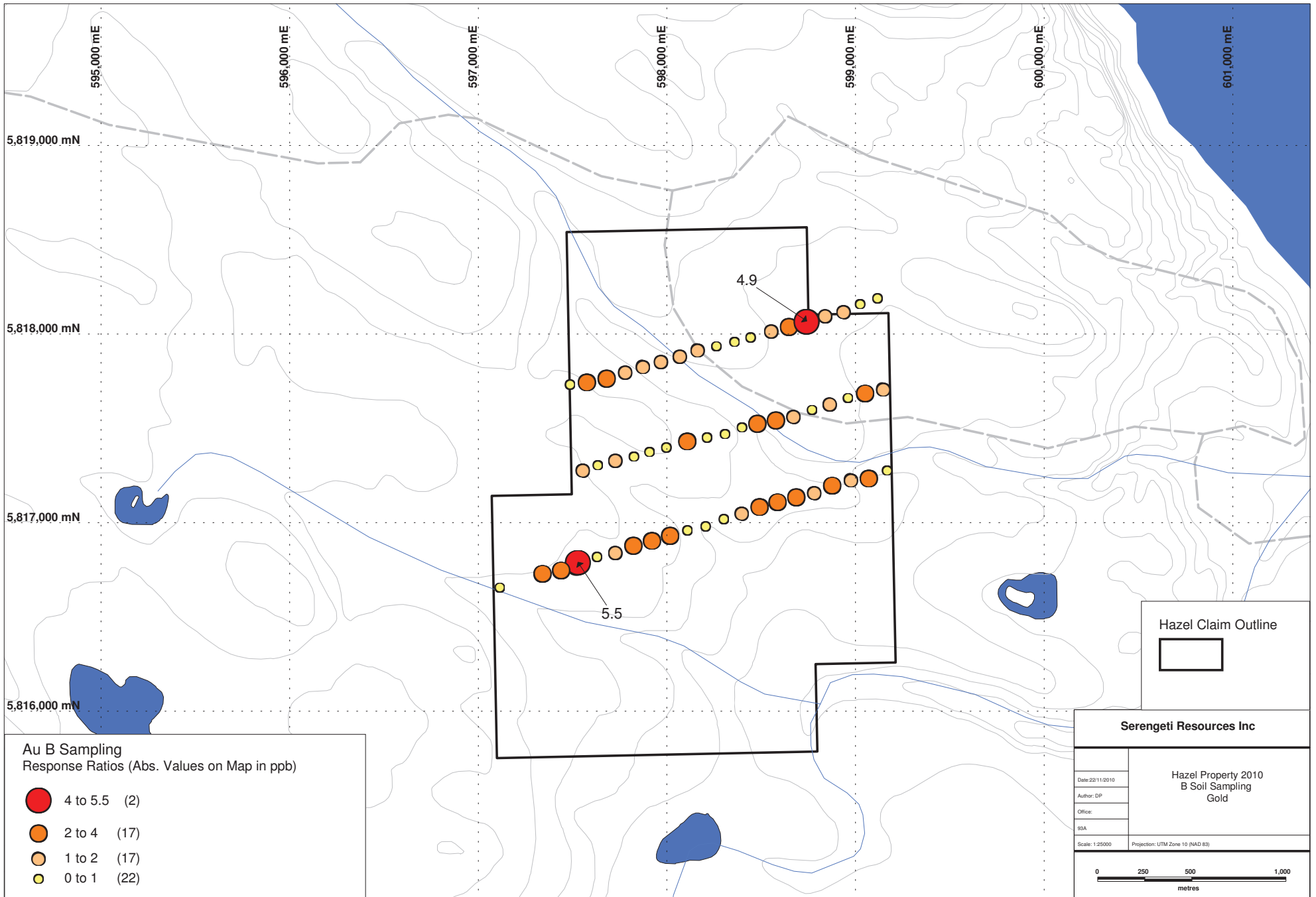
- 2.44 to 4.93 (7)
- 1.83 to 2.44 (9)
- 1.18 to 1.83 (15)
- 0.3 to 1.18 (25)

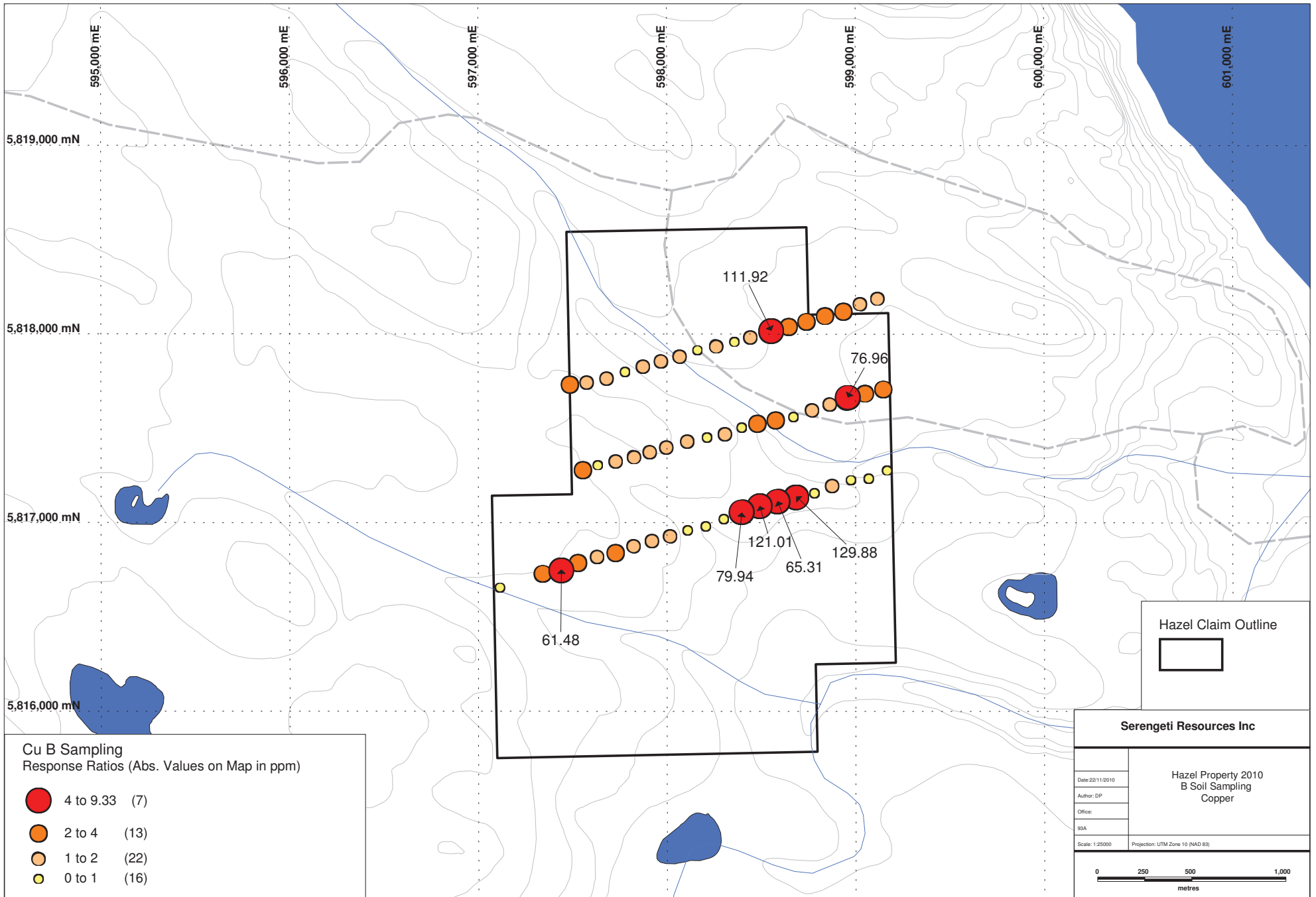
Hazel Claim Outline


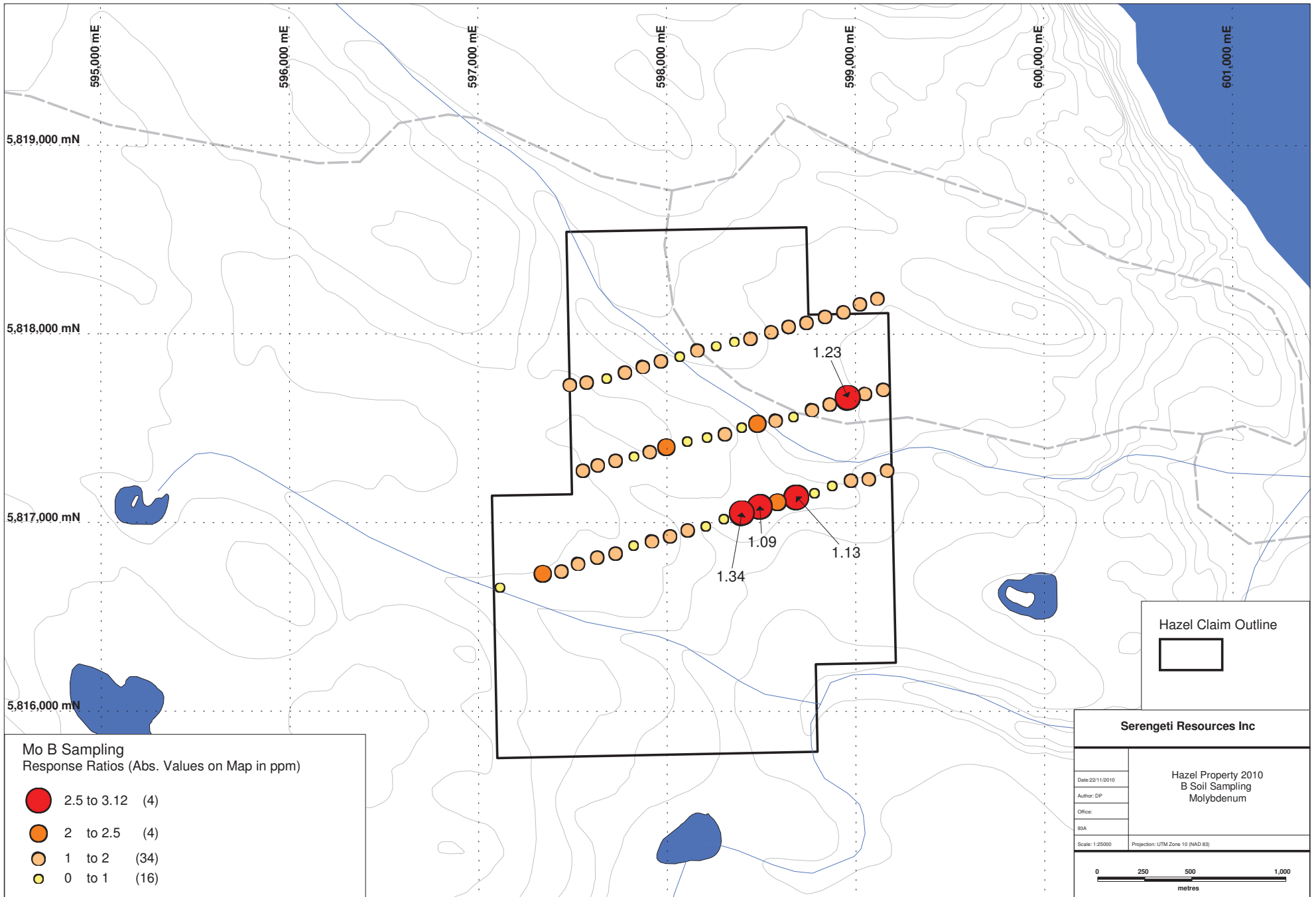
| | |
|---|---|
| Serengeti Resources Inc | |
| Date: 17/11/2010 | Hazel Project 2010 Ah Soil Sampling Copper |
| Author: DP | |
| Office: | |
| 93AS/93A12 | |
| Scale: 1:25000 | Projection: UTM Zone 10 (NAD 83) |
|  | |











Appendix E – Analytical Certificates and Procedures



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

www.acmelab.com

Client: Serengeti Resources
#500 - 602 West Hastings Street
Vancouver BC V6B 1P2 Canada

Submitted By: Dave Moore
Receiving Lab: Canada-Vancouver
Received: June 29, 2010
Report Date: July 22, 2010
Page: 1 of 13

CERTIFICATE OF ANALYSIS

VAN10002973.1

CLIENT JOB INFORMATION

Project: non-given
Shipment ID:
P.O. Number
Number of Samples: 358

SAMPLE DISPOSAL

RTRN-PLP Return
RTRN-RJT Return

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

Invoice To: Serengeti Resources
#500 - 602 West Hastings Street
Vancouver BC V6B 1P2
Canada

CC: Dustin Perry
H. Samson

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Table with 6 columns: Method Code, Number of Samples, Code Description, Test Wgt (g), Report Status, Lab. Rows include SS80, Dry at 60C, RJSV, and 1F05.

ADDITIONAL COMMENTS



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



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Project: non-given
 Report Date: July 22, 2010

Page: 2 of 13 Part 1

CERTIFICATE OF ANALYSIS

VAN10002973.1

| Method | Analyte | Unit | MDL | 1F15 Mo | 1F15 Cu | 1F15 Pb | 1F15 Zn | 1F15 Ag | 1F15 Ni | 1F15 Co | 1F15 Mn | 1F15 Fe | 1F15 As | 1F15 U | 1F15 Au | 1F15 Th | 1F15 Sr | 1F15 Cd | 1F15 Sb | 1F15 Bi | 1F15 V | 1F15 Ca | 1F15 P |
|---------------|---------|------|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|---------|---------|---------|---------|---------|---------|--------|---------|--------|
| | | | | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| | | | | 0.01 | 0.01 | 0.01 | 0.1 | 2 | 0.1 | 0.1 | 1 | 0.01 | 0.1 | 0.1 | 0.2 | 0.1 | 0.5 | 0.01 | 0.02 | 0.02 | 2 | 0.01 | 0.001 |
| ST-B-L40-0 | Soil | | | 1.33 | 11.31 | 5.61 | 80.9 | 87 | 23.5 | 8.4 | 311 | 2.25 | 1.3 | 0.5 | 0.5 | 3.9 | 21.6 | 0.13 | 0.10 | 0.15 | 36 | 0.28 | 0.105 |
| ST-B-L40-100 | Soil | | | 0.89 | 11.71 | 5.61 | 53.7 | 120 | 24.4 | 6.5 | 184 | 1.79 | 1.1 | 0.5 | 1.3 | 3.1 | 19.3 | 0.09 | 0.08 | 0.20 | 31 | 0.26 | 0.053 |
| ST-B-L40-200 | Soil | | | 1.72 | 13.45 | 5.74 | 63.7 | 70 | 28.0 | 7.6 | 215 | 2.19 | 1.7 | 0.5 | 0.4 | 3.5 | 25.6 | 0.12 | 0.11 | 0.24 | 40 | 0.33 | 0.087 |
| ST-B-L40-300 | Soil | | | 2.38 | 33.67 | 9.78 | 110.5 | 668 | 61.4 | 22.6 | 1691 | 3.51 | 2.3 | 2.9 | <0.2 | 3.8 | 42.7 | 0.26 | 0.11 | 0.48 | 64 | 0.54 | 0.067 |
| ST-B-L40-400 | Soil | | | 0.96 | 15.54 | 5.53 | 52.2 | 108 | 36.8 | 9.2 | 191 | 2.08 | 1.2 | 0.6 | <0.2 | 3.5 | 36.7 | 0.07 | 0.09 | 0.19 | 40 | 0.27 | 0.048 |
| ST-B-L40-500 | Soil | | | 1.15 | 14.39 | 4.84 | 45.5 | 113 | 40.7 | 7.9 | 151 | 1.89 | 0.8 | 0.5 | <0.2 | 2.9 | 44.4 | 0.08 | 0.09 | 0.24 | 42 | 0.23 | 0.034 |
| ST-B-L40-750 | Soil | | | 1.52 | 14.27 | 7.59 | 48.3 | 86 | 30.4 | 9.5 | 220 | 2.17 | 1.8 | 1.2 | 0.4 | 3.5 | 26.6 | 0.19 | 0.12 | 0.25 | 40 | 0.29 | 0.042 |
| ST-B-L40-800 | Soil | | | 2.03 | 16.43 | 6.93 | 73.4 | 133 | 36.2 | 7.9 | 158 | 2.60 | 2.0 | 0.7 | <0.2 | 4.9 | 20.9 | 0.18 | 0.19 | 0.38 | 49 | 0.26 | 0.152 |
| ST-B-L40-850 | Soil | | | 0.97 | 10.43 | 6.46 | 44.7 | 113 | 19.4 | 4.7 | 126 | 1.33 | 0.7 | 0.6 | <0.2 | 3.1 | 19.5 | 0.15 | 0.08 | 0.19 | 26 | 0.24 | 0.045 |
| ST-B-L40-900 | Soil | | | 1.40 | 17.13 | 6.80 | 53.8 | 140 | 32.4 | 7.9 | 215 | 2.23 | 2.0 | 0.8 | 0.6 | 4.5 | 22.1 | 0.15 | 0.14 | 0.24 | 41 | 0.26 | 0.064 |
| ST-B-L40-950 | Soil | | | 1.33 | 15.97 | 6.47 | 66.4 | 208 | 32.6 | 8.3 | 171 | 2.22 | 1.3 | 0.6 | 2.4 | 4.1 | 24.4 | 0.16 | 0.12 | 0.20 | 40 | 0.33 | 0.090 |
| ST-B-L40-1000 | Soil | | | 1.33 | 25.24 | 6.90 | 41.2 | 56 | 31.4 | 11.1 | 221 | 2.49 | 2.4 | 1.1 | 89.9 | 6.8 | 24.7 | 0.04 | 0.20 | 0.27 | 40 | 0.27 | 0.062 |
| ST-B-L40-1050 | Soil | | | 1.31 | 10.49 | 8.32 | 109.1 | 86 | 28.7 | 10.1 | 175 | 2.57 | 2.1 | 0.6 | <0.2 | 4.6 | 21.5 | 0.16 | 0.12 | 0.30 | 44 | 0.25 | 0.245 |
| ST-B-L40-1100 | Soil | | | 1.40 | 11.29 | 7.38 | 77.1 | 275 | 26.5 | 7.5 | 158 | 2.18 | 1.3 | 0.6 | 2.3 | 4.4 | 17.6 | 0.14 | 0.12 | 0.24 | 38 | 0.21 | 0.124 |
| ST-B-L40-1150 | Soil | | | 1.67 | 16.20 | 6.15 | 52.6 | 85 | 40.0 | 11.0 | 158 | 2.72 | 1.8 | 0.6 | 0.3 | 4.1 | 22.1 | 0.11 | 0.14 | 0.21 | 52 | 0.26 | 0.126 |
| ST-B-L40-1250 | Soil | | | 1.16 | 10.64 | 7.10 | 41.3 | 252 | 25.1 | 7.3 | 319 | 1.58 | 1.5 | 0.6 | 0.3 | 3.2 | 21.0 | 0.11 | 0.17 | 0.20 | 30 | 0.22 | 0.048 |
| ST-B-L40-1300 | Soil | | | 1.44 | 16.85 | 6.73 | 46.9 | 129 | 29.2 | 7.9 | 176 | 2.22 | 1.9 | 0.6 | 0.2 | 4.5 | 22.3 | 0.08 | 0.17 | 0.23 | 37 | 0.27 | 0.084 |
| ST-B-L40-1350 | Soil | | | 0.98 | 9.49 | 5.25 | 33.1 | 103 | 21.7 | 5.7 | 211 | 1.47 | 1.0 | 0.5 | <0.2 | 4.0 | 18.8 | 0.04 | 0.09 | 0.16 | 30 | 0.26 | 0.054 |
| ST-B-L40-1400 | Soil | | | 1.15 | 9.40 | 6.32 | 47.9 | 74 | 25.6 | 5.7 | 110 | 1.54 | 0.9 | 0.4 | <0.2 | 3.5 | 17.2 | 0.04 | 0.10 | 0.20 | 34 | 0.21 | 0.050 |
| ST-B-L40-1450 | Soil | | | 1.13 | 7.78 | 6.10 | 28.2 | 74 | 18.9 | 3.9 | 95 | 1.20 | 1.0 | 0.4 | 0.3 | 3.5 | 18.7 | 0.06 | 0.10 | 0.22 | 29 | 0.21 | 0.036 |
| ST-B-L40-1500 | Soil | | | 1.66 | 16.01 | 5.38 | 41.0 | 65 | 24.9 | 7.0 | 180 | 2.22 | 2.5 | 0.4 | 2.0 | 3.5 | 16.1 | 0.09 | 0.27 | 0.10 | 48 | 0.31 | 0.052 |
| ST-B-L40-1650 | Soil | | | 1.67 | 38.79 | 8.63 | 73.5 | 48 | 70.3 | 15.8 | 550 | 3.29 | 4.4 | 1.2 | 0.2 | 7.1 | 40.1 | 0.14 | 0.44 | 0.44 | 56 | 0.44 | 0.075 |
| ST-B-L40-1800 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| ST-B-L40-1850 | Soil | | | 1.45 | 25.93 | 7.64 | 56.1 | 44 | 58.1 | 12.8 | 540 | 2.48 | 3.2 | 1.0 | 0.7 | 5.9 | 34.9 | 0.21 | 0.29 | 0.39 | 45 | 0.40 | 0.076 |
| ST-B-L40-1900 | Soil | | | 1.76 | 38.03 | 9.67 | 75.5 | 92 | 67.0 | 16.6 | 579 | 3.21 | 4.7 | 1.2 | 1.1 | 7.0 | 42.1 | 0.20 | 0.45 | 0.54 | 58 | 0.52 | 0.080 |
| ST-B-L40-1950 | Soil | | | 1.31 | 14.07 | 5.80 | 48.9 | 75 | 33.2 | 7.9 | 174 | 2.17 | 2.3 | 0.6 | <0.2 | 4.2 | 22.0 | 0.11 | 0.19 | 0.24 | 43 | 0.25 | 0.061 |
| ST-B-L40-2000 | Soil | | | 1.34 | 26.61 | 7.62 | 63.7 | 53 | 50.1 | 13.4 | 511 | 2.42 | 3.4 | 0.9 | 0.9 | 5.2 | 33.5 | 0.13 | 0.32 | 0.35 | 43 | 0.41 | 0.070 |
| ST-B-L40-2050 | Soil | | | 1.00 | 16.83 | 5.99 | 66.5 | 235 | 29.2 | 7.4 | 291 | 2.05 | 1.5 | 0.8 | <0.2 | 2.5 | 24.5 | 0.36 | 0.13 | 0.30 | 39 | 0.32 | 0.072 |
| ST-B-L40-2100 | Soil | | | 1.10 | 20.26 | 6.11 | 60.6 | 155 | 32.0 | 8.4 | 332 | 2.08 | 2.1 | 1.3 | 0.4 | 3.5 | 24.6 | 0.27 | 0.16 | 0.31 | 40 | 0.29 | 0.052 |
| ST-B-L40-2300 | Soil | | | 1.44 | 13.33 | 6.70 | 42.6 | 194 | 38.5 | 10.0 | 335 | 1.74 | 1.4 | 0.6 | 1.1 | 3.1 | 22.2 | 0.24 | 0.14 | 0.49 | 37 | 0.18 | 0.065 |

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Project: non-given
 Report Date: July 22, 2010

Page: 2 of 13 Part 2

CERTIFICATE OF ANALYSIS

VAN10002973.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|---------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Sc | Tl | S | Hg | Se | Te | Ga | Cs | Ge | Hf |
| Unit | | ppm | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | % | ppb | ppm | ppm | ppm | ppm | ppm | ppm | |
| MDL | | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.02 | |
| ST-B-L40-0 | Soil | 12.5 | 40.0 | 0.66 | 102.5 | 0.100 | <1 | 1.49 | 0.006 | 0.25 | <0.1 | 2.2 | 0.15 | <0.02 | 19 | 0.3 | <0.02 | 5.4 | 1.71 | <0.1 | 0.04 |
| ST-B-L40-100 | Soil | 11.6 | 37.0 | 0.60 | 76.4 | 0.090 | <1 | 1.48 | 0.006 | 0.22 | <0.1 | 2.1 | 0.15 | <0.02 | 17 | 0.2 | <0.02 | 5.0 | 1.77 | <0.1 | 0.03 |
| ST-B-L40-200 | Soil | 12.2 | 44.3 | 0.64 | 87.1 | 0.090 | <1 | 1.55 | 0.006 | 0.20 | 0.1 | 2.3 | 0.13 | <0.02 | 22 | 0.3 | 0.03 | 5.1 | 1.69 | <0.1 | 0.03 |
| ST-B-L40-300 | Soil | 17.6 | 95.8 | 1.01 | 279.7 | 0.095 | 1 | 2.82 | 0.010 | 0.33 | <0.1 | 3.9 | 0.23 | 0.02 | 57 | 0.7 | 0.04 | 8.7 | 3.18 | <0.1 | 0.03 |
| ST-B-L40-400 | Soil | 13.3 | 65.3 | 0.81 | 144.9 | 0.109 | 1 | 1.50 | 0.009 | 0.29 | <0.1 | 2.5 | 0.17 | <0.02 | 16 | 0.3 | 0.02 | 5.4 | 2.73 | <0.1 | 0.03 |
| ST-B-L40-500 | Soil | 10.6 | 63.6 | 0.71 | 124.0 | 0.091 | <1 | 1.36 | 0.007 | 0.18 | <0.1 | 2.3 | 0.12 | <0.02 | 16 | 0.2 | 0.02 | 4.8 | 2.21 | <0.1 | 0.03 |
| ST-B-L40-750 | Soil | 15.5 | 55.9 | 0.64 | 94.2 | 0.084 | <1 | 1.38 | 0.007 | 0.22 | <0.1 | 2.1 | 0.15 | <0.02 | 16 | 0.6 | 0.05 | 4.8 | 1.69 | <0.1 | 0.03 |
| ST-B-L40-800 | Soil | 15.0 | 66.9 | 0.57 | 106.4 | 0.084 | 2 | 1.44 | 0.008 | 0.13 | 0.1 | 2.5 | 0.10 | <0.02 | 22 | 0.7 | 0.04 | 5.2 | 1.33 | <0.1 | 0.09 |
| ST-B-L40-850 | Soil | 15.3 | 32.7 | 0.36 | 70.3 | 0.066 | <1 | 0.97 | 0.006 | 0.11 | <0.1 | 1.7 | 0.08 | <0.02 | 16 | 0.2 | 0.02 | 3.7 | 0.98 | <0.1 | 0.02 |
| ST-B-L40-900 | Soil | 15.7 | 51.4 | 0.56 | 70.8 | 0.088 | <1 | 1.51 | 0.008 | 0.20 | <0.1 | 2.4 | 0.14 | <0.02 | 20 | 0.5 | 0.06 | 5.1 | 1.51 | <0.1 | 0.04 |
| ST-B-L40-950 | Soil | 13.2 | 52.1 | 0.60 | 102.2 | 0.087 | <1 | 1.48 | 0.008 | 0.19 | <0.1 | 2.3 | 0.13 | <0.02 | 23 | 0.3 | 0.02 | 4.2 | 1.55 | <0.1 | 0.05 |
| ST-B-L40-1000 | Soil | 18.4 | 52.1 | 0.72 | 84.7 | 0.094 | <1 | 1.64 | 0.009 | 0.33 | <0.1 | 3.5 | 0.26 | <0.02 | 18 | 0.7 | 0.04 | 4.8 | 2.25 | <0.1 | 0.06 |
| ST-B-L40-1050 | Soil | 13.7 | 58.2 | 0.52 | 181.2 | 0.091 | 1 | 1.71 | 0.007 | 0.14 | 0.1 | 2.3 | 0.14 | <0.02 | 21 | 0.4 | 0.04 | 6.8 | 1.90 | <0.1 | 0.06 |
| ST-B-L40-1100 | Soil | 14.2 | 49.0 | 0.43 | 86.6 | 0.082 | <1 | 1.43 | 0.006 | 0.13 | <0.1 | 2.1 | 0.11 | <0.02 | 35 | 0.4 | 0.03 | 5.3 | 1.43 | <0.1 | 0.05 |
| ST-B-L40-1150 | Soil | 12.1 | 54.4 | 0.50 | 103.9 | 0.084 | <1 | 1.62 | 0.007 | 0.10 | <0.1 | 2.2 | 0.09 | <0.02 | 20 | 0.4 | 0.06 | 4.7 | 1.43 | <0.1 | 0.04 |
| ST-B-L40-1250 | Soil | 16.3 | 40.5 | 0.43 | 85.6 | 0.067 | 2 | 1.07 | 0.008 | 0.10 | <0.1 | 1.7 | 0.09 | <0.02 | 27 | 0.4 | 0.03 | 3.9 | 0.94 | <0.1 | 0.02 |
| ST-B-L40-1300 | Soil | 14.9 | 55.6 | 0.64 | 68.5 | 0.087 | 1 | 1.44 | 0.006 | 0.18 | <0.1 | 2.4 | 0.14 | <0.02 | 21 | 0.3 | 0.02 | 4.7 | 1.23 | <0.1 | 0.05 |
| ST-B-L40-1350 | Soil | 15.3 | 42.3 | 0.47 | 58.6 | 0.077 | 1 | 1.04 | 0.007 | 0.14 | <0.1 | 1.8 | 0.09 | <0.02 | 17 | 0.4 | 0.03 | 3.6 | 1.01 | <0.1 | 0.04 |
| ST-B-L40-1400 | Soil | 13.5 | 48.1 | 0.42 | 53.1 | 0.082 | 1 | 1.08 | 0.006 | 0.07 | <0.1 | 1.9 | 0.08 | <0.02 | 14 | 0.3 | <0.02 | 4.5 | 1.00 | <0.1 | 0.04 |
| ST-B-L40-1450 | Soil | 14.3 | 40.0 | 0.33 | 49.8 | 0.082 | <1 | 0.84 | 0.006 | 0.07 | <0.1 | 1.6 | 0.07 | <0.02 | 10 | 0.4 | 0.02 | 4.1 | 0.91 | <0.1 | 0.05 |
| ST-B-L40-1500 | Soil | 13.6 | 38.5 | 0.47 | 55.0 | 0.091 | 1 | 1.33 | 0.007 | 0.07 | <0.1 | 2.2 | 0.05 | <0.02 | 16 | 0.6 | 0.04 | 4.0 | 0.62 | <0.1 | 0.07 |
| ST-B-L40-1650 | Soil | 22.5 | 71.8 | 0.89 | 146.2 | 0.110 | 3 | 1.93 | 0.012 | 0.26 | 0.1 | 6.0 | 0.22 | <0.02 | 22 | 0.5 | 0.07 | 5.8 | 2.56 | 0.1 | 0.17 |
| ST-B-L40-1800 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| ST-B-L40-1850 | Soil | 19.5 | 60.3 | 0.69 | 111.4 | 0.093 | 1 | 1.49 | 0.012 | 0.23 | <0.1 | 4.1 | 0.18 | <0.02 | 14 | 0.6 | 0.04 | 4.8 | 2.15 | <0.1 | 0.06 |
| ST-B-L40-1900 | Soil | 22.3 | 72.3 | 0.92 | 159.0 | 0.105 | 2 | 1.91 | 0.015 | 0.26 | <0.1 | 5.8 | 0.22 | <0.02 | 34 | 0.6 | 0.06 | 6.1 | 2.54 | 0.1 | 0.14 |
| ST-B-L40-1950 | Soil | 14.9 | 53.6 | 0.52 | 86.1 | 0.086 | <1 | 1.32 | 0.008 | 0.12 | <0.1 | 2.2 | 0.10 | <0.02 | 9 | 0.4 | 0.02 | 4.0 | 1.25 | <0.1 | 0.06 |
| ST-B-L40-2000 | Soil | 16.7 | 55.4 | 0.66 | 112.6 | 0.083 | 1 | 1.44 | 0.011 | 0.19 | <0.1 | 4.3 | 0.16 | <0.02 | 23 | 0.4 | 0.03 | 4.4 | 1.79 | <0.1 | 0.08 |
| ST-B-L40-2050 | Soil | 16.0 | 49.2 | 0.58 | 91.5 | 0.082 | <1 | 1.36 | 0.006 | 0.16 | <0.1 | 2.5 | 0.10 | <0.02 | 18 | 0.3 | <0.02 | 4.9 | 1.38 | <0.1 | 0.03 |
| ST-B-L40-2100 | Soil | 19.8 | 52.0 | 0.57 | 81.9 | 0.082 | <1 | 1.43 | 0.007 | 0.17 | <0.1 | 2.9 | 0.13 | <0.02 | 18 | 0.3 | 0.02 | 4.6 | 1.79 | <0.1 | 0.03 |
| ST-B-L40-2300 | Soil | 13.3 | 59.6 | 0.47 | 84.1 | 0.067 | 1 | 1.27 | 0.009 | 0.08 | <0.1 | 2.2 | 0.13 | <0.02 | 29 | 0.3 | 0.03 | 5.1 | 1.53 | <0.1 | <0.02 |

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Project: non-given
 Report Date: July 22, 2010

Page: 2 of 13 Part 3

CERTIFICATE OF ANALYSIS

VAN10002973.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|---------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Nb | Rb | Sn | Ta | Zr | Y | Ce | In | Re | Be | Li | Pd | Pt |
| Unit | MDL | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppb | ppm | ppb | ppb | |
| | | 0.02 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 | 0.1 | 0.02 | 1 | 0.1 | 10 | 2 | |
| ST-B-L40-0 | Soil | 1.07 | 29.1 | 0.4 | <0.05 | 1.7 | 3.52 | 25.6 | <0.02 | <1 | 0.3 | 21.6 | <10 | <2 |
| ST-B-L40-100 | Soil | 1.08 | 25.3 | 0.4 | <0.05 | 1.2 | 3.19 | 23.7 | <0.02 | <1 | 0.4 | 19.9 | <10 | <2 |
| ST-B-L40-200 | Soil | 1.30 | 20.4 | 0.4 | <0.05 | 1.9 | 3.38 | 25.5 | <0.02 | <1 | 0.4 | 22.7 | <10 | <2 |
| ST-B-L40-300 | Soil | 1.79 | 48.3 | 0.7 | <0.05 | 1.2 | 5.63 | 42.9 | 0.03 | <1 | 0.9 | 32.8 | <10 | <2 |
| ST-B-L40-400 | Soil | 0.99 | 32.6 | 0.4 | <0.05 | 1.5 | 4.22 | 26.4 | <0.02 | <1 | 0.3 | 22.6 | <10 | <2 |
| ST-B-L40-500 | Soil | 0.78 | 22.2 | 0.4 | <0.05 | 1.7 | 3.58 | 25.6 | <0.02 | <1 | 0.3 | 23.2 | <10 | <2 |
| ST-B-L40-750 | Soil | 0.98 | 26.7 | 0.4 | <0.05 | 1.3 | 4.04 | 32.0 | <0.02 | <1 | 0.4 | 16.3 | <10 | <2 |
| ST-B-L40-800 | Soil | 0.96 | 15.5 | 0.4 | <0.05 | 3.8 | 4.05 | 31.0 | <0.02 | <1 | 0.3 | 22.0 | <10 | <2 |
| ST-B-L40-850 | Soil | 0.76 | 15.6 | 0.3 | <0.05 | 1.1 | 3.73 | 30.4 | <0.02 | <1 | <0.1 | 10.6 | <10 | <2 |
| ST-B-L40-900 | Soil | 0.99 | 23.7 | 0.3 | <0.05 | 2.3 | 4.40 | 31.5 | <0.02 | <1 | 0.3 | 17.2 | <10 | <2 |
| ST-B-L40-950 | Soil | 1.23 | 21.7 | 0.3 | <0.05 | 2.5 | 3.75 | 26.8 | <0.02 | <1 | 0.5 | 18.9 | <10 | <2 |
| ST-B-L40-1000 | Soil | 0.81 | 33.9 | 0.4 | <0.05 | 3.9 | 5.57 | 38.3 | <0.02 | <1 | 0.4 | 16.4 | <10 | <2 |
| ST-B-L40-1050 | Soil | 1.42 | 25.4 | 0.5 | <0.05 | 2.4 | 3.62 | 27.2 | <0.02 | <1 | 0.3 | 26.9 | <10 | <2 |
| ST-B-L40-1100 | Soil | 1.27 | 19.1 | 0.4 | <0.05 | 2.2 | 3.58 | 28.6 | <0.02 | <1 | 0.4 | 21.2 | <10 | <2 |
| ST-B-L40-1150 | Soil | 1.23 | 15.9 | 0.4 | <0.05 | 2.2 | 3.14 | 25.0 | 0.02 | <1 | 0.4 | 23.6 | <10 | <2 |
| ST-B-L40-1250 | Soil | 1.15 | 13.0 | 0.4 | <0.05 | 0.9 | 4.35 | 33.3 | <0.02 | <1 | 0.2 | 11.3 | <10 | <2 |
| ST-B-L40-1300 | Soil | 1.03 | 18.7 | 0.4 | <0.05 | 2.5 | 3.41 | 29.4 | <0.02 | <1 | 0.2 | 12.2 | <10 | <2 |
| ST-B-L40-1350 | Soil | 0.73 | 15.3 | 0.2 | <0.05 | 1.8 | 3.82 | 30.8 | <0.02 | <1 | 0.3 | 12.5 | <10 | <2 |
| ST-B-L40-1400 | Soil | 0.82 | 14.7 | 0.3 | <0.05 | 2.5 | 3.06 | 26.6 | <0.02 | <1 | 0.2 | 16.2 | <10 | <2 |
| ST-B-L40-1450 | Soil | 0.82 | 12.0 | 0.3 | <0.05 | 2.4 | 2.94 | 28.9 | <0.02 | <1 | 0.2 | 10.2 | <10 | <2 |
| ST-B-L40-1500 | Soil | 0.49 | 8.5 | 0.2 | <0.05 | 4.1 | 3.62 | 28.0 | <0.02 | <1 | 0.3 | 14.0 | <10 | <2 |
| ST-B-L40-1650 | Soil | 0.47 | 25.4 | 0.4 | <0.05 | 10.0 | 11.54 | 45.1 | 0.03 | <1 | 0.4 | 18.5 | <10 | 3 |
| ST-B-L40-1800 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| ST-B-L40-1850 | Soil | 0.41 | 23.9 | 0.3 | <0.05 | 4.5 | 8.42 | 41.4 | 0.02 | <1 | 0.5 | 17.3 | <10 | <2 |
| ST-B-L40-1900 | Soil | 0.45 | 22.9 | 0.5 | <0.05 | 8.6 | 10.92 | 46.0 | 0.03 | <1 | 0.5 | 20.8 | <10 | <2 |
| ST-B-L40-1950 | Soil | 0.60 | 16.5 | 0.3 | <0.05 | 2.9 | 3.84 | 29.6 | <0.02 | <1 | 0.3 | 15.9 | <10 | <2 |
| ST-B-L40-2000 | Soil | 0.38 | 17.7 | 0.3 | <0.05 | 5.3 | 8.11 | 34.5 | <0.02 | <1 | 0.5 | 14.9 | <10 | <2 |
| ST-B-L40-2050 | Soil | 0.81 | 17.7 | 0.3 | <0.05 | 1.3 | 4.62 | 33.0 | <0.02 | <1 | 0.3 | 15.4 | <10 | <2 |
| ST-B-L40-2100 | Soil | 0.91 | 23.7 | 0.3 | <0.05 | 1.4 | 6.41 | 39.9 | <0.02 | <1 | 0.5 | 16.6 | <10 | <2 |
| ST-B-L40-2300 | Soil | 0.79 | 15.4 | 0.3 | <0.05 | 1.1 | 3.02 | 27.7 | 0.03 | <1 | 0.3 | 16.9 | <10 | <2 |

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Project: non-given
 Report Date: July 22, 2010

Page: 3 of 13 Part 1

CERTIFICATE OF ANALYSIS

VAN10002973.1

| Method | Analyte | Unit | MDL | 1F15 Mo | 1F15 Cu | 1F15 Pb | 1F15 Zn | 1F15 Ag | 1F15 Ni | 1F15 Co | 1F15 Mn | 1F15 Fe | 1F15 As | 1F15 U | 1F15 Au | 1F15 Th | 1F15 Sr | 1F15 Cd | 1F15 Sb | 1F15 Bi | 1F15 V | 1F15 Ca | 1F15 P |
|---------------|---------|------|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|---------|---------|---------|---------|---------|---------|--------|---------|--------|
| | | | | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| | | | | 0.01 | 0.01 | 0.01 | 0.1 | 2 | 0.1 | 0.1 | 1 | 0.01 | 0.1 | 0.1 | 0.2 | 0.1 | 0.5 | 0.01 | 0.02 | 0.02 | 2 | 0.01 | 0.001 |
| ST-B-L40-2400 | Soil | | | 1.43 | 18.77 | 6.43 | 53.1 | 49 | 97.2 | 10.8 | 274 | 2.22 | 2.1 | 1.0 | 0.3 | 4.2 | 42.6 | 0.15 | 0.18 | 0.63 | 44 | 0.33 | 0.073 |
| ST-B-L40-2500 | Soil | | | 1.55 | 21.66 | 6.71 | 63.8 | 111 | 175.7 | 16.1 | 338 | 2.71 | 2.2 | 1.4 | <0.2 | 4.4 | 48.9 | 0.24 | 0.18 | 0.75 | 51 | 0.41 | 0.067 |
| ST-B-L40-2600 | Soil | | | 1.01 | 16.23 | 6.24 | 43.3 | 66 | 61.2 | 8.3 | 204 | 2.25 | 2.1 | 0.9 | 16.4 | 4.8 | 33.7 | 0.08 | 0.18 | 0.74 | 42 | 0.29 | 0.058 |
| ST-B-L40-2700 | Soil | | | 1.32 | 13.42 | 6.22 | 65.9 | 332 | 49.4 | 8.9 | 174 | 2.55 | 1.6 | 1.0 | 0.9 | 5.3 | 17.5 | 0.15 | 0.15 | 0.70 | 45 | 0.23 | 0.123 |
| H-B-L0N-0M | Soil | | | 0.40 | 8.02 | 4.69 | 44.1 | 76 | 15.2 | 6.0 | 274 | 1.91 | 1.5 | 0.4 | <0.2 | 3.5 | 20.5 | 0.08 | 0.12 | 0.10 | 34 | 0.22 | 0.040 |
| H-B-L0N-100M | Soil | | | 0.48 | 9.29 | 5.63 | 38.4 | 72 | 17.7 | 6.8 | 231 | 2.08 | 2.0 | 0.4 | 2.8 | 3.5 | 16.7 | 0.11 | 0.18 | 0.12 | 35 | 0.19 | 0.051 |
| H-B-L0N-200M | Soil | | | 0.41 | 7.27 | 5.25 | 41.6 | 87 | 14.9 | 5.4 | 213 | 1.84 | 1.8 | 0.3 | 1.8 | 3.2 | 18.0 | 0.09 | 0.15 | 0.12 | 31 | 0.21 | 0.047 |
| H-B-L0N-300M | Soil | | | 0.39 | 15.09 | 6.40 | 66.4 | 270 | 24.9 | 8.7 | 271 | 2.81 | 3.2 | 0.5 | 2.1 | 3.6 | 21.7 | 0.17 | 0.23 | 0.13 | 46 | 0.23 | 0.082 |
| H-B-L0N-400M | Soil | | | 0.38 | 13.90 | 6.32 | 70.6 | 290 | 24.1 | 7.3 | 230 | 2.74 | 3.1 | 0.4 | 1.6 | 3.3 | 20.4 | 0.18 | 0.20 | 0.12 | 45 | 0.21 | 0.100 |
| H-B-L0N-500M | Soil | | | 1.13 | 129.9 | 15.68 | 108.7 | 1288 | 100.7 | 17.6 | 519 | 4.91 | 5.1 | 7.1 | 2.5 | 4.1 | 83.0 | 0.75 | 0.35 | 0.47 | 60 | 0.85 | 0.157 |
| H-B-L0N-600M | Soil | | | 1.03 | 65.31 | 7.34 | 36.6 | 1040 | 39.0 | 4.7 | 96 | 1.68 | 1.6 | 8.3 | 2.4 | 0.8 | 127.0 | 0.53 | 0.43 | 0.20 | 17 | 1.63 | 0.265 |
| H-B-L0N-700M | Soil | | | 1.09 | 121.0 | 14.05 | 110.0 | 1403 | 95.9 | 18.3 | 485 | 4.43 | 4.7 | 6.2 | 2.6 | 4.3 | 82.1 | 0.97 | 0.28 | 0.44 | 56 | 0.84 | 0.174 |
| H-B-L0N-800M | Soil | | | 1.34 | 79.94 | 12.00 | 96.2 | 635 | 55.9 | 17.9 | 616 | 4.35 | 5.0 | 1.6 | 1.9 | 4.3 | 39.5 | 0.36 | 0.37 | 0.32 | 81 | 0.37 | 0.040 |
| H-B-L0N-900M | Soil | | | 0.36 | 8.91 | 5.34 | 71.1 | 135 | 15.2 | 6.9 | 315 | 1.65 | 1.4 | 0.4 | <0.2 | 2.0 | 25.1 | 0.27 | 0.24 | 0.11 | 31 | 0.29 | 0.054 |
| H-B-L0N-1000M | Soil | | | 0.41 | 10.77 | 5.42 | 76.5 | 78 | 21.2 | 8.6 | 187 | 2.50 | 3.2 | 0.4 | 0.6 | 3.6 | 16.6 | 0.21 | 0.19 | 0.11 | 39 | 0.14 | 0.083 |
| H-B-L0N-1100M | Soil | | | 0.49 | 11.82 | 6.06 | 83.0 | 134 | 22.8 | 8.0 | 183 | 2.64 | 2.9 | 0.4 | 0.6 | 4.0 | 15.9 | 0.24 | 0.17 | 0.14 | 38 | 0.14 | 0.044 |
| H-B-L0N-1200M | Soil | | | 0.68 | 16.03 | 6.08 | 102.7 | 124 | 31.8 | 9.8 | 236 | 3.25 | 3.3 | 0.4 | 2.3 | 3.7 | 22.4 | 0.22 | 0.22 | 0.12 | 62 | 0.24 | 0.084 |
| H-B-L0N-1300M | Soil | | | 0.60 | 15.32 | 5.63 | 91.5 | 113 | 29.3 | 9.2 | 238 | 3.16 | 3.3 | 0.4 | 3.1 | 3.8 | 21.1 | 0.22 | 0.22 | 0.12 | 58 | 0.23 | 0.103 |
| H-B-L0N-1400M | Soil | | | 0.39 | 19.42 | 5.11 | 62.9 | 77 | 31.0 | 9.8 | 263 | 2.84 | 2.9 | 0.5 | 2.6 | 5.2 | 19.3 | 0.12 | 0.16 | 0.11 | 39 | 0.20 | 0.046 |
| H-B-L0N-1500M | Soil | | | 0.61 | 52.66 | 8.85 | 138.8 | 228 | 43.2 | 17.9 | 741 | 3.32 | 4.3 | 1.3 | 1.6 | 3.7 | 72.1 | 1.68 | 0.26 | 0.17 | 52 | 0.92 | 0.060 |
| H-B-L0N-1600M | Soil | | | 0.45 | 14.80 | 6.14 | 150.2 | 97 | 23.7 | 11.9 | 423 | 3.00 | 2.2 | 0.5 | <0.2 | 3.1 | 23.4 | 0.26 | 0.17 | 0.13 | 47 | 0.21 | 0.066 |
| H-B-L0N-1700M | Soil | | | 0.47 | 47.04 | 8.40 | 70.9 | 125 | 46.2 | 13.0 | 388 | 3.69 | 4.5 | 1.2 | 5.5 | 7.2 | 47.3 | 0.10 | 0.26 | 0.21 | 60 | 0.46 | 0.052 |
| H-B-L0N-1800M | Soil | | | 0.62 | 61.48 | 10.60 | 124.1 | 396 | 54.8 | 19.5 | 790 | 3.96 | 3.4 | 1.5 | 3.8 | 4.1 | 84.7 | 1.00 | 0.33 | 0.24 | 62 | 1.02 | 0.051 |
| H-B-L0N-1900M | Soil | | | 0.80 | 34.95 | 7.61 | 111.6 | 117 | 34.1 | 17.3 | 773 | 3.21 | 3.3 | 0.5 | 2.9 | 2.7 | 34.4 | 0.24 | 0.19 | 0.15 | 63 | 0.38 | 0.050 |
| H-B-L0N-2100M | Soil | | | 0.43 | 8.17 | 5.40 | 36.2 | 42 | 11.8 | 4.3 | 130 | 1.61 | 1.3 | 0.3 | 0.8 | 1.6 | 19.5 | 0.10 | 0.14 | 0.11 | 33 | 0.19 | 0.021 |
| H-B-L10N-0M | Soil | | | 0.48 | 18.38 | 7.48 | 84.9 | 71 | 34.0 | 14.4 | 434 | 3.21 | 5.0 | 0.6 | 0.5 | 5.3 | 30.8 | 0.26 | 0.32 | 0.15 | 46 | 0.35 | 0.062 |
| H-B-L10N-100 | Soil | | | 0.45 | 22.67 | 7.68 | 93.4 | 50 | 31.1 | 12.8 | 426 | 3.20 | 4.4 | 0.7 | <0.2 | 4.9 | 35.8 | 0.31 | 0.24 | 0.14 | 49 | 0.32 | 0.042 |
| H-B-L10N-200 | Soil | | | 0.66 | 30.37 | 8.69 | 93.4 | 90 | 39.8 | 13.5 | 682 | 3.11 | 4.3 | 1.1 | 1.2 | 6.0 | 46.7 | 0.20 | 0.27 | 0.20 | 52 | 0.45 | 0.035 |
| H-B-L10N-300 | Soil | | | 0.68 | 42.45 | 8.51 | 73.9 | 170 | 41.0 | 11.8 | 528 | 3.10 | 5.0 | 2.1 | 1.5 | 4.7 | 59.3 | 0.29 | 0.27 | 0.20 | 54 | 0.67 | 0.041 |
| H-B-L10N-400 | Soil | | | 0.62 | 34.61 | 8.46 | 57.5 | 33 | 34.3 | 13.2 | 583 | 3.52 | 8.4 | 0.8 | 4.9 | 6.0 | 43.1 | 0.10 | 0.29 | 0.18 | 65 | 0.42 | 0.042 |

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Project: non-given
 Report Date: July 22, 2010

Page: 3 of 13 Part 2

CERTIFICATE OF ANALYSIS

VAN10002973.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|---------------|---------|------|-------|------|-------|-------|------|------|-------|------|------|------|------|-------|------|------|-------|------|------|------|-------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Sc | Tl | S | Hg | Se | Te | Ga | Cs | Ge | Hf |
| Unit | | ppm | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | % | ppb | ppm | ppm | ppm | ppm | ppm | ppm | |
| MDL | | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.02 | 0.02 | 5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.1 | 0.02 | |
| ST-B-L40-2400 | Soil | 16.3 | 99.9 | 0.87 | 92.1 | 0.093 | 1 | 1.40 | 0.010 | 0.18 | 0.1 | 3.0 | 0.19 | <0.02 | 13 | 0.4 | 0.04 | 4.5 | 2.64 | <0.1 | 0.04 |
| ST-B-L40-2500 | Soil | 17.7 | 127.7 | 1.29 | 147.5 | 0.096 | 2 | 1.82 | 0.011 | 0.18 | 0.1 | 4.0 | 0.24 | <0.02 | 23 | 0.6 | 0.06 | 5.8 | 3.29 | <0.1 | 0.04 |
| ST-B-L40-2600 | Soil | 12.7 | 74.5 | 0.67 | 67.7 | 0.086 | 1 | 1.55 | 0.009 | 0.14 | 0.1 | 2.8 | 0.17 | <0.02 | 24 | 0.3 | 0.05 | 4.5 | 2.40 | <0.1 | 0.06 |
| ST-B-L40-2700 | Soil | 15.9 | 53.9 | 0.46 | 84.4 | 0.088 | 1 | 2.17 | 0.007 | 0.10 | 0.2 | 2.9 | 0.10 | <0.02 | 49 | 0.4 | 0.02 | 6.2 | 2.20 | <0.1 | 0.05 |
| H-B-L0N-0M | Soil | 15.6 | 27.0 | 0.36 | 88.4 | 0.044 | 2 | 1.08 | 0.007 | 0.09 | <0.1 | 1.7 | 0.06 | <0.02 | 16 | 0.1 | <0.02 | 4.3 | 0.58 | <0.1 | <0.02 |
| H-B-L0N-100M | Soil | 12.8 | 25.6 | 0.39 | 66.8 | 0.031 | 1 | 1.17 | 0.009 | 0.08 | 0.1 | 1.5 | 0.04 | <0.02 | 12 | 0.1 | 0.03 | 4.1 | 0.53 | <0.1 | <0.02 |
| H-B-L0N-200M | Soil | 13.1 | 24.3 | 0.37 | 71.5 | 0.037 | <1 | 0.99 | 0.009 | 0.07 | <0.1 | 1.4 | 0.05 | <0.02 | 15 | 0.2 | <0.02 | 3.9 | 0.55 | <0.1 | <0.02 |
| H-B-L0N-300M | Soil | 14.7 | 34.2 | 0.58 | 74.7 | 0.053 | 1 | 1.55 | 0.007 | 0.08 | <0.1 | 2.1 | 0.05 | <0.02 | 17 | 0.4 | <0.02 | 4.8 | 0.85 | <0.1 | <0.02 |
| H-B-L0N-400M | Soil | 13.7 | 32.0 | 0.53 | 76.7 | 0.049 | <1 | 1.49 | 0.007 | 0.07 | 0.1 | 2.2 | 0.05 | <0.02 | 31 | 0.3 | <0.02 | 4.9 | 0.87 | <0.1 | <0.02 |
| H-B-L0N-500M | Soil | 34.2 | 84.0 | 0.98 | 344.9 | 0.070 | 4 | 5.58 | 0.017 | 0.35 | 0.2 | 12.6 | 0.25 | 0.05 | 156 | 1.6 | 0.08 | 12.8 | 2.83 | <0.1 | 0.08 |
| H-B-L0N-600M | Soil | 54.9 | 30.6 | 0.39 | 162.8 | 0.018 | 5 | 2.38 | 0.012 | 0.14 | 0.1 | 4.6 | 0.14 | 0.20 | 394 | 2.2 | 0.05 | 4.2 | 0.91 | <0.1 | 0.04 |
| H-B-L0N-700M | Soil | 31.0 | 82.8 | 0.92 | 330.5 | 0.056 | 4 | 5.62 | 0.017 | 0.34 | 0.1 | 12.5 | 0.23 | 0.06 | 157 | 1.5 | 0.05 | 12.4 | 2.56 | <0.1 | 0.10 |
| H-B-L0N-800M | Soil | 17.1 | 73.7 | 0.94 | 187.0 | 0.069 | 2 | 3.07 | 0.011 | 0.21 | 0.1 | 5.8 | 0.12 | <0.02 | 42 | 0.6 | 0.03 | 8.7 | 2.01 | <0.1 | 0.05 |
| H-B-L0N-900M | Soil | 11.7 | 26.0 | 0.34 | 84.2 | 0.048 | <1 | 0.93 | 0.007 | 0.08 | <0.1 | 1.7 | 0.04 | <0.02 | 26 | 0.3 | <0.02 | 3.7 | 0.55 | <0.1 | <0.02 |
| H-B-L0N-1000M | Soil | 13.8 | 32.6 | 0.53 | 52.4 | 0.049 | 1 | 1.36 | 0.007 | 0.07 | <0.1 | 1.8 | 0.06 | <0.02 | 13 | 0.3 | 0.03 | 4.2 | 0.78 | <0.1 | <0.02 |
| H-B-L0N-1100M | Soil | 18.5 | 33.8 | 0.62 | 55.5 | 0.049 | <1 | 1.48 | 0.009 | 0.09 | <0.1 | 1.9 | 0.06 | <0.02 | 16 | 0.2 | 0.03 | 5.6 | 0.72 | <0.1 | <0.02 |
| H-B-L0N-1200M | Soil | 14.9 | 44.4 | 0.72 | 83.6 | 0.063 | 1 | 1.85 | 0.009 | 0.08 | 0.1 | 2.4 | 0.05 | <0.02 | 28 | 0.3 | 0.03 | 6.5 | 1.02 | <0.1 | 0.03 |
| H-B-L0N-1300M | Soil | 14.8 | 42.5 | 0.66 | 80.5 | 0.069 | 2 | 1.74 | 0.008 | 0.09 | 0.1 | 2.3 | 0.05 | <0.02 | 20 | 0.4 | 0.03 | 5.9 | 1.08 | <0.1 | 0.02 |
| H-B-L0N-1400M | Soil | 19.5 | 41.0 | 0.75 | 55.4 | 0.059 | <1 | 1.76 | 0.009 | 0.13 | <0.1 | 2.6 | 0.07 | <0.02 | 20 | 0.2 | <0.02 | 4.8 | 1.12 | <0.1 | <0.02 |
| H-B-L0N-1500M | Soil | 22.3 | 51.4 | 0.89 | 99.4 | 0.067 | 4 | 2.17 | 0.011 | 0.16 | 0.1 | 5.1 | 0.09 | 0.02 | 50 | 0.9 | 0.02 | 6.2 | 1.41 | <0.1 | 0.03 |
| H-B-L0N-1600M | Soil | 18.9 | 43.3 | 0.64 | 97.1 | 0.050 | 1 | 1.84 | 0.008 | 0.12 | <0.1 | 2.6 | 0.06 | <0.02 | 16 | 0.2 | 0.02 | 6.0 | 1.11 | <0.1 | <0.02 |
| H-B-L0N-1700M | Soil | 25.0 | 63.1 | 1.05 | 95.3 | 0.095 | 2 | 2.43 | 0.016 | 0.23 | 0.1 | 6.6 | 0.13 | <0.02 | 54 | 0.5 | 0.04 | 6.7 | 1.68 | <0.1 | 0.07 |
| H-B-L0N-1800M | Soil | 21.1 | 65.7 | 0.95 | 155.6 | 0.075 | 4 | 2.79 | 0.019 | 0.17 | 0.1 | 6.6 | 0.12 | 0.02 | 35 | 1.1 | 0.03 | 7.3 | 1.67 | <0.1 | 0.05 |
| H-B-L0N-1900M | Soil | 16.3 | 54.0 | 0.75 | 79.4 | 0.068 | 2 | 2.08 | 0.011 | 0.11 | 0.1 | 3.4 | 0.08 | <0.02 | 21 | 0.4 | 0.03 | 6.3 | 1.27 | <0.1 | <0.02 |
| H-B-L0N-2100M | Soil | 14.7 | 23.7 | 0.30 | 51.2 | 0.042 | <1 | 0.87 | 0.009 | 0.06 | <0.1 | 1.4 | 0.03 | <0.02 | 11 | 0.2 | 0.02 | 4.0 | 0.45 | <0.1 | <0.02 |
| H-B-L10N-0M | Soil | 19.4 | 45.6 | 0.82 | 95.4 | 0.078 | 1 | 1.77 | 0.008 | 0.17 | <0.1 | 3.2 | 0.09 | <0.02 | 17 | 0.3 | <0.02 | 5.3 | 1.32 | <0.1 | 0.02 |
| H-B-L10N-100 | Soil | 20.4 | 43.9 | 0.78 | 91.7 | 0.065 | 2 | 1.78 | 0.011 | 0.16 | <0.1 | 3.4 | 0.08 | <0.02 | 13 | 0.3 | 0.02 | 5.3 | 1.47 | <0.1 | <0.02 |
| H-B-L10N-200 | Soil | 18.2 | 52.2 | 0.84 | 134.8 | 0.090 | 3 | 1.95 | 0.016 | 0.20 | 0.1 | 5.6 | 0.14 | <0.02 | 20 | 0.4 | 0.04 | 5.7 | 1.59 | <0.1 | 0.08 |
| H-B-L10N-300 | Soil | 17.9 | 48.9 | 0.88 | 128.5 | 0.077 | 4 | 1.98 | 0.014 | 0.17 | <0.1 | 5.7 | 0.11 | <0.02 | 32 | 0.6 | 0.05 | 5.9 | 1.52 | <0.1 | 0.04 |
| H-B-L10N-400 | Soil | 17.7 | 48.3 | 0.78 | 125.7 | 0.075 | 3 | 1.93 | 0.014 | 0.16 | 0.1 | 5.8 | 0.11 | <0.02 | 64 | 0.4 | 0.04 | 5.5 | 1.73 | <0.1 | 0.07 |

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Project: non-given
 Report Date: July 22, 2010

Page: 3 of 13 Part 3

CERTIFICATE OF ANALYSIS

VAN10002973.1

| Method | Analyte | Unit | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | | |
|---------------|---------|------|------|------|------|-------|------|-------|------|-------|------|------|------|-----|----|
| | | | Nb | Rb | Sn | Ta | Zr | Y | Ce | In | Re | Be | Li | Pd | Pt |
| MDL | | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppb | ppm | ppb | ppb | | |
| | | | 0.02 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 | 0.1 | 0.02 | 1 | 0.1 | 10 | 2 | |
| ST-B-L40-2400 | Soil | | 0.59 | 21.4 | 0.4 | <0.05 | 2.0 | 5.41 | 32.6 | <0.02 | <1 | 0.4 | 22.4 | <10 | <2 |
| ST-B-L40-2500 | Soil | | 1.02 | 28.7 | 0.5 | <0.05 | 2.4 | 6.68 | 32.6 | <0.02 | <1 | 0.5 | 45.7 | <10 | <2 |
| ST-B-L40-2600 | Soil | | 0.89 | 21.1 | 0.4 | <0.05 | 3.5 | 3.59 | 25.1 | <0.02 | <1 | 0.3 | 18.0 | <10 | <2 |
| ST-B-L40-2700 | Soil | | 1.18 | 17.7 | 0.5 | <0.05 | 2.6 | 4.54 | 31.5 | 0.03 | <1 | 0.8 | 29.9 | <10 | <2 |
| H-B-L0N-0M | Soil | | 0.54 | 12.6 | 0.3 | <0.05 | 0.9 | 3.16 | 30.8 | <0.02 | <1 | 0.2 | 14.3 | <10 | <2 |
| H-B-L0N-100M | Soil | | 0.39 | 9.9 | 0.3 | <0.05 | 0.9 | 2.34 | 24.3 | <0.02 | <1 | 0.1 | 15.6 | <10 | <2 |
| H-B-L0N-200M | Soil | | 0.47 | 10.4 | 0.2 | <0.05 | 0.7 | 2.33 | 25.0 | <0.02 | <1 | 0.1 | 14.7 | <10 | 2 |
| H-B-L0N-300M | Soil | | 0.53 | 12.7 | 0.3 | <0.05 | 1.1 | 3.61 | 27.9 | <0.02 | 1 | 0.2 | 25.6 | <10 | <2 |
| H-B-L0N-400M | Soil | | 0.53 | 11.9 | 0.3 | <0.05 | 1.0 | 3.35 | 25.4 | <0.02 | <1 | 0.3 | 25.1 | <10 | <2 |
| H-B-L0N-500M | Soil | | 1.67 | 36.1 | 0.9 | <0.05 | 3.1 | 18.31 | 62.5 | 0.07 | 2 | 1.1 | 29.8 | <10 | 3 |
| H-B-L0N-600M | Soil | | 0.74 | 10.6 | 0.4 | <0.05 | 1.2 | 29.45 | 97.7 | 0.03 | 2 | 0.7 | 9.0 | <10 | 3 |
| H-B-L0N-700M | Soil | | 2.01 | 32.5 | 0.8 | <0.05 | 3.5 | 15.98 | 60.5 | 0.06 | <1 | 1.3 | 26.5 | <10 | 3 |
| H-B-L0N-800M | Soil | | 1.19 | 29.6 | 0.6 | <0.05 | 2.3 | 6.36 | 28.6 | 0.04 | <1 | 0.9 | 22.6 | <10 | <2 |
| H-B-L0N-900M | Soil | | 0.52 | 13.8 | 0.3 | <0.05 | 0.7 | 2.80 | 21.7 | <0.02 | <1 | 0.1 | 12.5 | <10 | <2 |
| H-B-L0N-1000M | Soil | | 0.66 | 10.7 | 0.2 | <0.05 | 1.2 | 2.44 | 26.6 | <0.02 | <1 | 0.2 | 20.8 | <10 | <2 |
| H-B-L0N-1100M | Soil | | 0.65 | 15.1 | 0.3 | <0.05 | 0.9 | 2.72 | 35.1 | <0.02 | <1 | 0.2 | 25.4 | <10 | <2 |
| H-B-L0N-1200M | Soil | | 0.69 | 16.1 | 0.4 | <0.05 | 1.5 | 2.56 | 28.9 | 0.02 | <1 | 0.2 | 30.1 | <10 | 2 |
| H-B-L0N-1300M | Soil | | 0.83 | 14.7 | 0.3 | <0.05 | 1.5 | 2.51 | 28.5 | <0.02 | 1 | 0.3 | 28.4 | <10 | 3 |
| H-B-L0N-1400M | Soil | | 0.53 | 15.4 | 0.2 | <0.05 | 1.1 | 4.10 | 37.9 | <0.02 | <1 | 0.2 | 31.7 | <10 | 2 |
| H-B-L0N-1500M | Soil | | 1.40 | 27.3 | 0.3 | <0.05 | 1.9 | 10.09 | 37.9 | <0.02 | <1 | 0.4 | 29.5 | <10 | <2 |
| H-B-L0N-1600M | Soil | | 0.56 | 22.8 | 0.4 | <0.05 | 0.6 | 3.03 | 36.2 | <0.02 | 1 | 0.2 | 27.8 | <10 | <2 |
| H-B-L0N-1700M | Soil | | 0.59 | 23.6 | 0.4 | <0.05 | 3.7 | 10.90 | 40.9 | <0.02 | <1 | 0.4 | 35.2 | <10 | 2 |
| H-B-L0N-1800M | Soil | | 1.36 | 21.7 | 0.5 | <0.05 | 2.1 | 10.60 | 35.0 | 0.03 | <1 | 1.0 | 31.2 | <10 | 2 |
| H-B-L0N-1900M | Soil | | 0.70 | 21.0 | 0.4 | <0.05 | 0.8 | 4.33 | 31.7 | <0.02 | <1 | 0.4 | 28.5 | <10 | <2 |
| H-B-L0N-2100M | Soil | | 0.47 | 9.3 | 0.3 | <0.05 | 0.4 | 2.26 | 27.2 | <0.02 | <1 | 0.2 | 10.1 | <10 | <2 |
| H-B-L10N-0M | Soil | | 0.70 | 26.2 | 0.3 | <0.05 | 1.4 | 4.63 | 39.0 | <0.02 | <1 | 0.4 | 29.4 | <10 | <2 |
| H-B-L10N-100 | Soil | | 0.81 | 20.7 | 0.3 | <0.05 | 1.1 | 5.04 | 39.8 | <0.02 | <1 | 0.2 | 30.4 | <10 | <2 |
| H-B-L10N-200 | Soil | | 0.93 | 24.8 | 0.4 | <0.05 | 4.2 | 8.30 | 32.9 | <0.02 | 1 | 0.4 | 26.4 | <10 | <2 |
| H-B-L10N-300 | Soil | | 1.24 | 17.5 | 0.4 | <0.05 | 2.5 | 7.97 | 34.8 | 0.02 | 1 | 0.5 | 28.9 | <10 | <2 |
| H-B-L10N-400 | Soil | | 0.45 | 16.7 | 0.3 | <0.05 | 3.7 | 7.53 | 35.6 | <0.02 | 1 | 0.5 | 23.4 | <10 | 3 |

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Project: non-given
 Report Date: July 22, 2010

Page: 4 of 13 Part 1

CERTIFICATE OF ANALYSIS

VAN10002973.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|---------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P |
| Unit | | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| MDL | | 0.01 | 0.01 | 0.01 | 0.1 | 2 | 0.1 | 0.1 | 1 | 0.01 | 0.1 | 0.1 | 0.2 | 0.1 | 0.5 | 0.01 | 0.02 | 0.02 | 2 | 0.01 | 0.001 |
| H-B-L10N-500 | Soil | 0.45 | 27.01 | 6.72 | 83.6 | 109 | 27.2 | 12.0 | 558 | 2.78 | 4.4 | 0.7 | 2.0 | 4.0 | 37.2 | 0.31 | 0.22 | 0.13 | 52 | 0.41 | 0.030 |
| H-B-L10N-600 | Soil | 0.78 | 111.9 | 13.11 | 86.6 | 827 | 61.2 | 16.3 | 574 | 4.15 | 7.5 | 1.6 | 1.8 | 5.0 | 67.8 | 0.67 | 0.57 | 0.34 | 70 | 0.94 | 0.050 |
| H-B-L10N-700 | Soil | 0.56 | 23.52 | 7.76 | 77.4 | 92 | 36.0 | 13.0 | 430 | 3.21 | 3.7 | 0.6 | 0.7 | 4.6 | 35.3 | 0.17 | 0.24 | 0.18 | 52 | 0.31 | 0.061 |
| H-B-L10N-800 | Soil | 0.28 | 8.46 | 5.26 | 63.3 | 115 | 16.8 | 7.8 | 347 | 1.91 | 1.3 | 0.4 | 0.5 | 3.4 | 17.8 | 0.13 | 0.13 | 0.12 | 36 | 0.18 | 0.033 |
| H-B-L10N-900 | Soil | 0.36 | 13.32 | 4.29 | 43.9 | 114 | 21.1 | 7.0 | 234 | 2.38 | 2.7 | 0.5 | 0.9 | 3.5 | 23.5 | 0.09 | 0.17 | 0.12 | 45 | 0.20 | 0.053 |
| H-B-L10N-1000 | Soil | 0.44 | 11.49 | 5.36 | 50.6 | 105 | 17.2 | 5.9 | 150 | 1.89 | 1.6 | 0.4 | 1.1 | 3.1 | 15.7 | 0.15 | 0.15 | 0.13 | 35 | 0.16 | 0.040 |
| H-B-L10N-1100 | Soil | 0.40 | 13.99 | 5.88 | 59.6 | 83 | 24.8 | 8.6 | 245 | 2.59 | 2.9 | 0.5 | 1.5 | 4.3 | 23.7 | 0.19 | 0.21 | 0.11 | 40 | 0.28 | 0.090 |
| H-B-L10N-1200 | Soil | 0.67 | 24.56 | 6.27 | 47.3 | 119 | 19.6 | 11.4 | 785 | 2.76 | 6.0 | 0.6 | 1.0 | 3.0 | 29.9 | 0.16 | 0.20 | 0.11 | 64 | 0.27 | 0.075 |
| H-B-L10N-1300 | Soil | 0.44 | 13.48 | 4.33 | 52.4 | 67 | 19.6 | 7.9 | 222 | 2.14 | 2.9 | 0.4 | 1.3 | 2.9 | 23.4 | 0.14 | 0.17 | 0.08 | 45 | 0.24 | 0.100 |
| H-B-L10N-1400 | Soil | 0.42 | 9.06 | 4.52 | 37.5 | 129 | 13.1 | 5.3 | 155 | 2.00 | 2.5 | 0.4 | 1.3 | 2.0 | 18.9 | 0.26 | 0.14 | 0.08 | 45 | 0.19 | 0.074 |
| H-B-L10N-1500 | Soil | 0.28 | 19.32 | 6.03 | 44.5 | 26 | 27.3 | 8.4 | 276 | 2.64 | 3.5 | 0.7 | 2.9 | 5.5 | 32.8 | 0.04 | 0.19 | 0.13 | 44 | 0.30 | 0.039 |
| H-B-L10N-1600 | Soil | 0.48 | 16.85 | 5.99 | 52.3 | 91 | 23.3 | 9.8 | 371 | 2.35 | 2.0 | 0.7 | 2.8 | 2.8 | 31.3 | 0.17 | 0.15 | 0.12 | 41 | 0.34 | 0.027 |
| H-B-L10N-1700 | Soil | 0.67 | 25.96 | 4.62 | 82.0 | 211 | 37.4 | 13.1 | 462 | 2.89 | 2.6 | 0.4 | 0.8 | 1.8 | 24.9 | 0.35 | 0.26 | 0.10 | 70 | 0.34 | 0.062 |
| H-B-L5N-0 | Soil | 0.56 | 25.50 | 7.81 | 71.8 | 59 | 29.7 | 11.0 | 473 | 3.24 | 4.9 | 1.1 | 1.5 | 5.2 | 45.3 | 0.17 | 0.24 | 0.16 | 50 | 0.44 | 0.071 |
| H-B-L5N-100 | Soil | 0.62 | 31.05 | 8.75 | 64.3 | 80 | 33.1 | 12.9 | 412 | 3.31 | 4.8 | 0.8 | 3.3 | 5.0 | 38.9 | 0.19 | 0.23 | 0.16 | 51 | 0.30 | 0.021 |
| H-B-L5N-200 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| H-B-L5N-300 | Soil | 0.43 | 19.51 | 6.59 | 71.2 | 46 | 28.1 | 11.5 | 371 | 2.88 | 2.9 | 0.5 | 1.3 | 4.0 | 23.1 | 0.12 | 0.21 | 0.14 | 44 | 0.23 | 0.040 |
| H-B-L5N-400 | Soil | 0.58 | 15.90 | 5.93 | 84.9 | 52 | 26.2 | 9.8 | 400 | 2.81 | 3.3 | 0.4 | 0.7 | 3.4 | 24.1 | 0.15 | 0.24 | 0.13 | 46 | 0.22 | 0.065 |
| H-B-L5N-500 | Soil | 0.29 | 10.83 | 4.89 | 67.8 | 40 | 22.2 | 6.9 | 199 | 2.36 | 1.9 | 0.4 | 1.1 | 3.7 | 16.9 | 0.10 | 0.12 | 0.10 | 33 | 0.16 | 0.022 |
| H-B-L5N-600 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| H-B-L5N-700 | Soil | 0.98 | 36.71 | 5.89 | 43.1 | 71 | 18.8 | 9.5 | 679 | 2.48 | 6.1 | 0.9 | 2.1 | 1.8 | 51.0 | 0.11 | 0.29 | 0.09 | 62 | 0.59 | 0.072 |
| H-B-L5N-800 | Soil | 0.35 | 5.18 | 4.76 | 54.9 | 108 | 6.4 | 3.7 | 344 | 1.40 | 1.6 | 0.3 | 0.5 | 1.1 | 13.0 | 0.34 | 0.13 | 0.08 | 38 | 0.14 | 0.043 |
| H-B-L5N-900 | Soil | 0.56 | 23.94 | 7.98 | 62.8 | 188 | 32.7 | 10.3 | 396 | 2.77 | 2.7 | 1.0 | 0.5 | 3.5 | 36.2 | 0.14 | 0.15 | 0.21 | 46 | 0.35 | 0.027 |
| H-B-L5N-1000 | Soil | 0.23 | 10.61 | 4.88 | 51.7 | 57 | 20.0 | 6.1 | 173 | 1.98 | 1.6 | 0.4 | 0.9 | 3.1 | 16.2 | 0.08 | 0.09 | 0.10 | 31 | 0.16 | 0.035 |
| H-B-L5N-1100 | Soil | 0.31 | 20.91 | 6.34 | 46.1 | 10 | 24.6 | 9.2 | 319 | 2.47 | 3.6 | 0.6 | 2.0 | 4.5 | 25.2 | 0.07 | 0.22 | 0.12 | 41 | 0.26 | 0.046 |
| H-B-L5N-1200 | Soil | 0.84 | 13.57 | 5.38 | 61.9 | 150 | 18.1 | 7.0 | 671 | 1.96 | 1.5 | 0.3 | 0.4 | 1.2 | 23.8 | 0.30 | 0.21 | 0.10 | 48 | 0.31 | 0.043 |
| H-B-L5N-1300 | Soil | 0.44 | 14.72 | 4.26 | 77.6 | 152 | 34.9 | 10.7 | 282 | 2.63 | 1.4 | 0.4 | <0.2 | 3.2 | 17.8 | 0.18 | 0.14 | 0.10 | 46 | 0.26 | 0.048 |
| H-B-L5N-1400 | Soil | 0.39 | 18.75 | 5.03 | 66.0 | 149 | 33.4 | 10.3 | 241 | 2.84 | 2.3 | 0.5 | 0.4 | 3.4 | 22.5 | 0.18 | 0.14 | 0.11 | 41 | 0.28 | 0.029 |
| H-B-L5N-1500 | Soil | 0.60 | 24.55 | 8.22 | 55.0 | 75 | 36.4 | 13.4 | 443 | 3.03 | 3.2 | 1.8 | 1.1 | 4.6 | 34.0 | 0.13 | 0.26 | 0.16 | 48 | 0.39 | 0.029 |
| H-B-L5N-1600 | Soil | 0.42 | 11.04 | 6.61 | 102.7 | 91 | 23.3 | 9.7 | 330 | 2.53 | 2.1 | 0.4 | 0.3 | 3.4 | 35.0 | 0.37 | 0.15 | 0.13 | 35 | 0.39 | 0.072 |

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Project: non-given
 Report Date: July 22, 2010

Page: 4 of 13 Part 2

CERTIFICATE OF ANALYSIS

VAN10002973.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|---------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Sc | Tl | S | Hg | Se | Te | Ga | Cs | Ge | Hf |
| Unit | | ppm | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | % | ppb | ppm | ppm | ppm | ppm | ppm | ppm | |
| MDL | | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.02 | |
| H-B-L10N-500 | Soil | 17.3 | 40.4 | 0.60 | 85.9 | 0.062 | 1 | 1.60 | 0.010 | 0.12 | <0.1 | 4.3 | 0.08 | <0.02 | 13 | 0.4 | 0.02 | 4.6 | 1.34 | <0.1 | 0.03 |
| H-B-L10N-600 | Soil | 19.3 | 58.1 | 0.69 | 197.2 | 0.068 | 4 | 2.64 | 0.016 | 0.22 | 0.1 | 7.4 | 0.13 | 0.02 | 61 | 1.1 | 0.03 | 7.0 | 1.84 | <0.1 | 0.05 |
| H-B-L10N-700 | Soil | 16.1 | 46.9 | 0.92 | 87.5 | 0.085 | 1 | 2.30 | 0.014 | 0.25 | 0.1 | 3.8 | 0.11 | <0.02 | 118 | 0.4 | 0.03 | 6.1 | 1.72 | <0.1 | <0.02 |
| H-B-L10N-800 | Soil | 15.7 | 27.9 | 0.47 | 80.4 | 0.049 | <1 | 1.32 | 0.007 | 0.08 | <0.1 | 2.1 | 0.07 | <0.02 | 5 | 0.1 | <0.02 | 4.5 | 1.20 | <0.1 | <0.02 |
| H-B-L10N-900 | Soil | 14.8 | 31.3 | 0.56 | 55.8 | 0.066 | 1 | 1.52 | 0.009 | 0.09 | <0.1 | 2.4 | 0.06 | <0.02 | 12 | 0.2 | <0.02 | 4.4 | 0.90 | <0.1 | <0.02 |
| H-B-L10N-1000 | Soil | 14.4 | 28.0 | 0.40 | 67.4 | 0.042 | <1 | 1.28 | 0.007 | 0.08 | <0.1 | 2.1 | 0.07 | <0.02 | 14 | 0.3 | 0.02 | 4.3 | 0.85 | <0.1 | <0.02 |
| H-B-L10N-1100 | Soil | 17.5 | 38.2 | 0.64 | 53.6 | 0.061 | <1 | 1.49 | 0.007 | 0.10 | <0.1 | 2.3 | 0.07 | <0.02 | 17 | 0.3 | <0.02 | 4.4 | 0.89 | <0.1 | <0.02 |
| H-B-L10N-1200 | Soil | 11.8 | 33.9 | 0.44 | 73.6 | 0.061 | 2 | 1.51 | 0.008 | 0.08 | 0.1 | 3.2 | 0.05 | <0.02 | 15 | 0.3 | 0.03 | 4.4 | 0.90 | <0.1 | 0.02 |
| H-B-L10N-1300 | Soil | 13.1 | 28.9 | 0.41 | 72.1 | 0.060 | 1 | 1.25 | 0.007 | 0.06 | <0.1 | 2.2 | 0.04 | <0.02 | 16 | 0.2 | <0.02 | 3.9 | 0.78 | <0.1 | 0.02 |
| H-B-L10N-1400 | Soil | 9.5 | 23.8 | 0.25 | 54.5 | 0.053 | <1 | 0.98 | 0.006 | 0.04 | <0.1 | 1.6 | 0.02 | <0.02 | 25 | 0.2 | <0.02 | 3.8 | 0.65 | <0.1 | <0.02 |
| H-B-L10N-1500 | Soil | 17.5 | 41.6 | 0.74 | 75.3 | 0.079 | <1 | 1.80 | 0.011 | 0.16 | <0.1 | 4.2 | 0.09 | <0.02 | 13 | 0.3 | 0.02 | 4.8 | 1.09 | <0.1 | 0.04 |
| H-B-L10N-1600 | Soil | 14.2 | 35.8 | 0.59 | 63.4 | 0.056 | 2 | 1.51 | 0.011 | 0.07 | <0.1 | 2.7 | 0.06 | <0.02 | 25 | 0.4 | <0.02 | 4.1 | 0.88 | <0.1 | 0.02 |
| H-B-L10N-1700 | Soil | 9.5 | 68.4 | 0.78 | 92.3 | 0.082 | 4 | 1.80 | 0.009 | 0.07 | <0.1 | 3.2 | 0.05 | <0.02 | 34 | 0.3 | <0.02 | 5.5 | 1.05 | <0.1 | 0.03 |
| H-B-L5N-0 | Soil | 17.7 | 41.0 | 0.85 | 113.8 | 0.076 | 3 | 1.87 | 0.017 | 0.19 | 0.1 | 4.1 | 0.09 | <0.02 | 30 | 0.3 | <0.02 | 5.3 | 1.52 | <0.1 | 0.03 |
| H-B-L5N-100 | Soil | 19.2 | 40.6 | 0.70 | 85.6 | 0.057 | 2 | 1.80 | 0.011 | 0.11 | <0.1 | 4.0 | 0.08 | <0.02 | 21 | 0.3 | 0.03 | 5.1 | 1.05 | <0.1 | 0.04 |
| H-B-L5N-200 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| H-B-L5N-300 | Soil | 17.4 | 39.8 | 0.78 | 63.2 | 0.060 | 2 | 1.83 | 0.010 | 0.16 | 0.1 | 2.7 | 0.09 | <0.02 | 14 | 0.2 | <0.02 | 5.0 | 1.25 | <0.1 | <0.02 |
| H-B-L5N-400 | Soil | 14.7 | 38.5 | 0.65 | 163.5 | 0.048 | 2 | 1.68 | 0.008 | 0.10 | <0.1 | 2.5 | 0.07 | <0.02 | 17 | 0.2 | <0.02 | 5.6 | 1.14 | <0.1 | <0.02 |
| H-B-L5N-500 | Soil | 16.2 | 33.4 | 0.67 | 51.9 | 0.051 | 1 | 1.45 | 0.006 | 0.09 | <0.1 | 1.9 | 0.07 | <0.02 | 6 | <0.1 | <0.02 | 4.3 | 0.95 | <0.1 | <0.02 |
| H-B-L5N-600 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| H-B-L5N-700 | Soil | 11.6 | 30.2 | 0.48 | 78.2 | 0.053 | 3 | 1.20 | 0.016 | 0.05 | 0.1 | 3.6 | 0.04 | 0.02 | 62 | 0.5 | <0.02 | 3.5 | 0.78 | <0.1 | 0.03 |
| H-B-L5N-800 | Soil | 5.5 | 17.3 | 0.12 | 56.8 | 0.045 | 2 | 0.59 | 0.006 | 0.04 | <0.1 | 1.1 | 0.03 | <0.02 | 5 | 0.2 | <0.02 | 3.0 | 0.43 | <0.1 | <0.02 |
| H-B-L5N-900 | Soil | 15.4 | 46.0 | 0.81 | 108.5 | 0.066 | 2 | 2.01 | 0.010 | 0.13 | <0.1 | 3.0 | 0.09 | <0.02 | 26 | 0.4 | 0.03 | 5.8 | 1.38 | <0.1 | <0.02 |
| H-B-L5N-1000 | Soil | 13.1 | 29.1 | 0.58 | 46.1 | 0.055 | 1 | 1.31 | 0.009 | 0.08 | <0.1 | 1.8 | 0.06 | <0.02 | 11 | <0.1 | <0.02 | 3.7 | 0.86 | <0.1 | 0.09 |
| H-B-L5N-1100 | Soil | 14.5 | 37.9 | 0.66 | 65.7 | 0.067 | 2 | 1.59 | 0.009 | 0.14 | <0.1 | 3.0 | 0.09 | <0.02 | 14 | 0.2 | <0.02 | 4.6 | 1.03 | <0.1 | 0.03 |
| H-B-L5N-1200 | Soil | 7.9 | 38.9 | 0.42 | 74.6 | 0.072 | 1 | 1.10 | 0.009 | 0.05 | <0.1 | 2.0 | 0.04 | <0.02 | 56 | 0.2 | <0.02 | 4.7 | 0.63 | <0.1 | <0.02 |
| H-B-L5N-1300 | Soil | 12.5 | 69.6 | 0.80 | 57.5 | 0.071 | 1 | 1.53 | 0.011 | 0.07 | <0.1 | 2.2 | 0.04 | <0.02 | 20 | 0.2 | <0.02 | 5.1 | 0.90 | <0.1 | 0.03 |
| H-B-L5N-1400 | Soil | 15.8 | 51.2 | 0.76 | 60.7 | 0.052 | 2 | 1.68 | 0.006 | 0.10 | <0.1 | 2.5 | 0.06 | <0.02 | 19 | 0.3 | <0.02 | 4.7 | 0.96 | <0.1 | <0.02 |
| H-B-L5N-1500 | Soil | 17.3 | 58.7 | 0.81 | 66.3 | 0.076 | 3 | 1.71 | 0.011 | 0.13 | 0.1 | 4.5 | 0.09 | <0.02 | 22 | 0.4 | 0.02 | 5.1 | 1.04 | <0.1 | 0.04 |
| H-B-L5N-1600 | Soil | 12.6 | 35.6 | 0.60 | 75.4 | 0.051 | 3 | 1.32 | 0.006 | 0.14 | <0.1 | 1.9 | 0.05 | <0.02 | 12 | 0.1 | 0.03 | 4.3 | 0.67 | <0.1 | 0.02 |

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Project: non-given
 Report Date: July 22, 2010

Page: 4 of 13 Part 3

CERTIFICATE OF ANALYSIS

VAN10002973.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|---------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Nb | Rb | Sn | Ta | Zr | Y | Ce | In | Re | Be | Li | Pd | Pt |
| Unit | MDL | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppb | ppm | ppb | ppb | |
| | | 0.02 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 | 0.1 | 0.02 | 1 | 0.1 | 10 | 2 | |
| H-B-L10N-500 | Soil | 0.68 | 18.3 | 0.3 | <0.05 | 1.4 | 6.85 | 32.7 | <0.02 | <1 | 0.4 | 26.9 | <10 | <2 |
| H-B-L10N-600 | Soil | 1.54 | 23.4 | 0.5 | <0.05 | 2.8 | 12.81 | 32.5 | 0.04 | 4 | 0.8 | 25.6 | <10 | 2 |
| H-B-L10N-700 | Soil | 0.67 | 20.8 | 0.3 | <0.05 | 1.3 | 3.99 | 32.1 | <0.02 | <1 | 0.5 | 34.1 | <10 | <2 |
| H-B-L10N-800 | Soil | 0.50 | 19.5 | 0.3 | <0.05 | 0.6 | 2.61 | 28.6 | <0.02 | 2 | 0.3 | 24.0 | <10 | <2 |
| H-B-L10N-900 | Soil | 0.60 | 11.1 | 0.3 | <0.05 | 1.2 | 3.55 | 27.9 | <0.02 | <1 | 0.1 | 20.8 | <10 | <2 |
| H-B-L10N-1000 | Soil | 0.52 | 16.0 | 0.3 | <0.05 | 0.8 | 2.93 | 26.9 | <0.02 | <1 | 0.2 | 20.0 | <10 | <2 |
| H-B-L10N-1100 | Soil | 0.65 | 12.6 | 0.3 | <0.05 | 0.9 | 3.67 | 34.6 | <0.02 | <1 | 0.2 | 24.7 | <10 | 2 |
| H-B-L10N-1200 | Soil | 0.42 | 10.4 | 0.3 | <0.05 | 1.4 | 3.87 | 25.1 | <0.02 | <1 | 0.2 | 12.9 | <10 | 3 |
| H-B-L10N-1300 | Soil | 0.48 | 8.8 | 0.2 | <0.05 | 1.1 | 3.60 | 24.3 | <0.02 | <1 | 0.1 | 16.3 | <10 | 3 |
| H-B-L10N-1400 | Soil | 0.55 | 9.6 | 0.2 | <0.05 | 0.9 | 2.55 | 18.6 | <0.02 | <1 | 0.1 | 13.2 | <10 | 3 |
| H-B-L10N-1500 | Soil | 0.58 | 12.8 | 0.3 | <0.05 | 3.4 | 4.60 | 32.7 | <0.02 | <1 | 0.2 | 22.9 | <10 | <2 |
| H-B-L10N-1600 | Soil | 0.74 | 12.9 | 0.3 | <0.05 | 0.9 | 4.28 | 27.3 | <0.02 | 1 | 0.2 | 24.2 | <10 | <2 |
| H-B-L10N-1700 | Soil | 0.53 | 11.6 | 0.3 | <0.05 | 1.6 | 3.91 | 18.4 | <0.02 | <1 | 0.3 | 20.6 | <10 | <2 |
| H-B-L5N-0 | Soil | 0.99 | 21.5 | 0.3 | <0.05 | 1.7 | 6.01 | 33.3 | <0.02 | <1 | 0.4 | 30.2 | <10 | <2 |
| H-B-L5N-100 | Soil | 0.68 | 14.7 | 0.3 | <0.05 | 1.6 | 7.33 | 38.3 | <0.02 | <1 | 0.4 | 35.3 | <10 | <2 |
| H-B-L5N-200 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| H-B-L5N-300 | Soil | 0.55 | 17.9 | 0.3 | <0.05 | 0.7 | 3.88 | 32.4 | <0.02 | 1 | 0.3 | 30.8 | <10 | <2 |
| H-B-L5N-400 | Soil | 0.52 | 13.8 | 0.3 | <0.05 | 0.7 | 2.58 | 28.0 | <0.02 | <1 | 0.2 | 31.4 | <10 | <2 |
| H-B-L5N-500 | Soil | 0.60 | 15.1 | 0.2 | <0.05 | 0.6 | 2.59 | 30.4 | <0.02 | <1 | 0.2 | 28.9 | <10 | <2 |
| H-B-L5N-600 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| H-B-L5N-700 | Soil | 0.43 | 4.5 | 0.2 | <0.05 | 1.1 | 7.33 | 22.0 | <0.02 | <1 | 0.2 | 12.1 | <10 | <2 |
| H-B-L5N-800 | Soil | 0.32 | 8.5 | 0.3 | <0.05 | 0.6 | 1.33 | 10.3 | <0.02 | <1 | 0.1 | 5.1 | <10 | <2 |
| H-B-L5N-900 | Soil | 0.92 | 20.8 | 0.4 | <0.05 | 1.2 | 4.19 | 29.1 | 0.02 | 1 | 0.5 | 30.2 | <10 | <2 |
| H-B-L5N-1000 | Soil | 0.45 | 12.3 | 0.2 | <0.05 | 0.9 | 2.48 | 24.4 | <0.02 | <1 | 0.2 | 24.3 | <10 | <2 |
| H-B-L5N-1100 | Soil | 0.47 | 12.3 | 0.2 | <0.05 | 1.8 | 3.42 | 29.5 | <0.02 | <1 | 0.2 | 22.1 | <10 | <2 |
| H-B-L5N-1200 | Soil | 0.56 | 11.1 | 0.3 | <0.05 | 1.2 | 2.20 | 15.0 | <0.02 | <1 | 0.2 | 13.0 | <10 | <2 |
| H-B-L5N-1300 | Soil | 0.52 | 13.6 | 0.3 | <0.05 | 1.8 | 2.77 | 22.8 | <0.02 | <1 | 0.3 | 28.5 | <10 | <2 |
| H-B-L5N-1400 | Soil | 0.57 | 15.9 | 0.2 | <0.05 | 0.8 | 4.23 | 31.9 | <0.02 | <1 | 0.3 | 31.4 | <10 | <2 |
| H-B-L5N-1500 | Soil | 0.75 | 19.0 | 0.3 | <0.05 | 2.2 | 7.39 | 32.8 | <0.02 | 2 | 0.2 | 30.2 | <10 | <2 |
| H-B-L5N-1600 | Soil | 0.66 | 13.8 | 0.2 | <0.05 | 1.1 | 2.36 | 25.2 | 0.02 | <1 | 0.2 | 24.8 | <10 | <2 |

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Project: non-given
 Report Date: July 22, 2010

Page: 5 of 13 Part 1

CERTIFICATE OF ANALYSIS

VAN10002973.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|---------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P |
| Unit | | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| MDL | | 0.01 | 0.01 | 0.01 | 0.1 | 2 | 0.1 | 0.1 | 1 | 0.01 | 0.1 | 0.2 | 0.1 | 0.5 | 0.01 | 0.02 | 0.02 | 0.02 | 2 | 0.01 | 0.001 |
| H-B-L5N-1700 | Soil | 0.57 | 34.26 | 8.61 | 95.4 | 191 | 35.7 | 14.0 | 613 | 3.04 | 4.0 | 1.1 | 1.4 | 2.4 | 44.3 | 0.57 | 0.22 | 0.18 | 53 | 0.45 | 0.065 |
| H-B-L15N-200 | Soil | 1.23 | 76.96 | 11.90 | 124.9 | 553 | 66.6 | 17.1 | 742 | 4.34 | 5.3 | 4.8 | 0.7 | 4.8 | 85.5 | 0.81 | 0.42 | 0.34 | 64 | 1.04 | 0.049 |
| H-B-L15N-600 | Soil | 0.56 | 47.51 | 9.56 | 74.8 | 27 | 42.1 | 14.4 | 541 | 3.66 | 6.9 | 0.7 | 3.6 | 7.1 | 39.3 | 0.12 | 0.52 | 0.22 | 54 | 0.45 | 0.069 |
| MP-B-L60-100 | Soil | 1.63 | 15.17 | 11.09 | 44.4 | 1303 | 14.7 | 3.7 | 158 | 2.35 | 1.8 | 0.4 | <0.2 | 1.5 | 39.5 | 0.16 | 0.09 | 0.23 | 76 | 0.19 | 0.150 |
| MP-B-L60-200 | Soil | 1.70 | 23.70 | 3.40 | 87.0 | 349 | 8.1 | 3.4 | 254 | 3.20 | 0.2 | 0.4 | <0.2 | 2.1 | 23.2 | 0.20 | 0.04 | 0.09 | 164 | 0.12 | 0.120 |
| MP-B-L60-300 | Soil | 3.13 | 25.93 | 10.39 | 55.2 | 233 | 18.7 | 4.0 | 194 | 3.01 | 0.8 | 0.4 | <0.2 | 1.0 | 40.3 | 0.21 | 0.12 | 0.20 | 117 | 0.21 | 0.127 |
| MP-B-L60-400 | Soil | 1.47 | 18.17 | 7.47 | 43.5 | 267 | 13.4 | 3.4 | 113 | 2.60 | 1.2 | 0.5 | <0.2 | 1.6 | 31.8 | 0.37 | 0.09 | 0.16 | 68 | 0.22 | 0.155 |
| MP-B-L60-500 | Soil | 1.38 | 180.1 | 6.94 | 58.7 | 413 | 20.8 | 7.0 | 290 | 3.88 | 1.5 | 0.5 | <0.2 | 2.2 | 35.2 | 0.19 | 0.12 | 0.22 | 84 | 0.23 | 0.257 |
| MP-B-L60-700 | Soil | 0.84 | 95.84 | 7.32 | 56.0 | 203 | 19.7 | 22.0 | 516 | 2.66 | 0.5 | 0.5 | 0.3 | 1.1 | 53.5 | 0.16 | 0.05 | 0.17 | 84 | 0.68 | 0.198 |
| MP-B-L60-800 | Soil | 0.87 | 86.98 | 9.14 | 39.5 | 614 | 11.6 | 6.2 | 313 | 2.63 | 0.8 | 0.4 | <0.2 | 1.1 | 40.3 | 0.16 | 0.10 | 0.21 | 75 | 0.41 | 0.212 |
| MP-B-L60-850 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L60-1300 | Soil | 1.15 | 28.28 | 18.28 | 43.8 | 98 | 13.3 | 3.6 | 152 | 1.50 | 0.7 | 0.5 | 0.5 | 1.6 | 40.7 | 0.12 | 0.07 | 0.36 | 37 | 0.29 | 0.088 |
| MP-B-L60-1450 | Soil | 1.41 | 27.60 | 18.91 | 78.8 | 236 | 19.7 | 5.1 | 215 | 2.78 | 2.7 | 0.6 | <0.2 | 1.8 | 39.6 | 0.26 | 0.16 | 0.39 | 76 | 0.34 | 0.188 |
| MP-B-L60-1500 | Soil | 1.23 | 25.93 | 9.35 | 54.8 | 419 | 21.7 | 4.9 | 173 | 1.77 | 1.4 | 0.6 | 2.8 | 1.7 | 31.6 | 0.24 | 0.10 | 0.22 | 40 | 0.28 | 0.093 |
| MP-B-L60-1550 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L60-1600 | Soil | 1.10 | 17.39 | 11.67 | 51.0 | 294 | 20.7 | 5.4 | 212 | 1.56 | 1.1 | 0.6 | 0.7 | 2.0 | 29.8 | 0.16 | 0.06 | 0.29 | 42 | 0.26 | 0.062 |
| MP-B-L60-1650 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L60-1700 | Soil | 3.59 | 59.94 | 14.51 | 92.2 | 723 | 46.9 | 17.5 | 757 | 3.30 | 2.0 | 2.1 | 0.5 | 1.1 | 49.8 | 0.53 | 0.12 | 0.44 | 78 | 0.39 | 0.093 |
| MP-B-L60-1750 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L60-1800 | Soil | 0.82 | 12.99 | 5.63 | 39.7 | 67 | 16.9 | 4.2 | 160 | 1.28 | 1.0 | 0.4 | 1.9 | 1.8 | 30.3 | 0.14 | 0.06 | 0.12 | 35 | 0.30 | 0.087 |
| MP-B-L60-1850 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L60-1950 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L60-2000 | Soil | 3.23 | 52.73 | 10.83 | 88.4 | 481 | 35.8 | 10.8 | 487 | 2.67 | 1.9 | 1.2 | 0.5 | 1.2 | 42.1 | 0.24 | 0.13 | 0.29 | 55 | 0.33 | 0.091 |
| MP-B-L60-2050 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L60-2100 | Soil | 1.42 | 42.41 | 6.98 | 53.9 | 57 | 30.2 | 8.3 | 377 | 2.15 | 2.5 | 1.2 | 0.7 | 4.1 | 39.2 | 0.17 | 0.29 | 0.31 | 46 | 0.34 | 0.081 |
| MP-B-L60-2150 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L60-2200 | Soil | 1.30 | 28.73 | 6.88 | 44.7 | 75 | 26.1 | 6.8 | 279 | 1.76 | 2.1 | 0.9 | 0.5 | 2.6 | 24.2 | 0.15 | 0.16 | 0.21 | 39 | 0.23 | 0.070 |
| MP-B-L60-2300 | Soil | 0.87 | 13.54 | 8.08 | 42.6 | 205 | 18.7 | 3.9 | 146 | 1.59 | 1.0 | 0.6 | <0.2 | 2.9 | 21.7 | 0.18 | 0.09 | 0.28 | 36 | 0.20 | 0.066 |
| MP-B-L60-2400 | Soil | 0.96 | 23.13 | 6.91 | 54.5 | 337 | 31.3 | 6.3 | 305 | 1.91 | 2.2 | 0.9 | 0.5 | 2.9 | 27.9 | 0.22 | 0.14 | 0.31 | 41 | 0.32 | 0.083 |
| MP-B-L60-2500 | Soil | 3.10 | 19.10 | 6.25 | 48.8 | 283 | 38.6 | 5.4 | 175 | 1.97 | 2.2 | 1.0 | 0.4 | 3.3 | 27.3 | 0.25 | 0.13 | 0.39 | 43 | 0.27 | 0.070 |

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 Report Date: July 22, 2010

Page: 5 of 13 Part 2

CERTIFICATE OF ANALYSIS

VAN10002973.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|---------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Sc | Tl | S | Hg | Se | Te | Ga | Cs | Ge | Hf |
| Unit | | ppm | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | % | ppb | ppm | ppm | ppm | ppm | ppm | ppm | |
| MDL | | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.02 | |
| H-B-L5N-1700 | Soil | 16.6 | 52.8 | 0.71 | 107.8 | 0.053 | 2 | 1.78 | 0.008 | 0.11 | 0.1 | 3.7 | 0.06 | <0.02 | 31 | 0.3 | <0.02 | 5.5 | 1.06 | <0.1 | <0.02 |
| H-B-L15N-200 | Soil | 18.8 | 59.9 | 0.85 | 221.4 | 0.067 | 4 | 2.83 | 0.016 | 0.23 | 0.2 | 6.5 | 0.13 | 0.03 | 52 | 1.3 | 0.02 | 7.5 | 1.79 | <0.1 | 0.07 |
| H-B-L15N-600 | Soil | 20.0 | 49.3 | 0.85 | 108.4 | 0.071 | 2 | 2.11 | 0.012 | 0.16 | 0.1 | 6.1 | 0.14 | <0.02 | 212 | 0.4 | <0.02 | 5.7 | 1.36 | 0.1 | 0.12 |
| MP-B-L60-100 | Soil | 7.8 | 35.0 | 0.32 | 89.3 | 0.065 | <1 | 0.98 | 0.009 | 0.05 | 0.2 | 1.8 | 0.04 | 0.03 | 42 | 0.5 | <0.02 | 5.7 | 0.66 | <0.1 | <0.02 |
| MP-B-L60-200 | Soil | 8.0 | 73.3 | 1.13 | 209.2 | 0.168 | <1 | 1.94 | 0.011 | 0.67 | 0.1 | 7.6 | 0.36 | 0.19 | 48 | 1.9 | 0.06 | 8.4 | 2.22 | 0.1 | <0.02 |
| MP-B-L60-300 | Soil | 8.1 | 50.5 | 0.45 | 213.1 | 0.107 | <1 | 1.02 | 0.010 | 0.11 | 0.1 | 2.1 | 0.06 | 0.11 | 48 | 1.8 | 0.08 | 7.6 | 0.49 | <0.1 | <0.02 |
| MP-B-L60-400 | Soil | 9.5 | 35.0 | 0.22 | 91.7 | 0.056 | <1 | 1.30 | 0.009 | 0.05 | 0.2 | 1.9 | 0.04 | 0.04 | 63 | 0.6 | <0.02 | 4.6 | 0.66 | <0.1 | <0.02 |
| MP-B-L60-500 | Soil | 8.2 | 34.4 | 0.40 | 159.4 | 0.076 | <1 | 1.37 | 0.012 | 0.09 | 0.2 | 2.2 | 0.04 | 0.07 | 58 | 1.1 | 0.03 | 4.7 | 0.53 | <0.1 | 0.03 |
| MP-B-L60-700 | Soil | 8.8 | 29.4 | 0.40 | 97.9 | 0.057 | <1 | 1.12 | 0.023 | 0.07 | 0.1 | 3.0 | 0.04 | <0.02 | 24 | 0.9 | <0.02 | 5.4 | 0.79 | <0.1 | <0.02 |
| MP-B-L60-800 | Soil | 8.1 | 21.1 | 0.19 | 100.6 | 0.054 | <1 | 0.76 | 0.014 | 0.06 | 0.1 | 1.9 | 0.04 | 0.05 | 51 | 0.6 | <0.02 | 4.7 | 0.42 | <0.1 | <0.02 |
| MP-B-L60-850 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L60-1300 | Soil | 9.7 | 18.4 | 0.31 | 89.7 | 0.057 | <1 | 0.84 | 0.010 | 0.05 | <0.1 | 1.7 | 0.05 | 0.02 | 12 | 0.5 | <0.02 | 4.4 | 0.55 | <0.1 | <0.02 |
| MP-B-L60-1450 | Soil | 8.9 | 41.5 | 0.46 | 189.1 | 0.079 | <1 | 1.30 | 0.011 | 0.07 | 0.1 | 2.3 | 0.06 | 0.03 | 32 | 0.5 | 0.04 | 7.7 | 0.71 | <0.1 | <0.02 |
| MP-B-L60-1500 | Soil | 11.7 | 33.8 | 0.42 | 92.2 | 0.051 | 1 | 1.16 | 0.010 | 0.06 | 0.2 | 2.0 | 0.06 | <0.02 | 25 | 0.5 | 0.02 | 4.1 | 0.87 | <0.1 | <0.02 |
| MP-B-L60-1550 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L60-1600 | Soil | 11.5 | 37.5 | 0.47 | 99.0 | 0.056 | <1 | 1.13 | 0.010 | 0.05 | 0.1 | 2.1 | 0.07 | <0.02 | 28 | 0.2 | 0.03 | 4.2 | 1.03 | <0.1 | <0.02 |
| MP-B-L60-1650 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L60-1700 | Soil | 19.4 | 62.2 | 0.61 | 257.9 | 0.039 | 2 | 2.51 | 0.010 | 0.12 | 0.2 | 4.1 | 0.12 | 0.03 | 66 | 0.9 | 0.04 | 8.3 | 1.68 | <0.1 | <0.02 |
| MP-B-L60-1750 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L60-1800 | Soil | 8.4 | 28.9 | 0.39 | 58.1 | 0.055 | <1 | 0.86 | 0.011 | 0.05 | 0.2 | 1.4 | 0.05 | <0.02 | 10 | 0.2 | <0.02 | 3.3 | 0.71 | <0.1 | <0.02 |
| MP-B-L60-1850 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L60-1950 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L60-2000 | Soil | 14.1 | 49.1 | 0.58 | 175.2 | 0.048 | <1 | 1.90 | 0.010 | 0.10 | 0.1 | 3.6 | 0.13 | 0.02 | 63 | 0.7 | 0.04 | 5.6 | 1.56 | <0.1 | <0.02 |
| MP-B-L60-2050 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L60-2100 | Soil | 14.3 | 48.1 | 0.44 | 113.3 | 0.071 | <1 | 1.14 | 0.011 | 0.12 | 0.2 | 3.8 | 0.15 | <0.02 | 23 | 0.5 | 0.02 | 3.8 | 1.48 | <0.1 | 0.04 |
| MP-B-L60-2150 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L60-2200 | Soil | 10.6 | 38.5 | 0.45 | 76.3 | 0.061 | <1 | 1.08 | 0.007 | 0.09 | 0.2 | 2.5 | 0.12 | <0.02 | 22 | 0.3 | <0.02 | 3.6 | 1.25 | <0.1 | <0.02 |
| MP-B-L60-2300 | Soil | 11.5 | 39.9 | 0.38 | 86.3 | 0.053 | 1 | 1.31 | 0.008 | 0.06 | 0.2 | 2.0 | 0.08 | <0.02 | 26 | 0.3 | 0.03 | 5.5 | 1.08 | <0.1 | <0.02 |
| MP-B-L60-2400 | Soil | 14.0 | 45.6 | 0.49 | 97.0 | 0.057 | 2 | 1.38 | 0.009 | 0.09 | 0.2 | 2.2 | 0.11 | <0.02 | 28 | 0.4 | 0.02 | 4.6 | 1.56 | <0.1 | <0.02 |
| MP-B-L60-2500 | Soil | 13.7 | 63.2 | 0.49 | 78.3 | 0.064 | 1 | 1.36 | 0.008 | 0.07 | 0.3 | 1.9 | 0.09 | <0.02 | 30 | 0.3 | <0.02 | 4.7 | 1.71 | <0.1 | <0.02 |

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Project: non-given
 Report Date: July 22, 2010

Page: 5 of 13 Part 3

CERTIFICATE OF ANALYSIS

VAN10002973.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|---------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Nb | Rb | Sn | Ta | Zr | Y | Ce | In | Re | Be | Li | Pd | Pt |
| Unit | MDL | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppb | ppm | ppb | ppb | |
| | | 0.02 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 | 0.1 | 0.02 | 1 | 0.1 | 10 | 2 | |
| H-B-L5N-1700 | Soil | 0.72 | 16.6 | 0.4 | <0.05 | 0.9 | 5.91 | 28.5 | <0.02 | <1 | 0.5 | 23.4 | <10 | <2 |
| H-B-L15N-200 | Soil | 1.80 | 24.3 | 0.6 | <0.05 | 3.4 | 10.43 | 35.6 | 0.04 | <1 | 0.8 | 41.3 | <10 | <2 |
| H-B-L15N-600 | Soil | 0.20 | 12.4 | 0.3 | <0.05 | 6.5 | 9.57 | 37.7 | 0.02 | <1 | 0.3 | 23.8 | <10 | <2 |
| MP-B-L60-100 | Soil | 1.04 | 11.4 | 0.4 | <0.05 | 0.7 | 2.33 | 12.2 | <0.02 | <1 | 0.2 | 5.7 | <10 | <2 |
| MP-B-L60-200 | Soil | 0.64 | 40.6 | 0.2 | <0.05 | 0.5 | 2.12 | 13.3 | <0.02 | <1 | 0.3 | 21.4 | <10 | <2 |
| MP-B-L60-300 | Soil | 0.85 | 8.7 | 0.4 | <0.05 | 0.5 | 2.12 | 13.1 | <0.02 | 2 | 0.2 | 5.2 | <10 | <2 |
| MP-B-L60-400 | Soil | 0.95 | 7.2 | 0.3 | <0.05 | 0.7 | 3.55 | 16.0 | 0.02 | <1 | 0.4 | 8.0 | <10 | <2 |
| MP-B-L60-500 | Soil | 0.68 | 8.6 | 0.4 | <0.05 | 1.1 | 3.15 | 14.0 | 0.02 | <1 | 0.6 | 11.2 | <10 | <2 |
| MP-B-L60-700 | Soil | 0.45 | 8.0 | 0.5 | <0.05 | 0.5 | 3.99 | 15.7 | 0.02 | <1 | 0.2 | 10.3 | <10 | <2 |
| MP-B-L60-800 | Soil | 0.46 | 5.2 | 0.4 | <0.05 | 0.5 | 2.88 | 13.7 | <0.02 | <1 | 0.3 | 5.8 | <10 | <2 |
| MP-B-L60-850 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L60-1300 | Soil | 0.51 | 6.4 | 0.3 | <0.05 | 0.5 | 3.20 | 15.3 | <0.02 | <1 | 0.3 | 9.6 | <10 | <2 |
| MP-B-L60-1450 | Soil | 1.10 | 10.0 | 0.6 | <0.05 | 0.9 | 2.86 | 14.6 | <0.02 | <1 | 0.2 | 10.3 | <10 | <2 |
| MP-B-L60-1500 | Soil | 0.56 | 8.8 | 0.4 | <0.05 | 0.6 | 4.52 | 18.9 | <0.02 | <1 | 0.4 | 12.7 | <10 | <2 |
| MP-B-L60-1550 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L60-1600 | Soil | 0.67 | 11.3 | 0.4 | <0.05 | 0.7 | 3.97 | 18.8 | <0.02 | <1 | 0.1 | 12.2 | <10 | <2 |
| MP-B-L60-1650 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L60-1700 | Soil | 1.11 | 18.1 | 0.7 | <0.05 | 0.4 | 8.26 | 33.4 | 0.04 | 1 | 0.9 | 17.6 | <10 | <2 |
| MP-B-L60-1750 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L60-1800 | Soil | 0.46 | 8.3 | 0.2 | <0.05 | 0.9 | 3.21 | 15.0 | <0.02 | <1 | 0.2 | 11.5 | <10 | <2 |
| MP-B-L60-1850 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L60-1950 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L60-2000 | Soil | 0.64 | 14.3 | 0.5 | <0.05 | 0.5 | 5.89 | 24.0 | 0.03 | <1 | 0.6 | 19.2 | <10 | <2 |
| MP-B-L60-2050 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L60-2100 | Soil | 0.46 | 12.5 | 0.3 | <0.05 | 2.5 | 7.35 | 26.2 | <0.02 | <1 | 0.5 | 13.1 | <10 | 2 |
| MP-B-L60-2150 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L60-2200 | Soil | 0.57 | 11.5 | 0.4 | <0.05 | 1.1 | 4.44 | 19.4 | <0.02 | <1 | 0.3 | 13.0 | <10 | <2 |
| MP-B-L60-2300 | Soil | 0.95 | 15.0 | 0.6 | <0.05 | 0.8 | 3.04 | 20.3 | 0.02 | <1 | 0.2 | 13.8 | <10 | <2 |
| MP-B-L60-2400 | Soil | 0.76 | 15.7 | 0.5 | <0.05 | 0.7 | 4.87 | 24.5 | <0.02 | <1 | 0.3 | 19.3 | <10 | <2 |
| MP-B-L60-2500 | Soil | 0.99 | 12.7 | 0.6 | <0.05 | 0.7 | 3.97 | 24.5 | <0.02 | <1 | 0.4 | 26.5 | <10 | <2 |

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Project: non-given
 Report Date: July 22, 2010

Page: 6 of 13 Part 1

CERTIFICATE OF ANALYSIS

VAN10002973.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|---------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P |
| Unit | | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| MDL | | 0.01 | 0.01 | 0.01 | 0.1 | 2 | 0.1 | 0.1 | 1 | 0.01 | 0.1 | 0.2 | 0.1 | 0.5 | 0.01 | 0.02 | 0.02 | 2 | 0.01 | 0.001 | |
| MP-B-L60-2700 | Soil | 1.10 | 13.61 | 6.09 | 50.3 | 109 | 29.1 | 8.0 | 606 | 1.72 | 2.3 | 0.9 | <0.2 | 3.5 | 20.7 | 0.24 | 0.15 | 0.28 | 38 | 0.29 | 0.104 |
| MP-B-L60-2800 | Soil | 1.11 | 9.50 | 6.93 | 52.4 | 210 | 21.4 | 4.2 | 137 | 1.73 | 2.7 | 1.0 | 0.4 | 3.0 | 17.1 | 0.21 | 0.13 | 0.41 | 38 | 0.15 | 0.064 |
| MP-B-L70-0 | Soil | 0.73 | 19.75 | 16.20 | 48.2 | 110 | 17.7 | 6.0 | 434 | 1.86 | 1.7 | 0.7 | 1.5 | 1.8 | 89.4 | 0.16 | 0.15 | 0.27 | 48 | 0.57 | 0.102 |
| MP-B-L70-100 | Soil | 0.83 | 21.10 | 12.67 | 50.8 | 140 | 19.6 | 7.1 | 308 | 1.98 | 3.0 | 0.6 | 0.4 | 1.2 | 63.8 | 0.17 | 0.25 | 0.20 | 47 | 0.43 | 0.099 |
| MP-B-L70-200 | Soil | 0.85 | 13.16 | 8.14 | 58.0 | 176 | 22.4 | 5.4 | 224 | 2.22 | 2.4 | 0.5 | <0.2 | 1.2 | 36.8 | 0.32 | 0.17 | 0.22 | 47 | 0.34 | 0.164 |
| MP-B-L70-300 | Soil | 0.71 | 22.11 | 9.69 | 43.8 | 265 | 10.5 | 3.1 | 234 | 1.33 | 0.9 | 0.4 | <0.2 | 0.3 | 75.2 | 0.23 | 0.11 | 0.19 | 39 | 0.43 | 0.060 |
| MP-B-L70-400 | Soil | 0.42 | 11.85 | 7.12 | 41.0 | 399 | 6.8 | 4.0 | 258 | 1.91 | 0.9 | 0.5 | <0.2 | 3.1 | 56.9 | 0.11 | 0.07 | 0.15 | 44 | 0.27 | 0.170 |
| MP-B-L70-500 | Soil | 1.20 | 18.24 | 9.13 | 62.4 | 101 | 21.1 | 5.6 | 217 | 3.60 | 2.8 | 0.7 | <0.2 | 3.0 | 45.4 | 0.10 | 0.15 | 0.24 | 89 | 0.25 | 0.168 |
| MP-B-L70-550 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L70-650 | Soil | 0.73 | 11.38 | 6.07 | 48.8 | 110 | 12.1 | 3.9 | 168 | 1.79 | 1.1 | 0.5 | <0.2 | 1.9 | 78.8 | 0.14 | 0.06 | 0.14 | 44 | 0.43 | 0.155 |
| MP-B-L70-700 | Soil | 0.65 | 30.85 | 6.64 | 43.4 | 52 | 15.0 | 7.6 | 400 | 2.79 | 1.1 | 0.7 | <0.2 | 3.2 | 255.4 | 0.11 | 0.07 | 0.09 | 99 | 1.29 | 0.197 |
| MP-B-L70-750 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L70-800 | Soil | 0.87 | 176.3 | 12.15 | 77.6 | 145 | 51.7 | 15.3 | 585 | 3.28 | 1.1 | 0.7 | <0.2 | 4.0 | 164.4 | 0.22 | 0.12 | 0.20 | 88 | 0.91 | 0.224 |
| MP-B-L70-850 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L70-900 | Soil | 0.71 | 68.74 | 10.97 | 63.0 | 111 | 27.8 | 9.8 | 519 | 2.56 | 1.1 | 0.5 | <0.2 | 2.8 | 213.9 | 0.18 | 0.09 | 0.10 | 67 | 1.14 | 0.204 |
| MP-B-L70-950 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L70-1000 | Soil | 1.45 | 176.6 | 4.84 | 112.1 | 571 | 42.2 | 15.2 | 547 | 3.74 | 0.9 | 0.7 | <0.2 | 2.3 | 119.8 | 0.41 | 0.07 | 0.07 | 116 | 0.66 | 0.166 |
| MP-B-L70-1050 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L70-1100 | Soil | 1.15 | 25.07 | 7.38 | 44.5 | 65 | 21.9 | 4.5 | 150 | 2.26 | 1.7 | 0.5 | <0.2 | 2.3 | 41.1 | 0.11 | 0.10 | 0.16 | 68 | 0.36 | 0.158 |
| MP-B-L70-1200 | Soil | 1.64 | 72.75 | 9.22 | 62.2 | 39 | 45.1 | 10.8 | 485 | 2.82 | 2.8 | 0.9 | <0.2 | 4.6 | 70.7 | 0.12 | 0.29 | 0.21 | 64 | 0.55 | 0.128 |
| MP-B-L70-1300 | Soil | 4.09 | 42.48 | 9.20 | 75.0 | 439 | 26.1 | 7.5 | 501 | 2.77 | 1.8 | 0.9 | <0.2 | 1.7 | 69.0 | 0.39 | 0.21 | 0.18 | 51 | 0.25 | 0.090 |
| MP-B-L70-1350 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L70-1700 | Soil | 1.40 | 16.93 | 5.73 | 54.6 | 171 | 23.6 | 4.9 | 221 | 1.87 | 2.0 | 0.5 | <0.2 | 1.9 | 30.1 | 0.26 | 0.16 | 0.13 | 39 | 0.28 | 0.087 |
| MP-B-L70-1800 | Soil | 3.46 | 19.53 | 6.90 | 68.3 | 279 | 26.9 | 10.0 | 325 | 1.92 | 2.0 | 2.5 | <0.2 | 2.0 | 27.5 | 0.36 | 0.14 | 0.15 | 32 | 0.32 | 0.063 |
| MP-B-L70-1900 | Soil | 1.88 | 34.10 | 8.97 | 81.2 | 443 | 31.2 | 9.9 | 341 | 2.35 | 2.7 | 1.1 | 0.5 | 1.1 | 37.4 | 0.39 | 0.15 | 0.20 | 48 | 0.32 | 0.083 |
| MP-B-L70-2100 | Soil | 0.70 | 16.17 | 5.13 | 65.0 | 148 | 24.4 | 9.2 | 342 | 1.68 | 1.5 | 0.9 | <0.2 | 1.7 | 29.4 | 0.31 | 0.11 | 0.12 | 36 | 0.35 | 0.049 |
| MP-B-L70-2200 | Soil | 7.48 | 91.54 | 7.43 | 189.0 | 187 | 90.0 | 23.0 | 504 | 4.42 | 2.7 | 1.0 | 0.8 | 4.2 | 27.5 | 0.69 | 0.38 | 0.20 | 65 | 0.26 | 0.124 |
| MP-B-L70-2300 | Soil | 1.30 | 32.08 | 5.54 | 71.3 | 435 | 29.8 | 8.2 | 286 | 2.18 | 1.8 | 0.5 | 0.5 | 2.5 | 24.7 | 0.54 | 0.18 | 0.10 | 40 | 0.24 | 0.098 |
| MP-B-L55-0 | Soil | 0.91 | 10.96 | 10.90 | 27.1 | 123 | 11.9 | 3.3 | 158 | 2.32 | 2.3 | 0.4 | <0.2 | 1.6 | 110.4 | 0.08 | 0.12 | 0.26 | 67 | 0.21 | 0.119 |
| MP-B-L55-600M | Soil | 2.46 | 26.81 | 19.43 | 34.1 | 773 | 13.8 | 12.6 | 2101 | 2.65 | 1.5 | 1.3 | <0.2 | 0.6 | 50.7 | 0.13 | 0.09 | 0.32 | 84 | 0.27 | 0.148 |

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Project: non-given
 Report Date: July 22, 2010

Page: 6 of 13 Part 2

CERTIFICATE OF ANALYSIS

VAN10002973.1

| Method | Analyte | Unit | MDL | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | | |
|---------------|---------|------|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Sc | Ti | S | Hg | Se | Te | Ga | Cs | Ge | Hf |
| | | | | ppm | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | | |
| | | | | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.01 | 0.02 | 0.02 | 5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.1 | | |
| MP-B-L60-2700 | Soil | | | 12.9 | 50.3 | 0.49 | 79.6 | 0.060 | 1 | 1.15 | 0.010 | 0.09 | 0.6 | 2.1 | 0.13 | <0.02 | 23 | 0.3 | 0.04 | 3.5 | 2.11 | <0.1 | <0.02 |
| MP-B-L60-2800 | Soil | | | 14.4 | 50.5 | 0.35 | 72.0 | 0.050 | 1 | 1.51 | 0.009 | 0.05 | 0.4 | 1.9 | 0.10 | <0.02 | 44 | 0.3 | <0.02 | 5.1 | 1.91 | <0.1 | <0.02 |
| MP-B-L70-0 | Soil | | | 15.0 | 27.1 | 0.37 | 161.3 | 0.051 | 1 | 1.11 | 0.019 | 0.07 | <0.1 | 2.9 | 0.04 | <0.02 | 22 | 0.3 | <0.02 | 3.7 | 0.50 | <0.1 | <0.02 |
| MP-B-L70-100 | Soil | | | 11.9 | 32.3 | 0.36 | 128.8 | 0.052 | 1 | 1.08 | 0.014 | 0.06 | <0.1 | 2.5 | 0.04 | <0.02 | 34 | 0.2 | <0.02 | 3.5 | 0.57 | <0.1 | <0.02 |
| MP-B-L70-200 | Soil | | | 9.9 | 38.2 | 0.37 | 96.6 | 0.045 | <1 | 1.29 | 0.012 | 0.05 | <0.1 | 1.8 | 0.04 | <0.02 | 40 | 0.2 | <0.02 | 4.0 | 0.54 | <0.1 | <0.02 |
| MP-B-L70-300 | Soil | | | 6.2 | 31.6 | 0.13 | 169.4 | 0.032 | 3 | 0.48 | 0.012 | 0.05 | <0.1 | 1.5 | 0.04 | 0.04 | 63 | 0.2 | 0.03 | 2.8 | 0.53 | <0.1 | <0.02 |
| MP-B-L70-400 | Soil | | | 11.8 | 14.9 | 0.18 | 113.2 | 0.053 | 1 | 0.92 | 0.015 | 0.07 | <0.1 | 2.1 | 0.04 | <0.02 | 30 | 0.2 | <0.02 | 5.8 | 0.46 | <0.1 | <0.02 |
| MP-B-L70-500 | Soil | | | 17.5 | 43.2 | 0.35 | 200.8 | 0.063 | 1 | 1.87 | 0.009 | 0.05 | 0.1 | 2.3 | 0.04 | <0.02 | 32 | 0.3 | <0.02 | 7.5 | 1.12 | <0.1 | 0.02 |
| MP-B-L70-550 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L70-650 | Soil | | | 8.4 | 30.3 | 0.24 | 128.1 | 0.048 | <1 | 1.02 | 0.012 | 0.04 | <0.1 | 1.7 | 0.03 | <0.02 | 46 | 0.2 | 0.03 | 4.1 | 0.45 | <0.1 | <0.02 |
| MP-B-L70-700 | Soil | | | 13.3 | 33.0 | 0.31 | 228.6 | 0.047 | 1 | 1.66 | 0.023 | 0.12 | 0.5 | 2.7 | 0.06 | <0.02 | 19 | 0.3 | <0.02 | 5.0 | 1.04 | <0.1 | <0.02 |
| MP-B-L70-750 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L70-800 | Soil | | | 17.2 | 64.3 | 0.88 | 182.7 | 0.087 | 1 | 1.42 | 0.028 | 0.26 | <0.1 | 4.5 | 0.17 | 0.03 | 18 | 1.2 | 0.04 | 5.1 | 1.15 | <0.1 | 0.04 |
| MP-B-L70-850 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L70-900 | Soil | | | 12.3 | 40.6 | 0.51 | 155.4 | 0.067 | <1 | 1.90 | 0.028 | 0.18 | <0.1 | 3.5 | 0.08 | <0.02 | 1715 | 0.7 | 0.02 | 5.8 | 1.06 | <0.1 | 0.02 |
| MP-B-L70-950 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L70-1000 | Soil | | | 10.4 | 63.9 | 0.95 | 258.4 | 0.113 | <1 | 1.92 | 0.023 | 0.31 | <0.1 | 4.0 | 0.20 | 0.08 | 41 | 2.1 | 0.03 | 6.9 | 1.10 | 0.1 | <0.02 |
| MP-B-L70-1050 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L70-1100 | Soil | | | 8.9 | 43.4 | 0.39 | 74.0 | 0.073 | 1 | 1.21 | 0.010 | 0.08 | 0.1 | 2.1 | 0.05 | <0.02 | 23 | 0.3 | <0.02 | 5.1 | 0.74 | <0.1 | 0.03 |
| MP-B-L70-1200 | Soil | | | 17.7 | 56.6 | 0.71 | 160.8 | 0.090 | <1 | 1.45 | 0.017 | 0.18 | 0.1 | 4.9 | 0.16 | <0.02 | 28 | 0.7 | 0.03 | 4.2 | 1.33 | <0.1 | 0.11 |
| MP-B-L70-1300 | Soil | | | 13.9 | 41.2 | 0.55 | 124.1 | 0.060 | 1 | 1.36 | 0.009 | 0.12 | <0.1 | 1.8 | 0.14 | 0.05 | 45 | 1.1 | 0.03 | 5.3 | 1.28 | <0.1 | <0.02 |
| MP-B-L70-1350 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L70-1700 | Soil | | | 9.4 | 39.5 | 0.45 | 83.9 | 0.066 | 2 | 1.22 | 0.006 | 0.07 | 0.1 | 1.9 | 0.06 | <0.02 | 22 | 0.3 | <0.02 | 3.5 | 0.84 | <0.1 | <0.02 |
| MP-B-L70-1800 | Soil | | | 12.6 | 40.6 | 0.44 | 82.8 | 0.043 | <1 | 1.12 | 0.006 | 0.06 | <0.1 | 2.2 | 0.09 | <0.02 | 43 | 0.6 | 0.03 | 2.8 | 0.93 | <0.1 | <0.02 |
| MP-B-L70-1900 | Soil | | | 13.1 | 49.2 | 0.56 | 116.7 | 0.039 | 1 | 1.85 | 0.010 | 0.09 | <0.1 | 2.9 | 0.12 | <0.02 | 56 | 0.4 | 0.05 | 5.0 | 1.34 | <0.1 | <0.02 |
| MP-B-L70-2100 | Soil | | | 11.5 | 32.6 | 0.42 | 104.3 | 0.045 | <1 | 1.27 | 0.006 | 0.06 | <0.1 | 2.3 | 0.06 | <0.02 | 23 | 0.4 | <0.02 | 3.5 | 0.74 | <0.1 | <0.02 |
| MP-B-L70-2200 | Soil | | | 10.7 | 42.0 | 1.18 | 287.3 | 0.075 | <1 | 2.02 | 0.005 | 0.42 | <0.1 | 2.7 | 0.41 | <0.02 | 12 | 2.1 | 0.06 | 5.3 | 2.90 | <0.1 | 0.03 |
| MP-B-L70-2300 | Soil | | | 9.3 | 33.4 | 0.66 | 113.3 | 0.066 | <1 | 1.50 | 0.005 | 0.27 | <0.1 | 2.0 | 0.17 | <0.02 | 23 | 0.6 | <0.02 | 3.7 | 1.53 | <0.1 | <0.02 |
| MP-B-L55-0 | Soil | | | 8.0 | 31.4 | 0.20 | 99.5 | 0.060 | <1 | 0.95 | 0.014 | 0.04 | 0.2 | 1.5 | 0.02 | <0.02 | 34 | 0.2 | 0.02 | 5.7 | 0.38 | <0.1 | <0.02 |
| MP-B-L55-600M | Soil | | | 21.1 | 28.1 | 0.27 | 125.1 | 0.044 | 2 | 1.26 | 0.013 | 0.06 | 0.2 | 1.6 | 0.06 | 0.04 | 51 | 0.4 | <0.02 | 6.9 | 1.73 | <0.1 | <0.02 |

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Project: non-given
 Report Date: July 22, 2010

Page: 6 of 13 Part 3

CERTIFICATE OF ANALYSIS

VAN10002973.1

| Method | Analyte | Unit | MDL | 1F15 Nb | 1F15 Rb | 1F15 Sn | 1F15 Ta | 1F15 Zr | 1F15 Y | 1F15 Ce | 1F15 In | 1F15 Re | 1F15 Be | 1F15 Li | 1F15 Pd | 1F15 Pt |
|---------------|---------|------|-----|---------|---------|---------|---------|---------|--------|---------|---------|---------|---------|---------|---------|---------|
| | | | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppb | ppm | ppb | ppb | ppb |
| | | | | 0.02 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 | 0.1 | 0.02 | 1 | 0.1 | 0.1 | 10 | 2 |
| MP-B-L60-2700 | Soil | | | 0.48 | 13.3 | 0.4 | <0.05 | 0.7 | 5.41 | 24.4 | <0.02 | <1 | 0.3 | 18.1 | <10 | <2 |
| MP-B-L60-2800 | Soil | | | 0.97 | 14.2 | 0.6 | <0.05 | 0.5 | 3.47 | 26.1 | <0.02 | <1 | 0.2 | 24.8 | <10 | <2 |
| MP-B-L70-0 | Soil | | | 0.53 | 6.9 | 0.3 | <0.05 | 0.6 | 5.30 | 22.0 | <0.02 | <1 | 0.4 | 8.9 | <10 | <2 |
| MP-B-L70-100 | Soil | | | 0.57 | 5.6 | 0.3 | <0.05 | 0.7 | 4.05 | 19.9 | <0.02 | <1 | 0.5 | 6.3 | <10 | <2 |
| MP-B-L70-200 | Soil | | | 0.58 | 5.9 | 0.3 | <0.05 | 0.5 | 3.17 | 17.0 | <0.02 | <1 | 0.2 | 12.6 | <10 | <2 |
| MP-B-L70-300 | Soil | | | 0.57 | 4.3 | 0.4 | <0.05 | 0.3 | 1.87 | 10.0 | <0.02 | <1 | 0.2 | 1.5 | <10 | <2 |
| MP-B-L70-400 | Soil | | | 0.62 | 6.6 | 0.5 | <0.05 | 0.5 | 2.36 | 13.1 | <0.02 | <1 | 0.5 | 6.5 | <10 | <2 |
| MP-B-L70-500 | Soil | | | 1.46 | 7.9 | 0.5 | <0.05 | 1.2 | 4.13 | 23.7 | 0.04 | <1 | 1.0 | 19.0 | <10 | <2 |
| MP-B-L70-550 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L70-650 | Soil | | | 0.97 | 4.5 | 0.3 | <0.05 | 0.6 | 3.17 | 13.9 | <0.02 | <1 | 0.3 | 10.1 | <10 | <2 |
| MP-B-L70-700 | Soil | | | 0.55 | 6.3 | 0.3 | <0.05 | 0.6 | 5.27 | 20.2 | <0.02 | <1 | 0.7 | 5.8 | <10 | <2 |
| MP-B-L70-750 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L70-800 | Soil | | | 0.62 | 18.2 | 0.4 | <0.05 | 1.8 | 6.63 | 30.9 | 0.02 | <1 | 0.6 | 9.7 | <10 | <2 |
| MP-B-L70-850 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L70-900 | Soil | | | 0.62 | 9.8 | 0.4 | <0.05 | 1.0 | 4.95 | 21.6 | 0.02 | <1 | 0.7 | 8.0 | <10 | <2 |
| MP-B-L70-950 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L70-1000 | Soil | | | 0.71 | 18.9 | 0.4 | <0.05 | 1.1 | 4.68 | 17.7 | <0.02 | <1 | 0.3 | 11.4 | <10 | <2 |
| MP-B-L70-1050 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L70-1100 | Soil | | | 0.87 | 9.3 | 0.4 | <0.05 | 1.5 | 3.36 | 15.2 | <0.02 | <1 | 0.3 | 9.4 | <10 | <2 |
| MP-B-L70-1200 | Soil | | | 0.32 | 12.4 | 0.4 | <0.05 | 5.2 | 9.56 | 30.4 | 0.02 | 1 | 0.5 | 11.4 | <10 | <2 |
| MP-B-L70-1300 | Soil | | | 0.77 | 14.1 | 0.4 | <0.05 | 0.4 | 5.88 | 25.3 | <0.02 | <1 | 0.3 | 14.1 | <10 | <2 |
| MP-B-L70-1350 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L70-1700 | Soil | | | 0.44 | 9.9 | 0.3 | <0.05 | 0.8 | 3.44 | 17.0 | <0.02 | <1 | 0.3 | 12.0 | <10 | <2 |
| MP-B-L70-1800 | Soil | | | 0.32 | 8.3 | 0.2 | <0.05 | 0.5 | 5.75 | 24.7 | <0.02 | <1 | 0.2 | 10.5 | <10 | <2 |
| MP-B-L70-1900 | Soil | | | 0.51 | 15.3 | 0.4 | <0.05 | 0.5 | 5.85 | 23.7 | 0.02 | 1 | 0.5 | 15.0 | <10 | <2 |
| MP-B-L70-2100 | Soil | | | 0.44 | 9.5 | 0.2 | <0.05 | 0.8 | 5.09 | 21.0 | <0.02 | <1 | 0.2 | 15.5 | <10 | <2 |
| MP-B-L70-2200 | Soil | | | 0.23 | 37.7 | 0.2 | <0.05 | 2.5 | 6.43 | 23.5 | <0.02 | 2 | 0.3 | 22.7 | <10 | <2 |
| MP-B-L70-2300 | Soil | | | 0.43 | 18.6 | 0.2 | <0.05 | 1.4 | 4.57 | 17.1 | <0.02 | <1 | 0.2 | 16.3 | <10 | <2 |
| MP-B-L55-0 | Soil | | | 0.97 | 3.5 | 0.5 | <0.05 | 0.5 | 1.97 | 13.9 | <0.02 | <1 | 0.2 | 5.0 | <10 | <2 |
| MP-B-L55-600M | Soil | | | 0.48 | 12.7 | 0.5 | <0.05 | 0.2 | 3.87 | 30.4 | 0.02 | <1 | 0.7 | 10.4 | <10 | <2 |

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Project: non-given
 Report Date: July 22, 2010

Page: 7 of 13 Part 1

CERTIFICATE OF ANALYSIS

VAN10002973.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|-----------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P |
| Unit | MDL | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| | | 0.01 | 0.01 | 0.01 | 0.1 | 2 | 0.1 | 0.1 | 1 | 0.01 | 0.1 | 0.2 | 0.1 | 0.5 | 0.01 | 0.02 | 0.02 | 0.02 | 2 | 0.01 | 0.001 |
| MP-B-L55-700M | Soil | 0.53 | 12.80 | 19.76 | 40.1 | 870 | 10.1 | 3.0 | 228 | 1.41 | 0.7 | 0.7 | <0.2 | 2.6 | 95.2 | 0.08 | 0.06 | 0.47 | 35 | 0.31 | 0.086 |
| MP-B-L55-800M | Soil | 1.39 | 9.74 | 12.79 | 55.1 | 288 | 15.3 | 3.8 | 153 | 4.35 | 3.8 | 0.7 | <0.2 | 2.4 | 17.7 | 0.13 | 0.13 | 0.25 | 124 | 0.11 | 0.286 |
| MP-B-L55-900M | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L55-1000M | Soil | 1.61 | 11.57 | 42.60 | 23.4 | 426 | 10.7 | 2.4 | 78 | 4.88 | 3.5 | 0.7 | <0.2 | 2.4 | 54.0 | 0.21 | 0.16 | 0.91 | 104 | 0.12 | 0.138 |
| MP-B-L55-1100M | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L55-1200M | Soil | 0.34 | 46.10 | 19.94 | 51.7 | 505 | 8.5 | 3.7 | 291 | 2.00 | 0.4 | 1.0 | <0.2 | 1.8 | 160.0 | 0.08 | 0.05 | 0.29 | 62 | 0.36 | 0.067 |
| MP-B-L55-1300M | Soil | 0.89 | 20.14 | 6.38 | 38.7 | 615 | 12.6 | 2.3 | 74 | 1.24 | 0.8 | 0.5 | 0.6 | 0.8 | 39.5 | 0.13 | 0.07 | 0.18 | 34 | 0.14 | 0.060 |
| MP-B-L55-1400M | Soil | 1.43 | 22.70 | 17.31 | 48.7 | 1110 | 18.8 | 4.1 | 163 | 3.05 | 2.1 | 0.6 | <0.2 | 3.0 | 48.6 | 0.18 | 0.17 | 0.38 | 77 | 0.22 | 0.287 |
| MP-B-L55-1500M | Soil | 1.28 | 10.83 | 7.84 | 59.2 | 314 | 16.8 | 3.5 | 115 | 3.20 | 2.4 | 0.7 | <0.2 | 3.1 | 18.5 | 0.11 | 0.11 | 0.27 | 74 | 0.15 | 0.145 |
| MP-B-L55-1600M | Soil | 1.33 | 16.49 | 8.42 | 51.7 | 848 | 20.9 | 4.9 | 202 | 4.03 | 2.7 | 0.7 | <0.2 | 3.3 | 29.3 | 0.15 | 0.15 | 0.33 | 108 | 0.20 | 0.389 |
| MP-B-L55-1700M | Soil | 1.15 | 20.59 | 6.64 | 41.7 | 536 | 15.6 | 4.3 | 320 | 1.40 | 1.4 | 0.5 | <0.2 | 0.9 | 29.8 | 0.26 | 0.11 | 0.15 | 37 | 0.23 | 0.074 |
| MP-B-L55-1800M | Soil | 1.21 | 5.55 | 7.44 | 24.1 | 307 | 5.3 | 1.8 | 98 | 1.00 | 0.6 | 0.3 | 2.1 | 0.9 | 13.8 | 0.16 | 0.07 | 0.15 | 23 | 0.11 | 0.044 |
| MP-B-L55-1900M | Soil | 1.53 | 12.76 | 7.03 | 49.9 | 129 | 14.0 | 3.7 | 157 | 1.79 | 1.5 | 0.4 | 3.9 | 2.0 | 19.2 | 0.18 | 0.10 | 0.15 | 38 | 0.16 | 0.066 |
| MP-B-L55-2000M | Soil | 0.87 | 16.95 | 8.21 | 34.5 | 162 | 14.5 | 3.8 | 136 | 1.29 | 0.9 | 0.5 | 2.4 | 1.1 | 24.6 | 0.16 | 0.07 | 0.26 | 34 | 0.20 | 0.036 |
| MP-B-L55-2100M | Soil | 0.86 | 15.39 | 8.47 | 41.8 | 332 | 14.6 | 3.4 | 123 | 1.34 | 0.9 | 0.5 | 0.7 | 0.6 | 18.1 | 0.14 | 0.06 | 0.24 | 30 | 0.17 | 0.063 |
| MP-B-L55-2200M | Soil | 0.93 | 29.78 | 9.74 | 39.9 | 163 | 10.3 | 4.3 | 291 | 1.37 | 0.5 | 0.5 | <0.2 | 1.1 | 90.8 | 0.16 | 0.05 | 0.26 | 37 | 0.12 | 0.061 |
| MP-B-L55-2300M | Soil | 0.91 | 54.61 | 15.07 | 49.7 | 163 | 17.9 | 2.9 | 114 | 2.26 | 0.9 | 0.8 | 0.3 | 2.6 | 37.2 | 0.13 | 0.13 | 0.62 | 66 | 0.08 | 0.113 |
| MP-B-L55-2400M | Soil | 1.56 | 43.60 | 7.59 | 28.6 | 226 | 14.1 | 2.6 | 126 | 1.35 | 0.5 | 1.0 | 0.5 | 0.7 | 26.9 | 0.08 | 0.06 | 0.42 | 42 | 0.12 | 0.036 |
| MP-B-L55-2500M | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR70-100M | Soil | 0.60 | 79.08 | 10.84 | 21.1 | 157 | 7.6 | 3.6 | 91 | 1.91 | 0.4 | 0.3 | 1.6 | 1.8 | 52.7 | 0.08 | 0.06 | 0.18 | 61 | 0.16 | 0.071 |
| MP-B-OR70-200M | Soil | 0.76 | 94.76 | 5.63 | 152.2 | 129 | 48.0 | 17.8 | 737 | 4.79 | 0.7 | 0.3 | 0.4 | 1.4 | 67.5 | 0.09 | 0.06 | 0.10 | 130 | 0.53 | 0.176 |
| MP-B-O70-300M | Soil | 0.43 | 444.4 | 2.50 | 86.2 | 148 | 21.8 | 16.5 | 481 | 4.81 | 0.8 | 0.3 | <0.2 | 1.9 | 97.8 | 0.14 | 0.07 | 0.06 | 107 | 1.11 | 0.378 |
| MP-B-OR70-400M | Soil | 0.88 | 55.65 | 8.83 | 53.3 | 176 | 23.0 | 5.9 | 192 | 1.75 | 0.9 | 0.6 | <0.2 | 1.1 | 48.6 | 0.12 | 0.06 | 0.19 | 46 | 0.36 | 0.119 |
| MP-B-O70-500M | Soil | 0.96 | 50.29 | 6.81 | 47.4 | 99 | 19.2 | 6.3 | 222 | 1.75 | 0.8 | 0.5 | 0.2 | 1.2 | 57.4 | 0.14 | 0.09 | 0.13 | 45 | 0.50 | 0.157 |
| MP-B-OR70-600M | Soil | 1.21 | 69.26 | 8.35 | 59.8 | 206 | 22.7 | 6.8 | 445 | 2.09 | 1.2 | 0.6 | 0.2 | 1.8 | 64.0 | 0.24 | 0.11 | 0.18 | 53 | 0.35 | 0.094 |
| MP-B-O70-700M | Soil | 1.81 | 39.96 | 12.58 | 50.3 | 320 | 19.8 | 5.7 | 380 | 2.08 | 1.6 | 0.4 | 0.6 | 2.2 | 86.0 | 0.33 | 0.14 | 0.27 | 57 | 0.32 | 0.149 |
| MP-B-OR70-800M | Soil | 1.85 | 28.29 | 8.99 | 75.6 | 325 | 16.1 | 6.9 | 403 | 2.22 | 1.2 | 0.4 | 0.4 | 1.2 | 46.0 | 0.35 | 0.07 | 0.21 | 68 | 0.28 | 0.074 |
| MP-B-O70-900M | Soil | 1.06 | 19.44 | 8.91 | 27.3 | 161 | 13.9 | 2.7 | 100 | 1.35 | 0.7 | 0.5 | 1.2 | 1.2 | 33.5 | 0.20 | 0.05 | 0.22 | 37 | 0.19 | 0.068 |
| MP-B-OR70-1000M | Soil | 0.72 | 30.46 | 5.87 | 47.8 | 133 | 15.8 | 5.1 | 196 | 1.31 | 0.8 | 0.5 | 1.0 | 1.3 | 43.9 | 0.12 | 0.06 | 0.13 | 34 | 0.34 | 0.079 |
| MP-B-O70-1100M | Soil | 0.33 | 402.0 | 1.20 | 119.9 | 42 | 16.9 | 24.3 | 1070 | 4.93 | 0.6 | 0.4 | <0.2 | 3.2 | 165.0 | 0.09 | 0.04 | 0.02 | 142 | 1.84 | 0.484 |

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Project: non-given
Report Date: July 22, 2010

Page: 7 of 13 Part 2

CERTIFICATE OF ANALYSIS

VAN10002973.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|-----------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Sc | Ti | S | Hg | Se | Te | Ga | Cs | Ge | Hf |
| Unit | | ppm | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | % | ppb | ppm | ppm | ppm | ppm | ppm | ppm | |
| MDL | | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.02 | |
| MP-B-L55-700M | Soil | 13.0 | 20.6 | 0.24 | 235.4 | 0.050 | <1 | 1.12 | 0.015 | 0.05 | 0.2 | 2.0 | 0.04 | <0.02 | 49 | 0.1 | <0.02 | 4.4 | 0.73 | <0.1 | <0.02 |
| MP-B-L55-800M | Soil | 9.9 | 63.7 | 0.21 | 116.6 | 0.060 | 2 | 1.59 | 0.006 | 0.03 | 0.4 | 2.0 | 0.02 | 0.04 | 96 | 0.5 | <0.02 | 7.1 | 1.11 | <0.1 | 0.02 |
| MP-B-L55-900M | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L55-1000M | Soil | 7.2 | 50.7 | 0.12 | 151.9 | 0.064 | <1 | 1.61 | 0.006 | 0.03 | 0.2 | 1.6 | 0.03 | 0.03 | 93 | 0.5 | 0.03 | 8.7 | 0.74 | <0.1 | 0.03 |
| MP-B-L55-1100M | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L55-1200M | Soil | 11.3 | 14.5 | 0.47 | 284.1 | 0.087 | <1 | 0.95 | 0.012 | 0.23 | <0.1 | 2.1 | 0.09 | <0.02 | 20 | 0.1 | <0.02 | 7.4 | 1.36 | <0.1 | <0.02 |
| MP-B-L55-1300M | Soil | 8.9 | 24.0 | 0.17 | 93.4 | 0.040 | <1 | 0.80 | 0.008 | 0.04 | 0.1 | 1.4 | 0.06 | 0.03 | 43 | 0.2 | <0.02 | 3.8 | 0.85 | <0.1 | <0.02 |
| MP-B-L55-1400M | Soil | 10.3 | 48.1 | 0.41 | 139.1 | 0.082 | 1 | 1.45 | 0.011 | 0.07 | 0.1 | 2.3 | 0.05 | 0.03 | 69 | 0.6 | <0.02 | 7.5 | 0.85 | <0.1 | <0.02 |
| MP-B-L55-1500M | Soil | 8.4 | 57.4 | 0.25 | 85.1 | 0.072 | <1 | 1.76 | 0.006 | 0.05 | 0.3 | 2.3 | 0.05 | <0.02 | 59 | 0.5 | <0.02 | 6.1 | 1.20 | <0.1 | 0.03 |
| MP-B-L55-1600M | Soil | 9.1 | 53.6 | 0.27 | 91.9 | 0.074 | <1 | 1.40 | 0.009 | 0.06 | 0.3 | 2.2 | 0.04 | <0.02 | 48 | 0.3 | 0.04 | 8.0 | 0.92 | <0.1 | <0.02 |
| MP-B-L55-1700M | Soil | 9.8 | 26.3 | 0.25 | 100.5 | 0.043 | 1 | 0.97 | 0.008 | 0.05 | 0.1 | 1.4 | 0.06 | <0.02 | 35 | 0.2 | 0.03 | 3.8 | 0.79 | <0.1 | <0.02 |
| MP-B-L55-1800M | Soil | 6.5 | 12.1 | 0.13 | 47.5 | 0.028 | 1 | 0.75 | 0.005 | 0.03 | <0.1 | 0.7 | 0.04 | <0.02 | 38 | 0.1 | <0.02 | 3.6 | 0.48 | <0.1 | <0.02 |
| MP-B-L55-1900M | Soil | 8.5 | 26.3 | 0.30 | 71.0 | 0.053 | <1 | 1.05 | 0.007 | 0.04 | <0.1 | 1.4 | 0.05 | <0.02 | 17 | 0.2 | <0.02 | 4.3 | 0.56 | <0.1 | 0.02 |
| MP-B-L55-2000M | Soil | 8.6 | 31.2 | 0.34 | 73.0 | 0.054 | 1 | 1.05 | 0.007 | 0.04 | 0.2 | 1.5 | 0.07 | <0.02 | 24 | 0.2 | <0.02 | 4.7 | 0.96 | <0.1 | <0.02 |
| MP-B-L55-2100M | Soil | 8.0 | 31.1 | 0.34 | 55.1 | 0.041 | 1 | 1.08 | 0.007 | 0.05 | 0.2 | 1.3 | 0.07 | <0.02 | 54 | 0.2 | <0.02 | 5.1 | 1.04 | <0.1 | <0.02 |
| MP-B-L55-2200M | Soil | 10.4 | 22.5 | 0.22 | 90.2 | 0.062 | 2 | 0.64 | 0.007 | 0.06 | <0.1 | 1.2 | 0.08 | 0.04 | 30 | 0.4 | <0.02 | 6.6 | 1.32 | <0.1 | <0.02 |
| MP-B-L55-2300M | Soil | 9.5 | 35.3 | 0.15 | 108.1 | 0.082 | 1 | 0.67 | 0.007 | 0.08 | 0.2 | 1.9 | 0.08 | 0.09 | 9 | 0.7 | <0.02 | 8.7 | 1.66 | <0.1 | <0.02 |
| MP-B-L55-2400M | Soil | 9.3 | 27.8 | 0.27 | 48.2 | 0.041 | 1 | 0.72 | 0.007 | 0.06 | 0.1 | 1.4 | 0.10 | <0.02 | 39 | 0.4 | 0.02 | 4.5 | 2.22 | <0.1 | <0.02 |
| MP-B-L55-2500M | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR70-100M | Soil | 8.0 | 13.9 | 0.07 | 72.6 | 0.082 | <1 | 0.31 | 0.010 | 0.04 | <0.1 | 1.5 | <0.02 | <0.02 | 32 | 0.3 | <0.02 | 5.8 | 0.15 | <0.1 | <0.02 |
| MP-B-OR70-200M | Soil | 5.4 | 69.7 | 1.48 | 253.8 | 0.173 | <1 | 2.19 | 0.023 | 0.85 | <0.1 | 3.3 | 0.26 | <0.02 | 13 | 0.3 | <0.02 | 9.0 | 1.77 | 0.1 | 0.04 |
| MP-B-O70-300M | Soil | 9.4 | 21.9 | 0.60 | 93.3 | 0.103 | <1 | 1.35 | 0.056 | 0.12 | <0.1 | 6.0 | <0.02 | <0.02 | 20 | 0.3 | <0.02 | 7.5 | 0.21 | <0.1 | 0.09 |
| MP-B-OR70-400M | Soil | 9.7 | 38.1 | 0.51 | 79.2 | 0.063 | 1 | 1.15 | 0.013 | 0.06 | <0.1 | 2.0 | 0.07 | <0.02 | 32 | 0.4 | <0.02 | 5.0 | 0.87 | <0.1 | <0.02 |
| MP-B-O70-500M | Soil | 10.4 | 31.0 | 0.48 | 72.2 | 0.064 | <1 | 1.07 | 0.018 | 0.07 | <0.1 | 2.1 | 0.05 | <0.02 | 20 | 0.3 | <0.02 | 4.3 | 0.77 | <0.1 | <0.02 |
| MP-B-OR70-600M | Soil | 11.6 | 33.4 | 0.45 | 115.4 | 0.063 | <1 | 1.04 | 0.013 | 0.08 | 0.1 | 2.7 | 0.06 | <0.02 | 18 | 0.5 | <0.02 | 4.1 | 0.55 | <0.1 | <0.02 |
| MP-B-O70-700M | Soil | 8.9 | 35.7 | 0.38 | 105.3 | 0.074 | 1 | 0.87 | 0.011 | 0.08 | <0.1 | 1.9 | 0.06 | <0.02 | 18 | 0.5 | 0.02 | 5.4 | 0.78 | <0.1 | 0.02 |
| MP-B-OR70-800M | Soil | 8.4 | 28.2 | 0.21 | 151.5 | 0.072 | 2 | 1.03 | 0.007 | 0.06 | <0.1 | 1.7 | 0.05 | <0.02 | 28 | 0.3 | <0.02 | 6.8 | 0.89 | <0.1 | <0.02 |
| MP-B-O70-900M | Soil | 8.0 | 27.6 | 0.32 | 58.6 | 0.064 | 1 | 0.99 | 0.009 | 0.05 | <0.1 | 1.5 | 0.06 | <0.02 | 30 | 0.5 | <0.02 | 6.0 | 1.02 | <0.1 | <0.02 |
| MP-B-OR70-1000M | Soil | 9.1 | 29.7 | 0.36 | 69.8 | 0.051 | 1 | 0.82 | 0.009 | 0.07 | <0.1 | 1.8 | 0.06 | <0.02 | 25 | 0.2 | <0.02 | 3.0 | 0.70 | <0.1 | <0.02 |
| MP-B-O70-1100M | Soil | 20.3 | 15.6 | 1.39 | 149.7 | 0.122 | <1 | 2.41 | 0.067 | 0.54 | <0.1 | 6.2 | 0.06 | <0.02 | 10 | 0.7 | <0.02 | 8.2 | 0.64 | 0.1 | 0.06 |

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Project: non-given
 Report Date: July 22, 2010

Page: 7 of 13 Part 3

CERTIFICATE OF ANALYSIS

VAN10002973.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|-----------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Nb | Rb | Sn | Ta | Zr | Y | Ce | In | Re | Be | Li | Pd | Pt |
| Unit | MDL | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppb | ppm | ppb | ppb | |
| | | 0.02 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 | 0.1 | 0.02 | 1 | 0.1 | 10 | 2 | |
| MP-B-L55-700M | Soil | 0.61 | 7.5 | 0.5 | <0.05 | 0.4 | 2.94 | 18.3 | <0.02 | <1 | 0.4 | 10.1 | <10 | <2 |
| MP-B-L55-800M | Soil | 2.50 | 6.6 | 0.5 | <0.05 | 1.3 | 2.29 | 15.6 | 0.03 | <1 | 0.3 | 13.4 | <10 | <2 |
| MP-B-L55-900M | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L55-1000M | Soil | 2.74 | 6.2 | 0.6 | <0.05 | 1.6 | 1.70 | 11.9 | 0.03 | <1 | 0.5 | 7.1 | <10 | <2 |
| MP-B-L55-1100M | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L55-1200M | Soil | 0.79 | 28.3 | 0.5 | <0.05 | 0.4 | 2.42 | 15.5 | <0.02 | <1 | 0.4 | 5.9 | <10 | <2 |
| MP-B-L55-1300M | Soil | 0.91 | 7.0 | 0.4 | <0.05 | 0.5 | 2.01 | 15.2 | <0.02 | <1 | 0.2 | 4.4 | <10 | <2 |
| MP-B-L55-1400M | Soil | 0.96 | 12.2 | 0.5 | <0.05 | 0.9 | 2.88 | 16.9 | 0.02 | <1 | 0.5 | 9.1 | <10 | <2 |
| MP-B-L55-1500M | Soil | 1.71 | 9.0 | 0.5 | <0.05 | 2.2 | 2.78 | 14.9 | 0.02 | <1 | 0.5 | 20.7 | <10 | <2 |
| MP-B-L55-1600M | Soil | 1.16 | 9.7 | 0.6 | <0.05 | 1.4 | 3.32 | 15.1 | 0.03 | <1 | 0.5 | 12.3 | <10 | <2 |
| MP-B-L55-1700M | Soil | 0.69 | 10.5 | 0.4 | <0.05 | 0.5 | 3.00 | 17.9 | <0.02 | <1 | 0.2 | 9.9 | <10 | <2 |
| MP-B-L55-1800M | Soil | 0.56 | 7.3 | 0.3 | <0.05 | 0.2 | 1.26 | 11.8 | <0.02 | <1 | 0.2 | 7.2 | <10 | <2 |
| MP-B-L55-1900M | Soil | 0.79 | 6.4 | 0.3 | <0.05 | 0.9 | 2.76 | 15.7 | <0.02 | <1 | 0.3 | 11.5 | <10 | <2 |
| MP-B-L55-2000M | Soil | 0.67 | 10.7 | 0.4 | <0.05 | 0.4 | 2.70 | 15.7 | <0.02 | <1 | 0.3 | 9.9 | <10 | <2 |
| MP-B-L55-2100M | Soil | 0.65 | 10.9 | 0.4 | <0.05 | 0.3 | 2.40 | 15.1 | 0.02 | <1 | 0.2 | 8.7 | <10 | <2 |
| MP-B-L55-2200M | Soil | 1.00 | 12.3 | 0.6 | <0.05 | 0.4 | 2.25 | 18.0 | <0.02 | <1 | <0.1 | 4.9 | <10 | <2 |
| MP-B-L55-2300M | Soil | 1.70 | 13.6 | 0.9 | <0.05 | 1.1 | 2.50 | 16.9 | 0.02 | 2 | 0.2 | 6.2 | <10 | <2 |
| MP-B-L55-2400M | Soil | 0.85 | 13.7 | 0.6 | <0.05 | 0.2 | 3.51 | 17.1 | <0.02 | <1 | 0.3 | 11.1 | <10 | <2 |
| MP-B-L55-2500M | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR70-100M | Soil | 1.43 | 2.1 | 1.0 | <0.05 | 0.5 | 1.78 | 12.9 | <0.02 | <1 | <0.1 | 0.5 | <10 | <2 |
| MP-B-OR70-200M | Soil | 0.36 | 44.9 | 0.4 | <0.05 | 1.6 | 2.67 | 11.1 | <0.02 | 2 | 0.6 | 25.9 | <10 | <2 |
| MP-B-O70-300M | Soil | 0.47 | 2.3 | 0.6 | <0.05 | 2.9 | 4.63 | 18.7 | 0.05 | <1 | 0.3 | 7.0 | <10 | <2 |
| MP-B-OR70-400M | Soil | 0.64 | 12.1 | 0.4 | <0.05 | 0.4 | 3.81 | 18.1 | <0.02 | 1 | 0.3 | 10.5 | <10 | <2 |
| MP-B-O70-500M | Soil | 0.52 | 9.3 | 0.3 | <0.05 | 0.5 | 4.64 | 19.6 | 0.02 | <1 | 0.3 | 8.7 | <10 | <2 |
| MP-B-OR70-600M | Soil | 0.60 | 6.3 | 0.3 | <0.05 | 0.6 | 4.96 | 21.5 | 0.02 | <1 | 0.5 | 9.3 | <10 | <2 |
| MP-B-O70-700M | Soil | 0.79 | 9.4 | 0.4 | <0.05 | 1.1 | 2.87 | 16.9 | 0.02 | <1 | 0.1 | 5.4 | <10 | <2 |
| MP-B-OR70-800M | Soil | 0.92 | 10.8 | 0.5 | <0.05 | 0.7 | 2.74 | 14.5 | 0.04 | <1 | 0.3 | 8.1 | <10 | <2 |
| MP-B-O70-900M | Soil | 0.93 | 12.2 | 0.5 | <0.05 | 0.5 | 2.36 | 15.0 | <0.02 | <1 | 0.2 | 7.4 | <10 | <2 |
| MP-B-OR70-1000M | Soil | 0.56 | 8.6 | 0.2 | <0.05 | 0.4 | 4.49 | 16.4 | <0.02 | <1 | 0.2 | 8.5 | <10 | <2 |
| MP-B-O70-1100M | Soil | 0.14 | 9.7 | 0.4 | <0.05 | 2.8 | 8.52 | 29.4 | 0.02 | <1 | 1.0 | 13.2 | <10 | <2 |

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Project: non-given
 Report Date: July 22, 2010

Page: 8 of 13 Part 1

CERTIFICATE OF ANALYSIS

VAN10002973.1

| Method | Analyte | Unit | MDL | 1F15 Mo | 1F15 Cu | 1F15 Pb | 1F15 Zn | 1F15 Ag | 1F15 Ni | 1F15 Co | 1F15 Mn | 1F15 Fe | 1F15 As | 1F15 U | 1F15 Au | 1F15 Th | 1F15 Sr | 1F15 Cd | 1F15 Sb | 1F15 Bi | 1F15 V | 1F15 Ca | 1F15 P |
|-----------------|---------|------|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|---------|---------|---------|---------|---------|---------|--------|---------|--------|
| | | | | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| | | | | 0.01 | 0.01 | 0.01 | 0.1 | 2 | 0.1 | 0.1 | 1 | 0.01 | 0.1 | 0.1 | 0.2 | 0.1 | 0.5 | 0.01 | 0.02 | 0.02 | 2 | 0.01 | 0.001 |
| MP-B-OR70-1200M | Soil | | | 0.58 | 31.95 | 6.35 | 55.8 | 385 | 10.7 | 4.5 | 127 | 2.18 | 0.9 | 0.3 | <0.2 | 1.6 | 37.0 | 0.10 | 0.05 | 0.13 | 61 | 0.44 | 0.211 |
| MP-B-OR70-1400M | Soil | | | 0.40 | 240.1 | 2.39 | 65.0 | 56 | 23.6 | 35.7 | 545 | 5.48 | 0.8 | 0.2 | <0.2 | 0.8 | 84.8 | 0.07 | 0.05 | 0.05 | 183 | 1.70 | 0.568 |
| MP-B-OR70-1500M | Soil | | | 0.58 | 20.04 | 5.52 | 44.5 | 202 | 9.4 | 4.4 | 149 | 1.73 | 0.6 | 0.3 | <0.2 | 1.4 | 51.7 | 0.14 | 0.06 | 0.13 | 56 | 0.52 | 0.150 |
| MP-B-OR70-1600M | Soil | | | 1.44 | 26.78 | 7.96 | 101.7 | 817 | 17.6 | 4.5 | 192 | 2.77 | 1.5 | 0.5 | <0.2 | 2.6 | 102.3 | 0.39 | 0.11 | 0.19 | 79 | 0.43 | 0.236 |
| MP-B-OR60-0 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-100 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-200 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-300 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-400 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-500 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-600 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-700 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-800 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-1000 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-1100 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-1200 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-1300 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-1400 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-1500 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-1600 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-1700 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-1800 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-1900 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-2000 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-2200 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-2300 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-2400 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-2500 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-2600 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR-0M | Soil | | | 1.94 | 16.83 | 7.17 | 78.3 | 498 | 23.6 | 4.4 | 217 | 2.02 | 1.4 | 0.5 | <0.2 | 1.9 | 19.3 | 0.33 | 0.08 | 0.19 | 51 | 0.19 | 0.105 |

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



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Project: non-given
 Report Date: July 22, 2010

Page: 8 of 13 Part 2

CERTIFICATE OF ANALYSIS

VAN10002973.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|-----------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Sc | Tl | S | Hg | Se | Te | Ga | Cs | Ge | Hf |
| Unit | | ppm | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | % | ppb | ppm | ppm | ppm | ppm | ppm | ppm | |
| MDL | | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.02 | |
| MP-B-OR70-1200M | Soil | 7.1 | 21.8 | 0.29 | 93.9 | 0.078 | <1 | 0.98 | 0.018 | 0.06 | <0.1 | 2.8 | 0.03 | <0.02 | 43 | 0.3 | <0.02 | 5.8 | 0.60 | <0.1 | 0.04 |
| MP-B-OR70-1400M | Soil | 7.4 | 16.1 | 0.99 | 108.5 | 0.093 | <1 | 1.49 | 0.075 | 0.19 | <0.1 | 7.0 | 0.03 | <0.02 | 10 | 0.7 | <0.02 | 6.1 | 0.59 | <0.1 | 0.03 |
| MP-B-OR70-1500M | Soil | 7.6 | 19.9 | 0.29 | 90.7 | 0.069 | 1 | 0.74 | 0.021 | 0.06 | <0.1 | 2.2 | 0.02 | <0.02 | 19 | 0.3 | <0.02 | 4.8 | 0.30 | <0.1 | <0.02 |
| MP-B-OR70-1600M | Soil | 10.3 | 38.8 | 0.54 | 172.2 | 0.109 | <1 | 1.48 | 0.009 | 0.09 | 0.1 | 2.8 | 0.07 | 0.02 | 50 | 0.5 | 0.04 | 9.8 | 1.04 | <0.1 | 0.03 |
| MP-B-OR60-0 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-100 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-200 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-300 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-400 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-500 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-600 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-700 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-800 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-1000 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-1100 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-1200 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-1300 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-1400 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-1500 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-1600 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-1700 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-1800 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-1900 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-2000 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-2200 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-2300 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-2400 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-2500 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-2600 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR-0M | Soil | 8.7 | 43.6 | 0.55 | 100.1 | 0.087 | 1 | 1.41 | 0.008 | 0.07 | 0.2 | 2.1 | 0.09 | 0.02 | 57 | 0.5 | <0.02 | 6.8 | 1.28 | <0.1 | <0.02 |

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



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Project: non-given
 Report Date: July 22, 2010

Page: 8 of 13 Part 3

CERTIFICATE OF ANALYSIS

VAN10002973.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|-----------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Nb | Rb | Sn | Ta | Zr | Y | Ce | In | Re | Be | Li | Pd |
| Unit | MDL | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppb | ppm | ppb | ppb | ppb |
| | | 0.02 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 | 0.1 | 0.02 | 1 | 0.1 | 0.1 | 10 |
| MP-B-OR70-1200M | Soil | 0.83 | 6.6 | 0.4 | <0.05 | 1.3 | 3.25 | 13.2 | 0.03 | <1 | 0.2 | 10.1 | <10 |
| MP-B-OR70-1400M | Soil | 0.14 | 7.7 | 0.2 | <0.05 | 1.4 | 7.90 | 16.9 | 0.03 | <1 | 0.2 | 8.7 | <10 |
| MP-B-OR70-1500M | Soil | 0.60 | 4.6 | 0.4 | <0.05 | 0.8 | 3.75 | 14.1 | <0.02 | <1 | 0.2 | 4.2 | <10 |
| MP-B-OR70-1600M | Soil | 0.98 | 12.5 | 0.5 | <0.05 | 1.2 | 4.09 | 18.3 | <0.02 | <1 | 0.2 | 10.8 | <10 |
| MP-B-OR60-0 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-100 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-200 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-300 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-400 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-500 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-600 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-700 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-800 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-1000 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-1100 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-1200 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-1300 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-1400 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-1500 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-1600 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-1700 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-1800 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-1900 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-2000 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-2200 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-2300 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-2400 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-2500 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR60-2600 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-OR-0M | Soil | 1.04 | 12.4 | 0.4 | <0.05 | 0.9 | 2.62 | 16.2 | <0.02 | <1 | 0.3 | 11.7 | <10 |

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



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Project: non-given
 Report Date: July 22, 2010

Page: 9 of 13 Part 1

CERTIFICATE OF ANALYSIS

VAN10002973.1

| Method | Analyte | 1F15 Mo | 1F15 Cu | 1F15 Pb | 1F15 Zn | 1F15 Ag | 1F15 Ni | 1F15 Co | 1F15 Mn | 1F15 Fe | 1F15 As | 1F15 U | 1F15 Au | 1F15 Th | 1F15 Sr | 1F15 Cd | 1F15 Sb | 1F15 Bi | 1F15 V | 1F15 Ca | 1F15 P |
|---------------|---------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-----------|------------|------------|------------|------------|------------|------------|-----------|------------|-----------|
| Unit | MDL | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| MP-B-OR-100M | Soil | 2.16 | 19.56 | 6.61 | 86.1 | 426 | 26.3 | 6.4 | 260 | 2.39 | 1.4 | 0.5 | <0.2 | 1.4 | 21.4 | 0.42 | 0.09 | 0.18 | 59 | 0.22 | 0.075 |
| MP-B-OR-200M | Soil | 3.99 | 26.29 | 7.16 | 95.4 | 269 | 34.6 | 8.0 | 307 | 3.35 | 2.9 | 0.6 | 0.6 | 2.3 | 21.9 | 0.62 | 0.13 | 0.19 | 80 | 0.22 | 0.146 |
| MP-B-OR-300M | Soil | 2.32 | 20.27 | 6.12 | 71.4 | 184 | 23.6 | 5.6 | 416 | 2.63 | 2.4 | 0.6 | <0.2 | 1.0 | 17.1 | 0.41 | 0.15 | 0.18 | 50 | 0.18 | 0.080 |
| MP-B-OR-400M | Soil | 3.14 | 15.42 | 8.43 | 44.6 | 228 | 18.9 | 3.6 | 127 | 2.17 | 2.7 | 0.6 | 0.4 | 1.7 | 16.4 | 0.28 | 0.09 | 0.25 | 74 | 0.16 | 0.085 |
| MP-B-OR-500M | Soil | 1.77 | 29.05 | 9.05 | 56.9 | 225 | 24.6 | 5.7 | 203 | 2.41 | 2.8 | 0.8 | 1.3 | 1.2 | 22.3 | 0.39 | 0.15 | 0.22 | 57 | 0.24 | 0.104 |
| MP-B-OR-600M | Soil | 1.53 | 18.68 | 7.53 | 46.6 | 1204 | 20.0 | 4.9 | 200 | 1.86 | 2.0 | 0.6 | 0.7 | 0.8 | 20.1 | 0.42 | 0.09 | 0.21 | 43 | 0.19 | 0.076 |
| MP-B-OR-700M | Soil | 2.67 | 18.14 | 7.90 | 64.8 | 220 | 23.4 | 7.6 | 295 | 2.07 | 1.3 | 0.7 | 0.2 | 2.5 | 24.0 | 0.24 | 0.08 | 0.22 | 51 | 0.17 | 0.078 |
| MP-B-OR-800M | Soil | 1.19 | 18.50 | 7.36 | 34.3 | 240 | 13.0 | 3.2 | 137 | 1.45 | 1.3 | 0.5 | 0.7 | 0.7 | 25.0 | 0.17 | 0.08 | 0.16 | 41 | 0.26 | 0.097 |
| MP-B-OR-1000M | Soil | 0.72 | 38.16 | 7.95 | 32.9 | 264 | 13.0 | 3.6 | 179 | 1.28 | 0.7 | 0.5 | 0.5 | 0.8 | 26.2 | 0.13 | 0.06 | 0.16 | 35 | 0.23 | 0.067 |
| MP-B-OR-1100M | Soil | 0.79 | 25.22 | 6.74 | 32.6 | 239 | 14.2 | 3.0 | 190 | 1.35 | 1.1 | 0.4 | <0.2 | 0.5 | 28.6 | 0.15 | 0.07 | 0.15 | 38 | 0.25 | 0.075 |
| MP-B-OR-1200M | Soil | 3.20 | 60.23 | 15.44 | 83.1 | 273 | 31.9 | 8.7 | 325 | 1.72 | 0.5 | 0.9 | 0.3 | 0.4 | 52.8 | 1.54 | 0.07 | 0.37 | 46 | 0.52 | 0.061 |
| MP-B-OR-1300M | Soil | 1.69 | 39.44 | 10.73 | 42.6 | 678 | 21.2 | 3.8 | 118 | 1.51 | 0.9 | 0.9 | 0.5 | 0.3 | 23.8 | 0.22 | 0.07 | 0.58 | 33 | 0.20 | 0.072 |
| MP-B-OR-1400M | Soil | 1.07 | 83.92 | 8.53 | 41.5 | 239 | 19.0 | 9.7 | 273 | 2.02 | 1.1 | 0.6 | 0.4 | 1.9 | 41.7 | 0.17 | 0.09 | 0.18 | 57 | 0.45 | 0.163 |
| MP-B-OR-1500M | Soil | 2.02 | 99.30 | 13.61 | 83.1 | 38 | 49.6 | 15.4 | 631 | 3.56 | 4.0 | 1.1 | 2.5 | 5.3 | 72.7 | 0.17 | 0.38 | 0.31 | 88 | 0.56 | 0.140 |
| MP-B-OR-1600M | Soil | 1.00 | 46.11 | 9.01 | 45.7 | 489 | 16.9 | 3.3 | 129 | 1.31 | 0.4 | 0.7 | 2.3 | 0.7 | 37.4 | 0.19 | 0.06 | 0.18 | 34 | 0.34 | 0.107 |
| MP-B-OR-1700M | Soil | 1.67 | 24.08 | 11.19 | 40.0 | 337 | 14.1 | 3.2 | 116 | 1.39 | 1.1 | 0.7 | 1.1 | 0.7 | 26.1 | 0.15 | 0.08 | 0.24 | 35 | 0.19 | 0.057 |
| MP-B-OR-1800M | Soil | 3.10 | 64.10 | 17.12 | 55.9 | 1173 | 29.8 | 6.0 | 191 | 1.96 | 1.4 | 1.1 | 1.1 | 0.1 | 51.0 | 0.46 | 0.13 | 0.41 | 40 | 0.38 | 0.126 |
| MP-B-OR-1900M | Soil | 0.56 | 9.80 | 25.16 | 21.2 | 81 | 6.2 | 1.3 | 56 | 0.95 | 0.9 | 0.6 | 13.7 | 2.2 | 32.6 | 0.07 | 0.07 | 0.50 | 31 | 0.09 | 0.099 |
| MP-B-OR-2000M | Soil | 0.68 | 19.78 | 19.36 | 27.7 | 564 | 6.5 | 2.1 | 119 | 1.45 | 0.7 | 1.0 | <0.2 | 0.2 | 441.0 | 0.10 | 0.06 | 0.29 | 28 | 0.27 | 0.160 |
| MP-B-OR-2200M | Soil | 1.00 | 28.35 | 12.28 | 25.4 | 356 | 12.9 | 4.2 | 349 | 1.05 | 0.5 | 0.8 | 0.8 | 0.3 | 51.8 | 0.17 | 0.06 | 0.27 | 30 | 0.22 | 0.043 |
| MP-B-OR-2300M | Soil | 0.62 | 13.14 | 13.82 | 25.5 | 226 | 10.4 | 2.5 | 103 | 1.26 | 1.0 | 0.6 | 0.5 | 1.3 | 35.8 | 0.12 | 0.07 | 0.28 | 34 | 0.20 | 0.059 |
| MP-B-OR-2400M | Soil | 0.82 | 27.08 | 8.76 | 51.2 | 253 | 26.6 | 7.1 | 421 | 1.98 | 2.3 | 0.7 | <0.2 | 1.7 | 51.8 | 0.17 | 0.19 | 0.18 | 48 | 0.39 | 0.087 |
| MP-B-OR-2500M | Soil | 0.79 | 20.98 | 10.28 | 40.8 | 224 | 19.9 | 5.5 | 205 | 1.75 | 1.7 | 0.5 | 4.2 | 1.1 | 40.3 | 0.12 | 0.12 | 0.21 | 46 | 0.27 | 0.055 |
| MP-B-OR-2600M | Soil | 0.71 | 14.20 | 11.62 | 35.2 | 84 | 14.6 | 4.5 | 161 | 1.73 | 1.3 | 0.5 | 0.2 | 2.8 | 52.2 | 0.11 | 0.13 | 0.20 | 49 | 0.40 | 0.110 |
| MP-B-L65-0 | Soil | 0.92 | 9.15 | 32.70 | 19.0 | 783 | 5.1 | 1.4 | 67 | 1.26 | 1.0 | 0.5 | 1.7 | 2.0 | 34.5 | 0.12 | 0.06 | 1.04 | 39 | 0.18 | 0.116 |
| MP-B-L65-100M | Soil | 1.02 | 14.64 | 20.97 | 27.3 | 285 | 9.2 | 2.7 | 112 | 1.06 | 1.1 | 0.5 | 0.9 | 0.7 | 57.7 | 0.20 | 0.08 | 0.69 | 36 | 0.15 | 0.032 |
| MP-B-L65-200M | Soil | 1.56 | 26.60 | 32.00 | 32.6 | 2186 | 13.4 | 3.4 | 127 | 1.81 | 1.9 | 0.8 | 2.8 | 0.2 | 32.4 | 0.28 | 0.12 | 0.45 | 41 | 0.17 | 0.128 |
| MP-B-L65-300M | Soil | 1.57 | 33.16 | 19.90 | 35.1 | 1267 | 15.9 | 3.1 | 152 | 1.88 | 1.4 | 0.9 | 2.6 | 1.8 | 39.2 | 0.17 | 0.10 | 0.34 | 49 | 0.38 | 0.161 |
| MP-B-L65-400M | Soil | 1.24 | 30.89 | 120.9 | 74.5 | 869 | 22.6 | 9.3 | 786 | 2.26 | 1.2 | 1.0 | 0.3 | 2.0 | 375.3 | 0.26 | 0.09 | 0.88 | 63 | 0.98 | 0.188 |
| MP-B-L65-600M | Soil | 1.08 | 19.94 | 9.64 | 35.6 | 223 | 7.7 | 2.9 | 165 | 2.65 | 1.0 | 0.5 | 0.3 | 2.3 | 42.2 | 0.15 | 0.06 | 0.21 | 84 | 0.38 | 0.245 |



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Project: non-given
 Report Date: July 22, 2010

Page: 9 of 13 Part 2

CERTIFICATE OF ANALYSIS

VAN10002973.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|---------------|---------|------|------|------|-------|-------|------|------|-------|------|------|------|------|-------|------|------|-------|------|------|------|-------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Sc | Tl | S | Hg | Se | Te | Ga | Cs | Ge | Hf |
| Unit | | ppm | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | % | ppb | ppm | ppm | ppm | ppm | ppm | ppm | |
| MDL | | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.1 | |
| MP-B-OR-100M | Soil | 8.7 | 41.2 | 0.76 | 156.2 | 0.114 | <1 | 1.66 | 0.007 | 0.15 | 0.2 | 2.9 | 0.09 | <0.02 | 34 | 0.5 | <0.02 | 7.7 | 1.86 | <0.1 | <0.02 |
| MP-B-OR-200M | Soil | 9.5 | 63.6 | 0.71 | 123.5 | 0.090 | 1 | 1.98 | 0.009 | 0.10 | 0.2 | 3.0 | 0.11 | 0.02 | 56 | 0.7 | 0.04 | 6.8 | 1.85 | <0.1 | 0.02 |
| MP-B-OR-300M | Soil | 9.2 | 43.2 | 0.46 | 75.3 | 0.063 | <1 | 1.54 | 0.008 | 0.05 | 0.2 | 1.6 | 0.09 | 0.02 | 76 | 0.5 | <0.02 | 5.8 | 1.46 | <0.1 | <0.02 |
| MP-B-OR-400M | Soil | 7.7 | 37.8 | 0.35 | 79.4 | 0.109 | 1 | 1.37 | 0.009 | 0.06 | 0.2 | 2.1 | 0.08 | <0.02 | 54 | 0.5 | 0.02 | 9.2 | 1.47 | <0.1 | 0.03 |
| MP-B-OR-500M | Soil | 11.8 | 45.7 | 0.50 | 85.9 | 0.062 | 1 | 1.83 | 0.013 | 0.08 | 0.2 | 2.6 | 0.10 | <0.02 | 61 | 0.7 | <0.02 | 6.3 | 1.35 | <0.1 | <0.02 |
| MP-B-OR-600M | Soil | 9.0 | 34.7 | 0.36 | 76.8 | 0.048 | <1 | 1.22 | 0.009 | 0.07 | 0.2 | 1.5 | 0.06 | <0.02 | 77 | 0.2 | <0.02 | 5.3 | 1.03 | <0.1 | <0.02 |
| MP-B-OR-700M | Soil | 9.5 | 39.3 | 0.46 | 120.5 | 0.064 | 1 | 1.45 | 0.009 | 0.06 | 0.2 | 2.7 | 0.09 | <0.02 | 27 | 0.2 | <0.02 | 5.0 | 1.17 | <0.1 | 0.02 |
| MP-B-OR-800M | Soil | 8.9 | 22.8 | 0.28 | 76.4 | 0.051 | <1 | 0.82 | 0.009 | 0.06 | 0.2 | 1.6 | 0.06 | <0.02 | 25 | 0.2 | <0.02 | 4.4 | 0.80 | <0.1 | <0.02 |
| MP-B-OR-1000M | Soil | 9.9 | 28.2 | 0.32 | 57.6 | 0.049 | 1 | 0.85 | 0.009 | 0.06 | 0.1 | 1.4 | 0.06 | <0.02 | 29 | 0.3 | <0.02 | 4.1 | 0.85 | <0.1 | <0.02 |
| MP-B-OR-1100M | Soil | 9.4 | 28.7 | 0.35 | 57.7 | 0.049 | <1 | 0.84 | 0.011 | 0.05 | 0.1 | 1.1 | 0.05 | 0.03 | 50 | 0.3 | <0.02 | 4.2 | 0.77 | <0.1 | <0.02 |
| MP-B-OR-1200M | Soil | 12.7 | 34.4 | 0.42 | 134.4 | 0.043 | <1 | 1.05 | 0.011 | 0.08 | 0.1 | 2.0 | 0.07 | 0.03 | 38 | 1.2 | <0.02 | 4.8 | 1.15 | <0.1 | <0.02 |
| MP-B-OR-1300M | Soil | 10.0 | 42.7 | 0.31 | 79.6 | 0.049 | 2 | 1.28 | 0.009 | 0.08 | 0.2 | 1.4 | 0.10 | <0.02 | 48 | 0.5 | <0.02 | 6.5 | 1.76 | <0.1 | <0.02 |
| MP-B-OR-1400M | Soil | 9.7 | 29.8 | 0.36 | 69.4 | 0.062 | <1 | 0.78 | 0.013 | 0.10 | 0.1 | 2.1 | 0.06 | 0.03 | 23 | 0.7 | <0.02 | 3.5 | 0.71 | <0.1 | <0.02 |
| MP-B-OR-1500M | Soil | 18.6 | 48.5 | 0.75 | 228.4 | 0.100 | 3 | 1.89 | 0.022 | 0.22 | 0.2 | 7.5 | 0.20 | 0.03 | 27 | 0.8 | 0.05 | 5.8 | 1.68 | 0.1 | 0.18 |
| MP-B-OR-1600M | Soil | 9.4 | 27.0 | 0.34 | 124.6 | 0.054 | 1 | 1.29 | 0.012 | 0.08 | <0.1 | 2.7 | 0.08 | 0.02 | 76 | 0.5 | <0.02 | 5.8 | 0.86 | <0.1 | <0.02 |
| MP-B-OR-1700M | Soil | 10.4 | 23.8 | 0.31 | 73.0 | 0.056 | 2 | 1.28 | 0.009 | 0.06 | <0.1 | 1.7 | 0.09 | <0.02 | 41 | 0.4 | <0.02 | 5.8 | 0.84 | <0.1 | <0.02 |
| MP-B-OR-1800M | Soil | 12.9 | 31.9 | 0.32 | 155.3 | 0.022 | 2 | 1.81 | 0.012 | 0.13 | <0.1 | 1.2 | 0.11 | 0.07 | 135 | 1.0 | 0.02 | 9.4 | 1.24 | <0.1 | <0.02 |
| MP-B-OR-1900M | Soil | 10.5 | 17.8 | 0.13 | 58.1 | 0.061 | 2 | 0.89 | 0.007 | 0.03 | <0.1 | 1.4 | 0.04 | <0.02 | 37 | 0.2 | <0.02 | 11.8 | 0.39 | <0.1 | <0.02 |
| MP-B-OR-2000M | Soil | 12.3 | 14.4 | 0.20 | 220.8 | 0.017 | 2 | 1.33 | 0.018 | 0.06 | <0.1 | 0.5 | 0.05 | 0.03 | 106 | 0.3 | <0.02 | 7.6 | 1.35 | <0.1 | <0.02 |
| MP-B-OR-2200M | Soil | 13.5 | 21.1 | 0.23 | 132.4 | 0.034 | 1 | 0.80 | 0.012 | 0.05 | <0.1 | 1.3 | 0.05 | <0.02 | 28 | 0.3 | <0.02 | 3.8 | 0.73 | <0.1 | <0.02 |
| MP-B-OR-2300M | Soil | 11.2 | 23.1 | 0.26 | 124.9 | 0.056 | 2 | 1.03 | 0.011 | 0.05 | <0.1 | 1.9 | 0.07 | <0.02 | 28 | 0.1 | <0.02 | 5.2 | 0.71 | <0.1 | <0.02 |
| MP-B-OR-2400M | Soil | 16.2 | 33.3 | 0.46 | 191.2 | 0.051 | 2 | 1.37 | 0.014 | 0.07 | <0.1 | 3.4 | 0.07 | <0.02 | 35 | 0.2 | <0.02 | 4.4 | 0.75 | <0.1 | <0.02 |
| MP-B-OR-2500M | Soil | 11.2 | 29.4 | 0.40 | 148.9 | 0.052 | <1 | 1.32 | 0.012 | 0.06 | <0.1 | 2.4 | 0.06 | <0.02 | 18 | 0.2 | <0.02 | 5.1 | 0.57 | <0.1 | <0.02 |
| MP-B-OR-2600M | Soil | 11.6 | 25.0 | 0.35 | 119.9 | 0.073 | 1 | 0.89 | 0.014 | 0.05 | <0.1 | 2.0 | 0.03 | <0.02 | 6 | <0.1 | 0.02 | 4.9 | 0.50 | <0.1 | 0.02 |
| MP-B-L65-0 | Soil | 8.6 | 17.0 | 0.12 | 60.5 | 0.063 | 2 | 0.69 | 0.009 | 0.03 | 0.2 | 1.2 | 0.04 | 0.03 | 71 | 0.3 | <0.02 | 6.1 | 0.48 | <0.1 | <0.02 |
| MP-B-L65-100M | Soil | 10.2 | 18.7 | 0.19 | 78.1 | 0.063 | 2 | 1.11 | 0.010 | 0.04 | 0.1 | 1.6 | 0.08 | <0.02 | 29 | 0.1 | <0.02 | 6.6 | 1.48 | <0.1 | <0.02 |
| MP-B-L65-200M | Soil | 11.2 | 30.9 | 0.25 | 85.7 | 0.026 | 2 | 1.51 | 0.012 | 0.05 | 0.2 | 1.0 | 0.09 | 0.06 | 148 | 0.7 | 0.03 | 4.2 | 1.15 | <0.1 | <0.02 |
| MP-B-L65-300M | Soil | 13.5 | 33.8 | 0.35 | 75.0 | 0.052 | 1 | 1.37 | 0.015 | 0.04 | 0.2 | 2.0 | 0.05 | 0.03 | 98 | 1.0 | <0.02 | 3.5 | 0.70 | <0.1 | <0.02 |
| MP-B-L65-400M | Soil | 14.0 | 19.5 | 0.39 | 270.9 | 0.068 | 2 | 2.47 | 0.025 | 0.13 | <0.1 | 2.3 | 0.07 | 0.02 | 91 | 0.7 | 0.04 | 7.8 | 1.05 | <0.1 | <0.02 |
| MP-B-L65-600M | Soil | 16.8 | 25.9 | 0.27 | 101.3 | 0.079 | 2 | 0.97 | 0.021 | 0.07 | 0.1 | 2.0 | 0.03 | 0.05 | 63 | 1.0 | 0.02 | 6.4 | 0.56 | <0.1 | <0.02 |

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Project: non-given
 Report Date: July 22, 2010

Page: 9 of 13 Part 3

CERTIFICATE OF ANALYSIS

VAN10002973.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|---------------|---------|------|------|------|-------|------|-------|------|-------|------|------|------|------|----|
| | | Nb | Rb | Sn | Ta | Zr | Y | Ce | In | Re | Be | Li | Pd | Pt |
| Unit | MDL | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppb | ppm | ppb | ppb | |
| | | 0.02 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 | 0.1 | 0.02 | 1 | 0.1 | 10 | 2 | |
| MP-B-OR-100M | Soil | 0.89 | 15.6 | 0.5 | <0.05 | 0.6 | 3.32 | 15.9 | 0.02 | <1 | 0.4 | 17.0 | <10 | <2 |
| MP-B-OR-200M | Soil | 1.06 | 15.4 | 0.4 | <0.05 | 1.2 | 3.45 | 18.3 | 0.02 | <1 | 0.4 | 21.2 | <10 | <2 |
| MP-B-OR-300M | Soil | 0.86 | 9.4 | 0.4 | <0.05 | 0.5 | 2.88 | 17.2 | <0.02 | <1 | 0.3 | 16.2 | <10 | <2 |
| MP-B-OR-400M | Soil | 1.43 | 13.1 | 0.6 | <0.05 | 1.0 | 2.48 | 14.6 | <0.02 | <1 | 0.2 | 13.4 | <10 | <2 |
| MP-B-OR-500M | Soil | 0.90 | 10.1 | 0.5 | <0.05 | 0.6 | 4.78 | 22.4 | <0.02 | <1 | 0.4 | 14.2 | <10 | <2 |
| MP-B-OR-600M | Soil | 0.69 | 9.9 | 0.4 | <0.05 | 0.4 | 2.85 | 16.9 | <0.02 | <1 | 0.1 | 9.5 | <10 | <2 |
| MP-B-OR-700M | Soil | 0.86 | 9.5 | 0.4 | <0.05 | 1.1 | 2.86 | 17.9 | 0.02 | <1 | 0.2 | 14.8 | <10 | <2 |
| MP-B-OR-800M | Soil | 0.62 | 7.3 | 0.3 | <0.05 | 0.4 | 2.92 | 15.9 | <0.02 | <1 | 0.2 | 4.9 | <10 | <2 |
| MP-B-OR-1000M | Soil | 0.65 | 7.6 | 0.3 | <0.05 | 0.4 | 3.21 | 18.3 | <0.02 | <1 | 0.2 | 8.2 | <10 | <2 |
| MP-B-OR-1100M | Soil | 0.68 | 5.9 | 0.3 | <0.05 | 0.4 | 3.02 | 17.2 | <0.02 | <1 | <0.1 | 7.4 | <10 | <2 |
| MP-B-OR-1200M | Soil | 0.71 | 13.2 | 0.4 | <0.05 | 0.3 | 9.29 | 21.0 | <0.02 | 7 | 0.4 | 9.3 | <10 | <2 |
| MP-B-OR-1300M | Soil | 0.57 | 15.2 | 0.6 | <0.05 | 0.2 | 3.91 | 17.9 | <0.02 | 2 | 0.4 | 8.1 | <10 | <2 |
| MP-B-OR-1400M | Soil | 0.55 | 7.9 | 0.3 | <0.05 | 0.9 | 4.97 | 18.9 | <0.02 | <1 | 0.3 | 7.1 | <10 | <2 |
| MP-B-OR-1500M | Soil | 0.18 | 16.3 | 0.5 | <0.05 | 8.5 | 10.54 | 31.5 | 0.03 | <1 | 0.6 | 15.2 | <10 | <2 |
| MP-B-OR-1600M | Soil | 0.51 | 9.8 | 0.4 | <0.05 | 0.4 | 3.44 | 13.9 | <0.02 | 2 | 0.2 | 6.8 | <10 | <2 |
| MP-B-OR-1700M | Soil | 0.67 | 11.9 | 0.5 | <0.05 | 0.5 | 2.71 | 17.2 | <0.02 | <1 | 0.2 | 8.3 | <10 | <2 |
| MP-B-OR-1800M | Soil | 0.94 | 14.1 | 0.9 | <0.05 | 0.3 | 4.64 | 18.3 | 0.02 | <1 | 0.4 | 6.5 | <10 | <2 |
| MP-B-OR-1900M | Soil | 1.26 | 3.2 | 1.0 | <0.05 | 0.8 | 1.98 | 15.9 | <0.02 | <1 | 0.2 | 2.9 | <10 | <2 |
| MP-B-OR-2000M | Soil | 0.67 | 6.5 | 0.7 | <0.05 | 0.5 | 1.80 | 16.2 | <0.02 | <1 | 0.4 | 3.9 | <10 | <2 |
| MP-B-OR-2200M | Soil | 0.45 | 8.6 | 0.4 | <0.05 | 0.2 | 3.74 | 20.0 | <0.02 | <1 | 0.5 | 4.9 | <10 | <2 |
| MP-B-OR-2300M | Soil | 0.70 | 9.2 | 0.4 | <0.05 | 0.6 | 2.97 | 18.7 | <0.02 | <1 | 0.3 | 6.2 | <10 | <2 |
| MP-B-OR-2400M | Soil | 0.56 | 8.6 | 0.3 | <0.05 | 0.7 | 7.43 | 24.0 | <0.02 | <1 | 0.4 | 12.7 | <10 | <2 |
| MP-B-OR-2500M | Soil | 0.63 | 7.9 | 0.4 | <0.05 | 0.6 | 3.71 | 18.4 | <0.02 | <1 | 0.4 | 10.0 | <10 | <2 |
| MP-B-OR-2600M | Soil | 0.58 | 7.7 | 0.3 | <0.05 | 1.5 | 3.95 | 16.8 | <0.02 | <1 | 0.2 | 7.8 | <10 | <2 |
| MP-B-L65-0 | Soil | 1.26 | 4.7 | 0.5 | <0.05 | 0.8 | 2.22 | 14.7 | <0.02 | <1 | 0.2 | 2.3 | <10 | <2 |
| MP-B-L65-100M | Soil | 0.83 | 8.8 | 0.7 | <0.05 | 0.7 | 2.32 | 17.5 | <0.02 | <1 | 0.2 | 4.5 | <10 | <2 |
| MP-B-L65-200M | Soil | 0.72 | 5.2 | 0.4 | <0.05 | 0.2 | 2.82 | 17.2 | <0.02 | <1 | 0.5 | 7.1 | <10 | <2 |
| MP-B-L65-300M | Soil | 0.98 | 4.3 | 0.3 | <0.05 | 0.8 | 4.95 | 19.9 | <0.02 | <1 | 0.3 | 9.5 | <10 | <2 |
| MP-B-L65-400M | Soil | 1.22 | 9.1 | 0.4 | <0.05 | 0.5 | 4.23 | 24.3 | 0.02 | <1 | 0.6 | 12.7 | <10 | <2 |
| MP-B-L65-600M | Soil | 1.04 | 6.9 | 0.5 | <0.05 | 0.7 | 3.56 | 23.2 | 0.02 | <1 | 0.2 | 3.9 | <10 | <2 |

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Project: non-given
 Report Date: July 22, 2010

Page: 10 of 13 Part 1

CERTIFICATE OF ANALYSIS

VAN10002973.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|----------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P |
| Unit | MDL | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| | | 0.01 | 0.01 | 0.01 | 0.1 | 2 | 0.1 | 0.1 | 1 | 0.01 | 0.1 | 0.1 | 0.2 | 0.1 | 0.5 | 0.01 | 0.02 | 0.02 | 2 | 0.01 | 0.001 |
| MP-B-L65-700M | Soil | 1.26 | 48.08 | 6.23 | 47.4 | 273 | 12.8 | 4.1 | 234 | 3.23 | 1.0 | 0.5 | 0.2 | 5.1 | 49.6 | 0.21 | 0.07 | 0.15 | 116 | 0.65 | 0.356 |
| MP-B-L65-800M | Soil | 0.78 | 79.72 | 7.28 | 51.2 | 142 | 13.0 | 6.4 | 213 | 3.61 | 1.5 | 0.4 | 55.3 | 2.0 | 35.4 | 0.16 | 0.12 | 0.17 | 144 | 0.62 | 0.337 |
| MP-B-L65-900M | Soil | 0.62 | 67.32 | 7.08 | 37.8 | 284 | 11.4 | 4.0 | 151 | 1.95 | 1.0 | 0.4 | <0.2 | 1.7 | 38.8 | 0.13 | 0.07 | 0.17 | 67 | 0.53 | 0.236 |
| MP-B-L65-1000M | Soil | 1.02 | 112.0 | 8.30 | 51.3 | 195 | 15.8 | 7.4 | 173 | 4.43 | 1.4 | 0.5 | 0.4 | 2.5 | 34.7 | 0.15 | 0.11 | 0.17 | 180 | 0.36 | 0.273 |
| MP-B-L65-1100M | Soil | 1.33 | 29.88 | 9.73 | 44.1 | 119 | 17.6 | 3.9 | 141 | 1.80 | 1.3 | 0.5 | 0.9 | 2.4 | 28.4 | 0.25 | 0.09 | 0.19 | 58 | 0.21 | 0.063 |
| MP-B-L65-1200M | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L65-1300M | Soil | 1.05 | 36.30 | 11.04 | 38.9 | 95 | 16.8 | 4.3 | 138 | 1.79 | 1.2 | 0.7 | 0.7 | 1.9 | 24.6 | 0.19 | 0.07 | 0.24 | 49 | 0.16 | 0.062 |
| MP-B-L65-1400M | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L65-1500M | Soil | 1.09 | 21.19 | 6.79 | 37.0 | 281 | 17.0 | 3.7 | 147 | 1.34 | 1.3 | 0.6 | 0.7 | 1.2 | 26.3 | 0.13 | 0.08 | 0.18 | 38 | 0.29 | 0.077 |
| MP-B-L65-1600M | Soil | 1.19 | 24.33 | 8.36 | 48.3 | 443 | 20.1 | 4.4 | 159 | 1.54 | 1.0 | 0.7 | 0.4 | 1.2 | 27.6 | 0.17 | 0.08 | 0.23 | 39 | 0.28 | 0.081 |
| MP-B-L65-1700M | Soil | 1.66 | 24.51 | 7.98 | 52.6 | 444 | 18.3 | 4.9 | 184 | 1.90 | 1.7 | 0.6 | 35.4 | 0.9 | 27.9 | 0.30 | 0.09 | 0.18 | 47 | 0.27 | 0.073 |
| MP-B-L65-1800M | Soil | 2.35 | 40.87 | 8.76 | 77.8 | 237 | 24.4 | 11.2 | 687 | 2.15 | 2.2 | 0.7 | 1.9 | 1.8 | 43.3 | 0.32 | 0.20 | 0.16 | 48 | 0.42 | 0.100 |
| MP-B-L65-1900M | Soil | 1.11 | 31.84 | 7.53 | 62.3 | 142 | 29.3 | 7.7 | 248 | 2.76 | 3.5 | 0.5 | 0.9 | 2.1 | 39.2 | 0.48 | 0.25 | 0.13 | 68 | 0.35 | 0.122 |
| MP-B-L65-2000M | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L65-2100M | Soil | 2.10 | 17.75 | 8.03 | 61.8 | 270 | 21.1 | 4.4 | 202 | 2.50 | 2.3 | 0.8 | 4.2 | 3.5 | 22.0 | 0.33 | 0.14 | 0.28 | 64 | 0.25 | 0.233 |
| MP-B-L65-2200M | Soil | 1.72 | 17.32 | 8.67 | 112.2 | 3354 | 31.4 | 6.5 | 195 | 3.07 | 2.2 | 0.9 | 3.6 | 3.9 | 15.8 | 0.83 | 0.11 | 0.37 | 71 | 0.20 | 0.240 |
| MP-B-L65-2300M | Soil | 1.33 | 9.06 | 8.69 | 52.1 | 195 | 19.2 | 3.2 | 106 | 1.37 | 0.9 | 0.7 | 0.3 | 1.7 | 13.2 | 0.30 | 0.07 | 0.28 | 31 | 0.16 | 0.098 |
| MP-B-L65-2400M | Soil | 2.28 | 11.08 | 11.15 | 49.7 | 328 | 19.4 | 3.2 | 95 | 2.43 | 2.1 | 0.7 | 1.5 | 3.4 | 15.2 | 0.49 | 0.11 | 0.30 | 55 | 0.15 | 0.178 |
| MP-B-L65-2500M | Soil | 2.79 | 10.87 | 13.83 | 128.4 | 563 | 27.2 | 6.3 | 176 | 3.13 | 1.4 | 0.6 | <0.2 | 3.5 | 23.3 | 0.39 | 0.12 | 0.32 | 76 | 0.30 | 0.152 |
| MP-B-L65-2600M | Soil | 0.68 | 7.80 | 4.06 | 26.3 | 86 | 25.1 | 3.3 | 142 | 1.20 | 1.7 | 0.6 | 0.5 | 3.2 | 14.0 | 0.19 | 0.10 | 0.21 | 25 | 0.18 | 0.069 |
| MP-B-L65-2700M | Soil | 1.06 | 13.90 | 6.42 | 54.0 | 229 | 47.5 | 9.6 | 291 | 1.77 | 2.6 | 1.0 | 0.3 | 2.5 | 25.1 | 0.37 | 0.11 | 0.25 | 39 | 0.44 | 0.099 |
| MP-B-L45-2000M | Soil | 2.02 | 32.21 | 8.59 | 83.2 | 691 | 40.9 | 14.9 | 796 | 2.28 | 1.8 | 1.0 | 0.6 | 1.1 | 42.7 | 0.68 | 0.15 | 0.24 | 51 | 0.41 | 0.077 |
| Q-B-L10-0M | Soil | 0.49 | 18.81 | 4.76 | 60.6 | 89 | 24.8 | 9.1 | 364 | 2.14 | 2.6 | 0.4 | 108.3 | 1.9 | 21.4 | 0.15 | 0.30 | 0.11 | 49 | 0.30 | 0.069 |
| Q-B-L10-100M | Soil | 0.48 | 16.30 | 4.17 | 58.4 | 34 | 22.2 | 7.0 | 251 | 1.93 | 3.4 | 0.4 | 2.0 | 2.3 | 23.9 | 0.16 | 0.31 | 0.09 | 48 | 0.29 | 0.063 |
| Q-B-L10-200M | Soil | 0.53 | 16.35 | 5.30 | 89.8 | 198 | 26.1 | 8.2 | 168 | 2.49 | 3.6 | 0.4 | 1.7 | 2.0 | 18.2 | 0.17 | 0.29 | 0.16 | 56 | 0.26 | 0.142 |
| Q-B-L10-300M | Soil | 0.40 | 14.06 | 5.24 | 55.9 | 52 | 19.3 | 5.9 | 167 | 1.78 | 2.0 | 0.3 | 2.3 | 2.0 | 15.9 | 0.12 | 0.24 | 0.12 | 43 | 0.23 | 0.048 |
| Q-B-L10-400M | Soil | 0.41 | 19.23 | 4.83 | 43.8 | 136 | 20.2 | 7.0 | 300 | 1.70 | 2.2 | 0.5 | 1.7 | 1.2 | 20.3 | 0.14 | 0.21 | 0.11 | 40 | 0.26 | 0.052 |
| Q-B-L10-500M | Soil | 0.34 | 13.03 | 4.54 | 36.2 | 51 | 15.2 | 4.9 | 158 | 1.75 | 2.6 | 0.4 | 1.9 | 1.9 | 18.5 | 0.11 | 0.26 | 0.09 | 46 | 0.26 | 0.053 |
| Q-B-L10-550M | Soil | 0.37 | 14.80 | 6.42 | 42.5 | 214 | 15.1 | 4.3 | 101 | 1.50 | 2.6 | 0.4 | 1.0 | 0.7 | 18.0 | 0.16 | 0.18 | 0.13 | 35 | 0.23 | 0.073 |
| Q-B-L10-600M | Soil | 0.21 | 10.16 | 5.53 | 39.9 | 63 | 13.2 | 4.6 | 149 | 1.17 | 1.5 | 0.3 | 1.0 | 1.5 | 16.9 | 0.10 | 0.14 | 0.11 | 34 | 0.25 | 0.022 |

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Project: non-given
 Report Date: July 22, 2010

Page: 10 of 13 Part 2

CERTIFICATE OF ANALYSIS

VAN10002973.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|----------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Sc | Ti | S | Hg | Se | Te | Ga | Cs | Ge | Hf |
| Unit | | ppm | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | % | ppb | ppm | ppm | ppm | ppm | ppm | ppm | |
| MDL | | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.1 | 0.02 |
| MP-B-L65-700M | Soil | 22.9 | 29.7 | 0.41 | 116.7 | 0.111 | <1 | 1.21 | 0.039 | 0.10 | 0.2 | 3.0 | 0.03 | 0.04 | 60 | 1.1 | 0.02 | 8.1 | 0.56 | <0.1 | 0.04 |
| MP-B-L65-800M | Soil | 8.6 | 25.7 | 0.35 | 99.2 | 0.131 | 2 | 0.94 | 0.034 | 0.08 | 0.1 | 4.1 | <0.02 | <0.02 | 39 | 0.5 | <0.02 | 10.2 | 0.48 | <0.1 | 0.02 |
| MP-B-L65-900M | Soil | 10.0 | 23.9 | 0.34 | 102.3 | 0.097 | 1 | 0.86 | 0.026 | 0.08 | 0.2 | 2.7 | 0.05 | <0.02 | 33 | 0.3 | <0.02 | 7.2 | 0.86 | <0.1 | <0.02 |
| MP-B-L65-1000M | Soil | 9.7 | 31.6 | 0.24 | 103.2 | 0.094 | <1 | 1.01 | 0.012 | 0.05 | 0.2 | 2.8 | 0.02 | 0.03 | 22 | 0.6 | 0.02 | 7.5 | 0.67 | <0.1 | 0.02 |
| MP-B-L65-1100M | Soil | 11.5 | 36.2 | 0.38 | 79.8 | 0.076 | 1 | 1.10 | 0.009 | 0.05 | 0.1 | 1.9 | 0.06 | <0.02 | 20 | 0.2 | 0.02 | 5.3 | 1.02 | <0.1 | <0.02 |
| MP-B-L65-1200M | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L65-1300M | Soil | 10.4 | 35.1 | 0.35 | 72.5 | 0.064 | 1 | 1.45 | 0.010 | 0.07 | 0.2 | 2.4 | 0.09 | <0.02 | 41 | 0.7 | <0.02 | 5.1 | 0.95 | <0.1 | <0.02 |
| MP-B-L65-1400M | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L65-1500M | Soil | 11.0 | 30.5 | 0.38 | 61.5 | 0.061 | 1 | 1.11 | 0.012 | 0.06 | 0.2 | 1.9 | 0.08 | <0.02 | 23 | 0.3 | <0.02 | 4.3 | 1.07 | <0.1 | <0.02 |
| MP-B-L65-1600M | Soil | 10.7 | 34.9 | 0.45 | 83.9 | 0.067 | 1 | 1.36 | 0.012 | 0.08 | 0.2 | 2.2 | 0.10 | <0.02 | 34 | 0.2 | 0.02 | 5.1 | 1.31 | <0.1 | <0.02 |
| MP-B-L65-1700M | Soil | 10.7 | 30.5 | 0.41 | 95.7 | 0.058 | 1 | 1.35 | 0.013 | 0.07 | <0.1 | 2.0 | 0.08 | <0.02 | 47 | 0.4 | 0.02 | 4.8 | 1.05 | <0.1 | <0.02 |
| MP-B-L65-1800M | Soil | 12.9 | 27.2 | 0.44 | 129.9 | 0.057 | 2 | 1.20 | 0.012 | 0.11 | 0.1 | 2.5 | 0.11 | 0.02 | 44 | 0.6 | <0.02 | 3.7 | 0.85 | <0.1 | <0.02 |
| MP-B-L65-1900M | Soil | 11.0 | 40.2 | 0.52 | 110.7 | 0.073 | 1 | 1.66 | 0.014 | 0.08 | <0.1 | 3.1 | 0.07 | <0.02 | 44 | 0.4 | 0.03 | 4.8 | 0.83 | <0.1 | 0.03 |
| MP-B-L65-2000M | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L65-2100M | Soil | 11.4 | 48.7 | 0.35 | 127.3 | 0.067 | <1 | 1.57 | 0.010 | 0.06 | 0.3 | 2.2 | 0.05 | 0.03 | 64 | 0.8 | 0.04 | 5.4 | 0.95 | <0.1 | 0.03 |
| MP-B-L65-2200M | Soil | 12.7 | 62.5 | 0.39 | 139.2 | 0.082 | 1 | 2.24 | 0.008 | 0.08 | 0.4 | 2.9 | 0.12 | <0.02 | 77 | 0.4 | 0.03 | 8.1 | 1.95 | <0.1 | 0.04 |
| MP-B-L65-2300M | Soil | 11.2 | 48.3 | 0.34 | 76.6 | 0.041 | <1 | 1.43 | 0.013 | 0.04 | 0.3 | 1.5 | 0.11 | <0.02 | 86 | 0.4 | <0.02 | 5.4 | 1.55 | <0.1 | <0.02 |
| MP-B-L65-2400M | Soil | 11.7 | 50.0 | 0.31 | 94.7 | 0.057 | 1 | 1.41 | 0.008 | 0.05 | 0.4 | 1.8 | 0.10 | <0.02 | 53 | 0.4 | 0.03 | 6.1 | 1.50 | <0.1 | <0.02 |
| MP-B-L65-2500M | Soil | 10.1 | 53.0 | 0.80 | 91.1 | 0.135 | <1 | 1.69 | 0.007 | 0.10 | 0.3 | 1.9 | 0.16 | <0.02 | 33 | 0.4 | 0.07 | 8.9 | 2.97 | <0.1 | 0.02 |
| MP-B-L65-2600M | Soil | 11.8 | 45.8 | 0.25 | 76.4 | 0.045 | <1 | 0.79 | 0.008 | 0.05 | 0.2 | 1.7 | 0.13 | <0.02 | 19 | <0.1 | <0.02 | 4.4 | 0.89 | <0.1 | <0.02 |
| MP-B-L65-2700M | Soil | 12.5 | 68.0 | 0.53 | 85.1 | 0.054 | <1 | 1.24 | 0.013 | 0.14 | 0.3 | 2.6 | 0.16 | <0.02 | 28 | 0.9 | <0.02 | 3.9 | 1.93 | <0.1 | <0.02 |
| MP-B-L45-2000M | Soil | 15.7 | 47.6 | 0.62 | 207.9 | 0.059 | 1 | 1.61 | 0.012 | 0.11 | 0.1 | 2.8 | 0.15 | 0.02 | 64 | 0.6 | 0.03 | 5.2 | 1.89 | <0.1 | <0.02 |
| Q-B-L10-0M | Soil | 10.5 | 39.2 | 0.55 | 92.1 | 0.062 | 1 | 1.49 | 0.008 | 0.06 | <0.1 | 2.7 | 0.06 | <0.02 | 24 | <0.1 | 0.03 | 4.3 | 0.79 | <0.1 | 0.03 |
| Q-B-L10-100M | Soil | 9.3 | 34.7 | 0.43 | 76.3 | 0.073 | 1 | 1.08 | 0.007 | 0.05 | <0.1 | 2.3 | 0.04 | <0.02 | 13 | <0.1 | <0.02 | 3.4 | 0.55 | <0.1 | 0.04 |
| Q-B-L10-200M | Soil | 7.8 | 40.5 | 0.33 | 126.9 | 0.059 | 1 | 1.96 | 0.007 | 0.05 | 0.1 | 2.6 | 0.04 | <0.02 | 31 | <0.1 | 0.04 | 5.2 | 0.77 | <0.1 | 0.03 |
| Q-B-L10-300M | Soil | 9.0 | 32.0 | 0.40 | 67.1 | 0.058 | 1 | 1.24 | 0.006 | 0.05 | <0.1 | 2.2 | 0.05 | <0.02 | 11 | <0.1 | <0.02 | 4.1 | 0.68 | <0.1 | 0.03 |
| Q-B-L10-400M | Soil | 9.2 | 42.8 | 0.44 | 95.8 | 0.048 | 2 | 1.39 | 0.008 | 0.04 | <0.1 | 2.6 | 0.06 | <0.02 | 35 | <0.1 | <0.02 | 4.0 | 0.78 | <0.1 | <0.02 |
| Q-B-L10-500M | Soil | 8.4 | 33.0 | 0.32 | 68.6 | 0.061 | 2 | 0.88 | 0.007 | 0.04 | <0.1 | 2.0 | 0.03 | <0.02 | 12 | <0.1 | <0.02 | 3.4 | 0.41 | <0.1 | 0.02 |
| Q-B-L10-550M | Soil | 7.8 | 31.8 | 0.25 | 79.3 | 0.042 | 1 | 1.21 | 0.007 | 0.05 | <0.1 | 2.3 | 0.04 | <0.02 | 40 | <0.1 | <0.02 | 4.5 | 0.56 | <0.1 | <0.02 |
| Q-B-L10-600M | Soil | 8.2 | 27.1 | 0.34 | 66.0 | 0.068 | 1 | 0.89 | 0.008 | 0.04 | <0.1 | 1.8 | 0.04 | <0.02 | 17 | <0.1 | <0.02 | 3.1 | 0.56 | <0.1 | <0.02 |

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Project: non-given
 Report Date: July 22, 2010

Page: 10 of 13 Part 3

CERTIFICATE OF ANALYSIS

VAN10002973.1

| Method | Analyte | Unit | MDL | 1F15 Nb | 1F15 Rb | 1F15 Sn | 1F15 Ta | 1F15 Zr | 1F15 Y | 1F15 Ce | 1F15 In | 1F15 Re | 1F15 Be | 1F15 Li | 1F15 Pd | 1F15 Pt |
|----------------|---------|------|-----|---------|---------|---------|---------|---------|--------|---------|---------|---------|---------|---------|---------|---------|
| | | | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppb | ppm | ppb | ppb | ppb |
| | | | | 0.02 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 | 0.1 | 0.02 | 1 | 0.1 | 0.1 | 10 | 2 |
| MP-B-L65-700M | Soil | | | 1.16 | 7.5 | 0.7 | <0.05 | 2.3 | 5.20 | 30.9 | <0.02 | <1 | 0.3 | 4.9 | <10 | <2 |
| MP-B-L65-800M | Soil | | | 0.59 | 6.7 | 0.7 | <0.05 | 1.2 | 3.86 | 14.5 | 0.03 | <1 | 0.3 | 3.6 | <10 | 4 |
| MP-B-L65-900M | Soil | | | 0.69 | 12.5 | 0.6 | <0.05 | 0.8 | 3.92 | 16.8 | <0.02 | <1 | <0.1 | 5.3 | <10 | <2 |
| MP-B-L65-1000M | Soil | | | 0.75 | 5.9 | 0.5 | <0.05 | 1.3 | 3.44 | 16.5 | 0.03 | <1 | 0.3 | 5.2 | <10 | <2 |
| MP-B-L65-1100M | Soil | | | 0.97 | 10.8 | 0.5 | <0.05 | 0.9 | 3.07 | 20.0 | <0.02 | <1 | 0.2 | 11.2 | <10 | <2 |
| MP-B-L65-1200M | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L65-1300M | Soil | | | 1.01 | 8.1 | 0.5 | <0.05 | 4.9 | 2.86 | 17.3 | <0.02 | <1 | 0.3 | 12.2 | <10 | <2 |
| MP-B-L65-1400M | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L65-1500M | Soil | | | 0.57 | 10.7 | 0.4 | <0.05 | 0.5 | 3.79 | 18.9 | <0.02 | <1 | 0.2 | 10.2 | <10 | <2 |
| MP-B-L65-1600M | Soil | | | 0.68 | 11.9 | 0.5 | <0.05 | 0.5 | 3.66 | 18.7 | <0.02 | <1 | 0.3 | 12.9 | <10 | <2 |
| MP-B-L65-1700M | Soil | | | 0.70 | 11.1 | 0.4 | <0.05 | 0.5 | 3.29 | 18.4 | <0.02 | <1 | 0.3 | 13.1 | <10 | <2 |
| MP-B-L65-1800M | Soil | | | 0.63 | 10.1 | 0.3 | <0.05 | 0.8 | 5.50 | 22.1 | <0.02 | <1 | 0.3 | 11.2 | <10 | <2 |
| MP-B-L65-1900M | Soil | | | 0.82 | 7.5 | 0.3 | <0.05 | 1.4 | 4.39 | 20.1 | 0.03 | <1 | 0.4 | 12.1 | <10 | <2 |
| MP-B-L65-2000M | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| MP-B-L65-2100M | Soil | | | 1.32 | 7.5 | 0.5 | <0.05 | 1.7 | 3.90 | 19.5 | <0.02 | <1 | 0.4 | 15.5 | <10 | <2 |
| MP-B-L65-2200M | Soil | | | 1.60 | 17.0 | 0.7 | <0.05 | 2.0 | 4.34 | 22.4 | 0.02 | <1 | 0.5 | 28.0 | <10 | <2 |
| MP-B-L65-2300M | Soil | | | 1.00 | 13.7 | 0.6 | <0.05 | 0.4 | 2.78 | 19.2 | <0.02 | <1 | 0.4 | 17.5 | <10 | <2 |
| MP-B-L65-2400M | Soil | | | 1.38 | 12.8 | 0.6 | <0.05 | 0.9 | 2.69 | 19.9 | <0.02 | <1 | 0.3 | 19.2 | <10 | <2 |
| MP-B-L65-2500M | Soil | | | 1.18 | 29.2 | 0.6 | <0.05 | 1.3 | 3.39 | 16.5 | <0.02 | <1 | 0.3 | 24.2 | <10 | <2 |
| MP-B-L65-2600M | Soil | | | 0.76 | 6.8 | 0.7 | <0.05 | 0.6 | 3.06 | 20.1 | <0.02 | <1 | 0.2 | 8.8 | <10 | <2 |
| MP-B-L65-2700M | Soil | | | 0.75 | 18.5 | 0.5 | <0.05 | 0.5 | 5.44 | 22.6 | <0.02 | 5 | 0.4 | 21.7 | <10 | <2 |
| MP-B-L45-2000M | Soil | | | 0.80 | 16.9 | 0.5 | <0.05 | 0.4 | 6.62 | 27.6 | 0.02 | <1 | 0.5 | 20.2 | <10 | <2 |
| Q-B-L10-0M | Soil | | | 0.42 | 11.7 | 0.3 | <0.05 | 1.2 | 3.78 | 19.5 | <0.02 | <1 | 0.3 | 16.8 | <10 | <2 |
| Q-B-L10-100M | Soil | | | 0.46 | 8.2 | 0.3 | <0.05 | 2.1 | 3.53 | 17.7 | <0.02 | <1 | 0.2 | 11.9 | <10 | <2 |
| Q-B-L10-200M | Soil | | | 0.60 | 9.0 | 0.3 | <0.05 | 1.5 | 2.73 | 14.6 | 0.02 | <1 | 0.4 | 15.2 | <10 | <2 |
| Q-B-L10-300M | Soil | | | 0.47 | 9.4 | 0.3 | <0.05 | 1.5 | 2.67 | 16.7 | <0.02 | <1 | 0.2 | 13.8 | <10 | <2 |
| Q-B-L10-400M | Soil | | | 0.38 | 9.7 | 0.3 | <0.05 | 0.8 | 3.93 | 18.0 | <0.02 | <1 | 0.3 | 11.1 | <10 | <2 |
| Q-B-L10-500M | Soil | | | 0.32 | 5.9 | 0.3 | <0.05 | 1.4 | 2.88 | 15.6 | <0.02 | <1 | 0.1 | 8.7 | <10 | <2 |
| Q-B-L10-550M | Soil | | | 0.36 | 7.0 | 0.4 | <0.05 | 0.6 | 2.57 | 14.1 | <0.02 | <1 | 0.2 | 6.7 | <10 | <2 |
| Q-B-L10-600M | Soil | | | 0.38 | 10.0 | 0.3 | <0.05 | 1.1 | 2.46 | 15.1 | <0.02 | <1 | 0.2 | 9.6 | <10 | <2 |

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Project: non-given
Report Date: July 22, 2010

Page: 11 of 13 Part 1

CERTIFICATE OF ANALYSIS

VAN10002973.1

| | Method Analyte Unit MDL | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|---------------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P |
| | | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| Q-B-L10-650M | Soil | 0.43 | 20.22 | 5.20 | 61.1 | 61 | 20.2 | 6.6 | 213 | 2.00 | 3.6 | 0.4 | 1.4 | 1.9 | 22.0 | 0.14 | 0.35 | 0.10 | 47 | 0.34 | 0.080 |
| Q-B-L10-700M | Soil | 0.29 | 10.60 | 3.85 | 24.4 | 87 | 10.2 | 3.9 | 128 | 1.30 | 2.3 | 0.3 | 2.1 | 0.9 | 17.8 | 0.10 | 0.21 | 0.08 | 41 | 0.25 | 0.034 |
| Q-B-L10-750M | Soil | 0.23 | 14.57 | 5.18 | 51.8 | 91 | 19.3 | 6.8 | 167 | 2.15 | 2.3 | 0.4 | 1.3 | 1.6 | 23.3 | 0.16 | 0.22 | 0.09 | 57 | 0.34 | 0.078 |
| Q-B-L10-950M | Soil | 0.26 | 32.87 | 5.60 | 50.2 | 195 | 21.2 | 8.8 | 435 | 2.83 | 8.0 | 0.5 | 1.4 | 1.5 | 41.3 | 0.22 | 0.27 | 0.10 | 65 | 0.58 | 0.055 |
| Q-B-L10-1000M | Soil | 0.61 | 125.6 | 9.98 | 73.9 | 325 | 68.1 | 18.8 | 1267 | 4.29 | 15.9 | 0.8 | 9.0 | 2.2 | 62.6 | 0.55 | 0.66 | 0.15 | 95 | 1.04 | 0.087 |
| Q-B-L10-1050M | Soil | 0.49 | 51.48 | 7.28 | 50.4 | 172 | 34.0 | 12.3 | 905 | 2.97 | 10.8 | 0.5 | 2.0 | 1.7 | 41.9 | 0.18 | 0.54 | 0.09 | 74 | 0.67 | 0.084 |
| Q-B-L10-1100M | Soil | 0.57 | 31.36 | 7.42 | 44.5 | 41 | 28.4 | 10.8 | 485 | 2.77 | 6.8 | 0.5 | 0.8 | 1.9 | 22.7 | 0.14 | 0.45 | 0.09 | 67 | 0.34 | 0.074 |
| Q-B-L10-1150M | Soil | 0.53 | 19.26 | 4.49 | 51.9 | 84 | 24.0 | 8.7 | 264 | 2.81 | 3.5 | 0.4 | 1.2 | 1.2 | 25.9 | 0.19 | 0.36 | 0.09 | 77 | 0.36 | 0.066 |
| Q-B-L10-1200M | Soil | 0.66 | 12.53 | 5.32 | 48.0 | 113 | 19.8 | 7.8 | 187 | 3.06 | 4.0 | 0.4 | 0.5 | 1.4 | 35.6 | 0.21 | 0.33 | 0.10 | 76 | 0.52 | 0.252 |
| Q-B-L10-1300M | Soil | 0.73 | 22.04 | 6.04 | 69.9 | 143 | 24.2 | 12.9 | 409 | 3.08 | 5.8 | 0.4 | 2.3 | 1.3 | 26.2 | 0.17 | 0.37 | 0.11 | 81 | 0.45 | 0.203 |
| Q-B-L10-1350 | Soil | 0.60 | 19.77 | 5.52 | 88.7 | 184 | 25.5 | 13.2 | 407 | 3.14 | 4.4 | 0.4 | 64.3 | 1.6 | 31.5 | 0.20 | 0.37 | 0.10 | 75 | 0.39 | 0.243 |
| Q-B-L10-1400M | Soil | 0.78 | 22.45 | 5.58 | 87.8 | 161 | 28.7 | 11.5 | 436 | 3.18 | 4.3 | 0.4 | 7.0 | 1.6 | 20.4 | 0.15 | 0.33 | 0.11 | 83 | 0.31 | 0.105 |
| Q-B-L10-1450 | Soil | 0.40 | 20.57 | 4.09 | 49.4 | 112 | 22.4 | 8.9 | 195 | 2.67 | 3.9 | 0.3 | 0.6 | 1.4 | 19.5 | 0.08 | 0.34 | 0.07 | 71 | 0.27 | 0.083 |
| Q-B-L10-1500 | Soil | 0.45 | 22.21 | 4.26 | 48.8 | 55 | 23.7 | 9.3 | 263 | 2.47 | 3.7 | 0.4 | 1.1 | 1.8 | 23.5 | 0.09 | 0.33 | 0.07 | 67 | 0.32 | 0.066 |
| Q-B-L10-1600M | Soil | 0.24 | 82.41 | 5.60 | 61.2 | 329 | 29.2 | 9.5 | 207 | 1.90 | 4.4 | 0.8 | 3.3 | 0.5 | 99.1 | 0.27 | 0.32 | 0.10 | 43 | 2.18 | 0.119 |
| Q-B-L10-1700 | Soil | 0.54 | 23.12 | 7.91 | 115.9 | 55 | 133.3 | 29.9 | 688 | 4.46 | 13.3 | 0.7 | <0.2 | 1.1 | 22.6 | 0.11 | 0.97 | 0.08 | 90 | 0.31 | 0.134 |
| Q-B-L10-1800M | Soil | 0.51 | 32.63 | 5.09 | 80.4 | 30 | 12.6 | 10.3 | 579 | 2.79 | 5.6 | 0.4 | 0.9 | 1.4 | 17.8 | 0.14 | 0.86 | 0.07 | 77 | 0.25 | 0.072 |
| Q-B-L10-1900 | Soil | 0.55 | 12.93 | 5.39 | 66.2 | 133 | 13.8 | 7.2 | 289 | 2.64 | 4.9 | 0.4 | 0.9 | 1.2 | 22.9 | 0.17 | 0.43 | 0.08 | 67 | 0.31 | 0.147 |
| Q-B-L10-2000M | Soil | 0.60 | 36.32 | 4.72 | 46.7 | 66 | 25.4 | 12.0 | 258 | 3.33 | 5.4 | 0.4 | 3.7 | 1.2 | 25.8 | 0.09 | 0.40 | 0.06 | 97 | 0.34 | 0.096 |
| Q-B-L20-0M | Soil | 0.38 | 15.05 | 5.40 | 58.4 | 57 | 20.9 | 6.3 | 164 | 1.98 | 2.9 | 0.4 | 17.7 | 2.0 | 20.9 | 0.16 | 0.23 | 0.09 | 50 | 0.33 | 0.089 |
| Q-B-L20-100M | Soil | 0.47 | 18.23 | 4.67 | 65.2 | 81 | 24.3 | 7.4 | 230 | 2.01 | 2.6 | 0.4 | 1.5 | 2.2 | 27.8 | 0.19 | 0.31 | 0.09 | 51 | 0.35 | 0.052 |
| Q-B-L20-200M | Soil | 0.45 | 11.34 | 5.67 | 58.4 | 157 | 18.4 | 7.2 | 218 | 1.82 | 1.5 | 0.3 | 4.9 | 1.7 | 24.2 | 0.29 | 0.26 | 0.10 | 47 | 0.37 | 0.098 |
| Q-B-L20-300M | Soil | 0.16 | 7.79 | 4.39 | 44.7 | 167 | 11.7 | 4.7 | 107 | 1.21 | 1.2 | 0.3 | 0.5 | 1.1 | 18.5 | 0.39 | 0.21 | 0.07 | 35 | 0.30 | 0.117 |
| Q-B-L20-400M | Soil | 0.59 | 39.97 | 9.35 | 208.0 | 890 | 45.0 | 18.1 | 352 | 2.35 | 3.0 | 0.6 | 1.0 | 3.4 | 26.5 | 1.62 | 0.32 | 0.18 | 44 | 0.32 | 0.399 |
| Q-B-L20-500M | Soil | 1.16 | 181.6 | 15.06 | 174.9 | 1966 | 105.3 | 19.5 | 331 | 3.92 | 5.9 | 6.5 | 3.5 | 1.8 | 49.4 | 2.39 | 0.56 | 0.31 | 90 | 0.54 | 0.155 |
| Q-B-L20-600M | Soil | 1.36 | 52.32 | 11.30 | 126.7 | 561 | 51.3 | 11.4 | 270 | 3.10 | 6.7 | 2.3 | 3.3 | 2.3 | 35.5 | 1.11 | 0.58 | 0.29 | 74 | 0.38 | 0.120 |
| Q-B-L20-700M | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| Q-B-L20-800M | Soil | 0.53 | 14.43 | 5.52 | 86.7 | 81 | 19.6 | 8.5 | 261 | 2.31 | 2.7 | 0.4 | 3.3 | 2.0 | 21.2 | 0.18 | 0.33 | 0.10 | 50 | 0.28 | 0.150 |
| Q-B-L20-900M | Soil | 0.54 | 21.09 | 5.62 | 52.0 | 49 | 24.4 | 9.4 | 306 | 2.31 | 3.9 | 0.4 | 1.5 | 1.8 | 22.2 | 0.19 | 0.38 | 0.09 | 59 | 0.33 | 0.076 |
| Q-B-L20-1000M | Soil | 0.97 | 12.99 | 10.72 | 120.1 | 64 | 25.1 | 19.7 | 1569 | 4.18 | 19.3 | 0.5 | 4.4 | 0.8 | 38.5 | 0.28 | 2.35 | 0.08 | 109 | 0.72 | 0.141 |

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Project: non-given
 Report Date: July 22, 2010

Page: 11 of 13 Part 2

CERTIFICATE OF ANALYSIS

VAN10002973.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|---------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Sc | Tl | S | Hg | Se | Te | Ga | Cs | Ge | Hf |
| | | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | % | ppb | ppm | ppm | ppm | ppm | ppm | ppm |
| Unit | MDL | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.02 | |
| Q-B-L10-650M | Soil | 9.1 | 38.2 | 0.40 | 90.1 | 0.061 | 1 | 1.14 | 0.007 | 0.05 | <0.1 | 2.8 | 0.04 | <0.02 | 24 | <0.1 | 0.02 | 3.6 | 0.57 | <0.1 | 0.03 |
| Q-B-L10-700M | Soil | 4.9 | 24.4 | 0.24 | 61.9 | 0.061 | 1 | 0.68 | 0.007 | 0.03 | <0.1 | 1.7 | 0.02 | <0.02 | 22 | <0.1 | 0.02 | 3.1 | 0.34 | <0.1 | 0.03 |
| Q-B-L10-750M | Soil | 7.7 | 42.5 | 0.45 | 75.9 | 0.074 | 2 | 1.16 | 0.008 | 0.04 | <0.1 | 2.3 | 0.02 | <0.02 | 21 | <0.1 | <0.02 | 3.7 | 0.59 | <0.1 | 0.04 |
| Q-B-L10-950M | Soil | 9.6 | 48.5 | 0.51 | 198.2 | 0.063 | 2 | 1.33 | 0.010 | 0.06 | <0.1 | 4.8 | 0.03 | <0.02 | 79 | 0.2 | 0.03 | 3.8 | 0.56 | <0.1 | 0.05 |
| Q-B-L10-1000M | Soil | 15.3 | 84.4 | 1.17 | 597.5 | 0.061 | 5 | 2.81 | 0.013 | 0.13 | 0.1 | 13.3 | 0.08 | 0.03 | 161 | 0.7 | 0.04 | 6.9 | 1.12 | <0.1 | 0.10 |
| Q-B-L10-1050M | Soil | 9.4 | 61.3 | 0.71 | 301.1 | 0.067 | 3 | 1.43 | 0.011 | 0.07 | 0.1 | 6.1 | 0.03 | <0.02 | 187 | 0.2 | 0.03 | 4.0 | 0.64 | <0.1 | 0.03 |
| Q-B-L10-1100M | Soil | 12.1 | 51.2 | 0.51 | 169.7 | 0.068 | 1 | 1.18 | 0.010 | 0.05 | <0.1 | 4.3 | 0.03 | <0.02 | 52 | 0.2 | 0.02 | 3.6 | 0.51 | <0.1 | 0.04 |
| Q-B-L10-1150M | Soil | 5.9 | 55.5 | 0.36 | 128.0 | 0.068 | 2 | 1.07 | 0.008 | 0.05 | 0.1 | 2.7 | <0.02 | <0.02 | 22 | <0.1 | <0.02 | 3.7 | 0.64 | <0.1 | 0.03 |
| Q-B-L10-1200M | Soil | 4.6 | 58.8 | 0.28 | 199.2 | 0.058 | 2 | 1.31 | 0.007 | 0.04 | 0.1 | 2.5 | 0.02 | <0.02 | 32 | 0.1 | <0.02 | 4.4 | 0.72 | <0.1 | 0.03 |
| Q-B-L10-1300M | Soil | 4.8 | 51.3 | 0.63 | 142.9 | 0.079 | 4 | 1.83 | 0.012 | 0.09 | 0.1 | 3.4 | 0.03 | <0.02 | 23 | 0.1 | <0.02 | 6.4 | 1.00 | <0.1 | 0.06 |
| Q-B-L10-1350 | Soil | 4.9 | 56.0 | 0.50 | 232.9 | 0.061 | 4 | 2.04 | 0.007 | 0.08 | 0.1 | 3.0 | 0.04 | <0.02 | 41 | <0.1 | <0.02 | 6.0 | 1.40 | <0.1 | 0.03 |
| Q-B-L10-1400M | Soil | 5.8 | 55.5 | 0.46 | 138.0 | 0.078 | 2 | 1.85 | 0.007 | 0.06 | <0.1 | 2.9 | 0.03 | <0.02 | 43 | 0.1 | <0.02 | 5.6 | 1.24 | <0.1 | 0.05 |
| Q-B-L10-1450 | Soil | 6.2 | 55.3 | 0.41 | 95.4 | 0.078 | 3 | 1.27 | 0.009 | 0.04 | <0.1 | 2.9 | 0.02 | <0.02 | 50 | <0.1 | <0.02 | 3.8 | 0.89 | <0.1 | 0.03 |
| Q-B-L10-1500 | Soil | 7.5 | 49.6 | 0.45 | 104.3 | 0.086 | 2 | 1.30 | 0.010 | 0.04 | <0.1 | 2.7 | <0.02 | <0.02 | 28 | <0.1 | <0.02 | 4.0 | 0.71 | <0.1 | 0.03 |
| Q-B-L10-1600M | Soil | 13.5 | 70.6 | 0.88 | 706.0 | 0.040 | 7 | 1.98 | 0.017 | 0.07 | 0.1 | 6.3 | 0.03 | 0.11 | 361 | 1.4 | 0.02 | 4.2 | 0.70 | <0.1 | 0.07 |
| Q-B-L10-1700 | Soil | 5.8 | 109.5 | 2.67 | 267.8 | 0.083 | 8 | 2.53 | 0.008 | 0.08 | 0.1 | 5.4 | <0.02 | <0.02 | 26 | <0.1 | <0.02 | 8.2 | 3.64 | <0.1 | 0.04 |
| Q-B-L10-1800M | Soil | 6.0 | 41.2 | 0.28 | 221.7 | 0.061 | 5 | 1.04 | 0.006 | 0.10 | 0.3 | 2.4 | <0.02 | <0.02 | 60 | <0.1 | 0.02 | 3.6 | 0.90 | <0.1 | 0.03 |
| Q-B-L10-1900 | Soil | 6.0 | 35.1 | 0.27 | 128.4 | 0.060 | 3 | 1.27 | 0.007 | 0.07 | 0.2 | 2.7 | <0.02 | <0.02 | 29 | 0.1 | <0.02 | 4.2 | 0.86 | <0.1 | 0.03 |
| Q-B-L10-2000M | Soil | 6.5 | 57.4 | 0.63 | 87.8 | 0.094 | 4 | 1.67 | 0.009 | 0.04 | 0.1 | 3.0 | <0.02 | <0.02 | 39 | <0.1 | 0.04 | 4.4 | 0.84 | <0.1 | 0.05 |
| Q-B-L20-0M | Soil | 9.1 | 34.3 | 0.39 | 85.6 | 0.081 | 2 | 1.48 | 0.007 | 0.06 | <0.1 | 2.7 | 0.05 | <0.02 | 16 | <0.1 | 0.03 | 4.6 | 0.67 | <0.1 | 0.03 |
| Q-B-L20-100M | Soil | 11.7 | 35.7 | 0.52 | 80.0 | 0.092 | 2 | 1.30 | 0.009 | 0.05 | <0.1 | 2.7 | 0.05 | <0.02 | 16 | <0.1 | 0.03 | 4.1 | 0.73 | <0.1 | 0.04 |
| Q-B-L20-200M | Soil | 9.1 | 30.7 | 0.42 | 73.4 | 0.079 | 2 | 1.28 | 0.007 | 0.10 | <0.1 | 2.2 | 0.03 | <0.02 | 15 | <0.1 | <0.02 | 4.5 | 0.55 | <0.1 | 0.03 |
| Q-B-L20-300M | Soil | 5.1 | 28.7 | 0.29 | 54.8 | 0.069 | 2 | 0.91 | 0.006 | 0.05 | <0.1 | 2.0 | <0.02 | <0.02 | 10 | <0.1 | <0.02 | 3.2 | 0.39 | <0.1 | 0.04 |
| Q-B-L20-400M | Soil | 9.5 | 63.5 | 0.43 | 390.8 | 0.075 | 3 | 2.59 | 0.008 | 0.15 | <0.1 | 5.9 | 0.08 | <0.02 | 23 | 0.8 | 0.02 | 7.2 | 1.26 | <0.1 | 0.04 |
| Q-B-L20-500M | Soil | 37.8 | 115.1 | 1.06 | 342.3 | 0.062 | 3 | 4.73 | 0.012 | 0.28 | <0.1 | 12.2 | 0.16 | 0.03 | 175 | 2.5 | 0.05 | 11.6 | 2.14 | <0.1 | 0.02 |
| Q-B-L20-600M | Soil | 15.1 | 78.3 | 0.75 | 197.7 | 0.085 | 2 | 3.17 | 0.012 | 0.19 | <0.1 | 8.2 | 0.16 | <0.02 | 106 | 0.9 | 0.06 | 9.0 | 1.63 | <0.1 | 0.04 |
| Q-B-L20-700M | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| Q-B-L20-800M | Soil | 9.0 | 39.7 | 0.43 | 114.8 | 0.072 | 2 | 1.38 | 0.007 | 0.07 | <0.1 | 2.6 | 0.04 | <0.02 | 10 | <0.1 | 0.02 | 4.6 | 0.75 | <0.1 | 0.03 |
| Q-B-L20-900M | Soil | 8.7 | 43.1 | 0.38 | 84.8 | 0.071 | 2 | 1.16 | 0.007 | 0.07 | <0.1 | 3.0 | 0.04 | <0.02 | 23 | 0.1 | <0.02 | 3.7 | 0.69 | <0.1 | 0.03 |
| Q-B-L20-1000M | Soil | 8.1 | 88.7 | 0.52 | 383.5 | 0.025 | 8 | 1.25 | 0.007 | 0.18 | 0.3 | 14.0 | 0.02 | <0.02 | 54 | 0.3 | <0.02 | 4.1 | 1.38 | <0.1 | 0.04 |

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Project: non-given
 Report Date: July 22, 2010

Page: 11 of 13 Part 3

CERTIFICATE OF ANALYSIS

VAN10002973.1

| Method | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|---------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Analyte | Nb | Rb | Sn | Ta | Zr | Y | Ce | In | Re | Be | Li | Pd | Pt | |
| Unit | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppb | ppm | ppb | ppb | ppb | |
| MDL | 0.02 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 | 0.1 | 0.02 | 1 | 0.1 | 0.1 | 10 | 2 | |
| Q-B-L10-650M | Soil | 0.35 | 7.9 | 0.3 | <0.05 | 1.8 | 3.48 | 17.4 | <0.02 | <1 | 0.2 | 9.3 | <10 | <2 |
| Q-B-L10-700M | Soil | 0.29 | 4.1 | 0.2 | <0.05 | 1.2 | 2.34 | 9.1 | <0.02 | <1 | 0.1 | 4.0 | <10 | <2 |
| Q-B-L10-750M | Soil | 0.35 | 7.4 | 0.3 | <0.05 | 2.1 | 3.48 | 13.8 | <0.02 | <1 | 0.4 | 11.2 | <10 | <2 |
| Q-B-L10-950M | Soil | 0.42 | 7.7 | 0.3 | <0.05 | 1.9 | 9.39 | 16.7 | <0.02 | <1 | 0.4 | 8.7 | <10 | <2 |
| Q-B-L10-1000M | Soil | 0.78 | 13.4 | 0.4 | <0.05 | 4.1 | 18.60 | 24.1 | 0.04 | <1 | 0.8 | 16.9 | <10 | <2 |
| Q-B-L10-1050M | Soil | 0.37 | 6.3 | 0.3 | <0.05 | 1.7 | 7.31 | 17.4 | 0.02 | <1 | 0.5 | 9.1 | <10 | <2 |
| Q-B-L10-1100M | Soil | 0.31 | 6.1 | 0.2 | <0.05 | 1.9 | 9.28 | 17.6 | <0.02 | <1 | 0.5 | 8.9 | <10 | <2 |
| Q-B-L10-1150M | Soil | 0.31 | 6.5 | 0.3 | <0.05 | 1.6 | 3.02 | 10.0 | <0.02 | <1 | 0.3 | 9.1 | <10 | <2 |
| Q-B-L10-1200M | Soil | 0.41 | 6.8 | 0.3 | <0.05 | 1.5 | 2.04 | 8.2 | <0.02 | <1 | 0.3 | 9.0 | <10 | <2 |
| Q-B-L10-1300M | Soil | 0.49 | 9.4 | 0.4 | <0.05 | 2.6 | 2.49 | 9.1 | 0.02 | <1 | 0.3 | 15.0 | <10 | <2 |
| Q-B-L10-1350 | Soil | 0.50 | 9.6 | 0.4 | <0.05 | 1.6 | 2.15 | 9.2 | 0.03 | <1 | 0.3 | 14.6 | <10 | <2 |
| Q-B-L10-1400M | Soil | 0.43 | 9.1 | 0.4 | <0.05 | 2.3 | 2.52 | 10.8 | <0.02 | 1 | 0.4 | 11.0 | <10 | <2 |
| Q-B-L10-1450 | Soil | 0.35 | 7.1 | 0.3 | <0.05 | 1.8 | 2.16 | 11.6 | <0.02 | <1 | 0.3 | 8.9 | <10 | <2 |
| Q-B-L10-1500 | Soil | 0.38 | 5.9 | 0.3 | <0.05 | 1.9 | 2.75 | 15.1 | <0.02 | <1 | 0.4 | 8.3 | <10 | <2 |
| Q-B-L10-1600M | Soil | 0.55 | 6.5 | 0.3 | <0.05 | 3.0 | 15.69 | 18.8 | 0.02 | <1 | 0.6 | 11.6 | 28 | 4 |
| Q-B-L10-1700 | Soil | 0.30 | 8.8 | 0.6 | <0.05 | 2.0 | 2.09 | 12.6 | 0.03 | <1 | 0.4 | 46.7 | <10 | 3 |
| Q-B-L10-1800M | Soil | 0.42 | 9.1 | 0.3 | <0.05 | 1.6 | 1.94 | 11.2 | <0.02 | <1 | 0.7 | 6.7 | <10 | <2 |
| Q-B-L10-1900 | Soil | 0.48 | 7.7 | 0.4 | <0.05 | 1.5 | 1.97 | 11.1 | <0.02 | <1 | 0.3 | 8.0 | <10 | <2 |
| Q-B-L10-2000M | Soil | 0.44 | 6.0 | 0.3 | <0.05 | 2.2 | 2.65 | 12.4 | <0.02 | <1 | 0.4 | 10.1 | <10 | <2 |
| Q-B-L20-0M | Soil | 0.59 | 8.6 | 0.3 | <0.05 | 1.8 | 3.19 | 17.2 | 0.02 | <1 | 0.3 | 12.0 | <10 | <2 |
| Q-B-L20-100M | Soil | 0.47 | 9.7 | 0.3 | <0.05 | 1.9 | 4.51 | 21.4 | <0.02 | <1 | 0.1 | 11.6 | <10 | <2 |
| Q-B-L20-200M | Soil | 0.54 | 9.0 | 0.3 | <0.05 | 1.6 | 2.83 | 17.0 | <0.02 | <1 | 0.2 | 10.7 | <10 | <2 |
| Q-B-L20-300M | Soil | 0.31 | 6.4 | 0.2 | <0.05 | 1.8 | 2.37 | 9.7 | <0.02 | <1 | 0.2 | 5.9 | <10 | <2 |
| Q-B-L20-400M | Soil | 0.74 | 16.0 | 0.6 | <0.05 | 2.8 | 3.15 | 20.3 | 0.04 | <1 | 0.8 | 11.6 | <10 | <2 |
| Q-B-L20-500M | Soil | 1.32 | 24.5 | 0.9 | <0.05 | 1.9 | 20.38 | 62.1 | 0.06 | 2 | 1.2 | 18.4 | <10 | <2 |
| Q-B-L20-600M | Soil | 0.96 | 17.9 | 0.6 | <0.05 | 2.0 | 6.88 | 26.9 | 0.03 | 1 | 0.6 | 15.4 | <10 | <2 |
| Q-B-L20-700M | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| Q-B-L20-800M | Soil | 0.45 | 9.4 | 0.3 | <0.05 | 1.5 | 2.83 | 17.3 | <0.02 | <1 | 0.2 | 11.5 | <10 | <2 |
| Q-B-L20-900M | Soil | 0.39 | 9.7 | 0.3 | <0.05 | 1.5 | 4.02 | 17.0 | <0.02 | <1 | 0.2 | 8.3 | <10 | <2 |
| Q-B-L20-1000M | Soil | 0.40 | 9.4 | 0.4 | <0.05 | 1.0 | 6.04 | 15.8 | 0.05 | <1 | 1.0 | 8.6 | <10 | <2 |

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Project: non-given
 Report Date: July 22, 2010

Page: 12 of 13 Part 1

CERTIFICATE OF ANALYSIS

VAN10002973.1

| Method | Analyte | Unit | MDL | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | | | |
|---------------|---------|------|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P |
| | | | | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | | |
| | | | | 0.01 | 0.01 | 0.01 | 0.1 | 2 | 0.1 | 0.1 | 1 | 0.01 | 0.1 | 0.1 | 0.2 | 0.1 | 0.5 | 0.01 | 0.02 | 0.02 | 2 | 0.01 | 0.001 |
| Q-B-L20-1100M | Soil | | | 0.61 | 8.51 | 5.49 | 56.9 | 172 | 13.4 | 6.3 | 581 | 1.77 | 2.7 | 0.3 | 2.0 | 1.3 | 14.8 | 0.18 | 0.28 | 0.11 | 49 | 0.20 | 0.060 |
| Q-B-L20-1200M | Soil | | | 1.39 | 4.79 | 5.81 | 54.1 | 47 | 5.1 | 10.1 | 2024 | 2.67 | 16.0 | 0.6 | 3.5 | 0.3 | 20.6 | 0.26 | 1.79 | 0.11 | 60 | 0.34 | 0.077 |
| Q-B-L20-1300M | Soil | | | 0.53 | 16.68 | 6.09 | 66.7 | 106 | 18.9 | 8.1 | 1010 | 2.20 | 3.7 | 0.3 | 1.0 | 1.3 | 22.0 | 0.23 | 0.36 | 0.10 | 56 | 0.32 | 0.105 |
| Q-B-L20-1400M | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| Q-B-L20-1500M | Soil | | | 0.70 | 18.60 | 6.13 | 57.9 | 99 | 18.8 | 6.9 | 161 | 3.10 | 5.9 | 0.4 | 2.2 | 1.3 | 14.6 | 0.23 | 0.42 | 0.10 | 84 | 0.20 | 0.167 |
| Q-B-L20-1600M | Soil | | | 0.48 | 19.77 | 4.82 | 50.7 | 63 | 17.7 | 7.7 | 283 | 2.75 | 5.9 | 0.4 | 1.2 | 0.9 | 26.3 | 0.14 | 0.45 | 0.08 | 74 | 0.37 | 0.164 |
| Q-B-L20-1700M | Soil | | | 0.44 | 26.34 | 6.18 | 62.7 | 81 | 21.0 | 9.9 | 219 | 3.01 | 6.7 | 0.4 | 1.4 | 1.4 | 19.9 | 0.14 | 0.41 | 0.10 | 80 | 0.26 | 0.205 |
| Q-B-L20-1800M | Soil | | | 0.54 | 42.33 | 5.55 | 64.2 | 75 | 24.0 | 10.7 | 284 | 3.14 | 9.5 | 0.4 | 1.3 | 1.1 | 22.7 | 0.10 | 0.50 | 0.08 | 84 | 0.29 | 0.166 |
| Q-B-L20-1900M | Soil | | | 0.49 | 12.58 | 5.39 | 47.9 | 67 | 12.2 | 6.0 | 149 | 2.64 | 3.0 | 0.3 | 2.3 | 1.0 | 18.3 | 0.18 | 0.32 | 0.09 | 79 | 0.22 | 0.060 |
| Q-B-L20-2000 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| Q-B-L15-0 | Soil | | | 0.50 | 9.25 | 4.76 | 54.1 | 90 | 15.7 | 6.3 | 188 | 2.13 | 2.5 | 0.3 | 1.1 | 1.3 | 20.1 | 0.18 | 0.26 | 0.10 | 56 | 0.31 | 0.138 |
| Q-B-L15-100 | Soil | | | 0.64 | 20.33 | 5.24 | 77.8 | 68 | 31.7 | 9.6 | 274 | 2.67 | 4.5 | 0.5 | 3.0 | 3.0 | 26.3 | 0.23 | 0.48 | 0.12 | 67 | 0.38 | 0.107 |
| Q-B-L15-200 | Soil | | | 0.53 | 15.71 | 4.99 | 62.8 | 96 | 21.7 | 7.3 | 249 | 2.14 | 2.8 | 0.4 | 3.4 | 1.9 | 23.0 | 0.22 | 0.29 | 0.10 | 56 | 0.33 | 0.077 |
| Q-B-L15-300 | Soil | | | 0.45 | 12.39 | 5.11 | 53.6 | 151 | 15.3 | 5.2 | 133 | 2.23 | 2.3 | 0.3 | 1.0 | 1.3 | 19.5 | 0.20 | 0.26 | 0.11 | 65 | 0.25 | 0.110 |
| Q-B-L15-400 | Soil | | | 0.62 | 20.40 | 5.57 | 71.0 | 31 | 32.1 | 10.1 | 317 | 2.67 | 3.9 | 0.5 | 1.1 | 2.8 | 26.0 | 0.17 | 0.42 | 0.12 | 66 | 0.34 | 0.062 |
| Q-B-L15-500 | Soil | | | 0.61 | 22.67 | 4.92 | 70.5 | 80 | 34.4 | 9.3 | 179 | 2.88 | 3.9 | 0.4 | 3.3 | 2.0 | 17.8 | 0.18 | 0.40 | 0.10 | 73 | 0.25 | 0.112 |
| Q-B-L15-600 | Soil | | | 0.55 | 15.85 | 4.43 | 132.4 | 101 | 25.0 | 10.5 | 312 | 2.92 | 4.7 | 0.3 | 12.6 | 1.6 | 18.5 | 0.36 | 0.38 | 0.09 | 75 | 0.31 | 0.287 |
| Q-B-L15-700 | Soil | | | 0.53 | 20.59 | 3.44 | 50.2 | 67 | 22.1 | 8.0 | 261 | 2.51 | 3.6 | 0.4 | 2.9 | 1.4 | 24.8 | 0.21 | 0.40 | 0.08 | 74 | 0.38 | 0.078 |
| Q-B-L15-800 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| Q-B-L15-900 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| Q-B-L15-1000 | Soil | | | 0.35 | 21.17 | 5.58 | 45.7 | 204 | 31.3 | 9.4 | 499 | 2.44 | 3.4 | 0.4 | 1.1 | 1.8 | 23.3 | 0.26 | 0.27 | 0.11 | 64 | 0.45 | 0.041 |
| Q-B-L15-1100 | Soil | | | 0.57 | 29.06 | 6.28 | 58.8 | 83 | 32.3 | 13.4 | 500 | 2.89 | 6.2 | 0.6 | 12.4 | 2.5 | 23.5 | 0.10 | 0.45 | 0.11 | 73 | 0.44 | 0.055 |
| Q-B-L15-1200 | Soil | | | 0.52 | 19.83 | 4.29 | 48.1 | 70 | 21.5 | 8.2 | 266 | 2.51 | 4.3 | 0.3 | 1.0 | 1.6 | 18.8 | 0.09 | 0.40 | 0.08 | 67 | 0.29 | 0.071 |
| Q-B-L15-1300 | Soil | | | 0.50 | 24.86 | 4.56 | 49.6 | 60 | 24.9 | 8.8 | 242 | 2.75 | 6.0 | 0.4 | 1.5 | 1.7 | 21.1 | 0.09 | 0.42 | 0.08 | 77 | 0.31 | 0.067 |
| Q-B-L15-1400 | Soil | | | 0.52 | 25.40 | 4.63 | 89.1 | 86 | 28.4 | 11.8 | 423 | 3.02 | 5.0 | 0.4 | 4.5 | 1.5 | 24.4 | 0.16 | 0.43 | 0.08 | 79 | 0.35 | 0.185 |
| Q-B-L15-1500 | Soil | | | 0.58 | 34.97 | 4.86 | 59.3 | 112 | 26.2 | 12.5 | 298 | 3.38 | 7.9 | 0.5 | 7.0 | 1.3 | 33.4 | 0.20 | 0.43 | 0.08 | 101 | 0.50 | 0.102 |
| Q-B-L15-1600 | Soil | | | 0.40 | 41.35 | 6.22 | 51.2 | 104 | 31.4 | 13.1 | 546 | 2.64 | 4.8 | 0.6 | 2.5 | 1.7 | 39.7 | 0.08 | 0.42 | 0.12 | 77 | 0.50 | 0.061 |
| Q-B-L15-1700 | Soil | | | 0.50 | 54.02 | 3.82 | 52.5 | 78 | 36.5 | 14.0 | 213 | 3.46 | 5.6 | 0.4 | 21.6 | 1.4 | 23.9 | 0.10 | 0.48 | 0.08 | 99 | 0.28 | 0.149 |
| Q-B-L15-1800 | Soil | | | 0.49 | 34.24 | 4.92 | 54.6 | 60 | 28.4 | 11.3 | 251 | 3.36 | 5.7 | 0.4 | 1.7 | 1.6 | 25.6 | 0.10 | 0.44 | 0.08 | 99 | 0.30 | 0.114 |
| Q-B-L15-1900 | Soil | | | 0.46 | 17.84 | 5.05 | 64.9 | 113 | 15.3 | 7.9 | 188 | 2.83 | 4.7 | 0.4 | 2.2 | 1.4 | 26.7 | 0.11 | 0.44 | 0.09 | 84 | 0.34 | 0.140 |

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Project: non-given
 Report Date: July 22, 2010

Page: 12 of 13 Part 2

CERTIFICATE OF ANALYSIS

VAN10002973.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|---------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Sc | Tl | S | Hg | Se | Te | Ga | Cs | Ge | Hf |
| Unit | | ppm | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | % | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| MDL | | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.1 | 0.02 |
| Q-B-L20-1100M | Soil | 7.0 | 28.9 | 0.21 | 106.0 | 0.056 | 2 | 0.74 | 0.006 | 0.05 | <0.1 | 1.6 | 0.03 | <0.02 | 21 | 0.1 | <0.02 | 3.4 | 0.46 | <0.1 | 0.02 |
| Q-B-L20-1200M | Soil | 4.2 | 8.2 | 0.08 | 433.5 | 0.013 | 4 | 0.62 | 0.009 | 0.10 | 0.6 | 2.2 | <0.02 | <0.02 | 38 | 0.2 | <0.02 | 1.8 | 0.57 | <0.1 | <0.02 |
| Q-B-L20-1300M | Soil | 6.9 | 42.6 | 0.28 | 251.5 | 0.056 | 2 | 1.02 | 0.006 | 0.06 | 0.1 | 2.3 | 0.04 | <0.02 | 35 | 0.2 | <0.02 | 4.0 | 0.74 | <0.1 | 0.03 |
| Q-B-L20-1400M | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| Q-B-L20-1500M | Soil | 6.8 | 46.3 | 0.34 | 75.9 | 0.057 | 1 | 1.33 | 0.007 | 0.04 | 0.1 | 2.2 | <0.02 | <0.02 | 51 | 0.3 | <0.02 | 5.0 | 0.57 | <0.1 | 0.02 |
| Q-B-L20-1600M | Soil | 6.4 | 49.8 | 0.39 | 130.3 | 0.055 | 3 | 1.11 | 0.008 | 0.06 | 0.1 | 2.3 | <0.02 | <0.02 | 53 | 0.2 | <0.02 | 3.9 | 0.54 | <0.1 | <0.02 |
| Q-B-L20-1700M | Soil | 5.9 | 47.2 | 0.50 | 196.2 | 0.063 | 2 | 1.63 | 0.008 | 0.05 | 0.2 | 4.0 | 0.03 | <0.02 | 57 | 0.2 | <0.02 | 5.7 | 0.86 | <0.1 | 0.04 |
| Q-B-L20-1800M | Soil | 6.6 | 58.7 | 0.61 | 177.5 | 0.061 | 2 | 1.74 | 0.010 | 0.05 | 0.2 | 3.8 | <0.02 | <0.02 | 103 | 0.3 | <0.02 | 5.5 | 0.91 | <0.1 | 0.03 |
| Q-B-L20-1900M | Soil | 6.1 | 56.9 | 0.26 | 80.3 | 0.071 | 2 | 1.01 | 0.007 | 0.03 | <0.1 | 2.1 | <0.02 | <0.02 | 30 | 0.2 | <0.02 | 4.6 | 0.49 | <0.1 | 0.02 |
| Q-B-L20-2000 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| Q-B-L15-0 | Soil | 4.5 | 33.3 | 0.24 | 83.5 | 0.053 | 1 | 1.08 | 0.006 | 0.06 | 0.1 | 1.9 | 0.03 | <0.02 | 25 | 0.2 | <0.02 | 4.0 | 0.47 | <0.1 | 0.04 |
| Q-B-L15-100 | Soil | 13.2 | 44.7 | 0.64 | 91.9 | 0.098 | 2 | 1.49 | 0.012 | 0.09 | 0.1 | 3.2 | 0.06 | <0.02 | 17 | 0.2 | <0.02 | 4.8 | 0.79 | <0.1 | 0.06 |
| Q-B-L15-200 | Soil | 10.9 | 36.0 | 0.51 | 83.2 | 0.072 | 1 | 1.34 | 0.009 | 0.07 | <0.1 | 2.6 | 0.05 | <0.02 | 19 | 0.1 | <0.02 | 4.5 | 0.71 | <0.1 | 0.02 |
| Q-B-L15-300 | Soil | 5.3 | 37.6 | 0.25 | 82.7 | 0.061 | 1 | 1.08 | 0.007 | 0.06 | <0.1 | 2.0 | 0.02 | <0.02 | 25 | 0.2 | <0.02 | 4.6 | 0.55 | <0.1 | 0.02 |
| Q-B-L15-400 | Soil | 12.0 | 47.8 | 0.70 | 102.3 | 0.102 | 2 | 1.58 | 0.011 | 0.09 | <0.1 | 3.2 | 0.07 | <0.02 | 21 | 0.2 | <0.02 | 4.8 | 0.90 | <0.1 | 0.05 |
| Q-B-L15-500 | Soil | 8.0 | 49.5 | 0.41 | 144.7 | 0.064 | 2 | 2.00 | 0.008 | 0.04 | 0.1 | 3.2 | 0.04 | <0.02 | 49 | 0.2 | <0.02 | 5.1 | 0.82 | <0.1 | 0.03 |
| Q-B-L15-600 | Soil | 5.7 | 51.7 | 0.32 | 127.6 | 0.055 | 1 | 1.53 | 0.006 | 0.05 | 0.1 | 2.8 | <0.02 | <0.02 | 27 | 0.2 | <0.02 | 4.2 | 0.54 | <0.1 | 0.03 |
| Q-B-L15-700 | Soil | 6.4 | 48.2 | 0.44 | 69.6 | 0.071 | 3 | 1.01 | 0.008 | 0.05 | 0.1 | 2.5 | 0.02 | <0.02 | 29 | 0.2 | <0.02 | 3.4 | 0.48 | <0.1 | 0.03 |
| Q-B-L15-800 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| Q-B-L15-900 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| Q-B-L15-1000 | Soil | 10.4 | 44.2 | 0.34 | 265.4 | 0.072 | 2 | 1.46 | 0.010 | 0.05 | <0.1 | 4.1 | 0.04 | <0.02 | 31 | 0.2 | <0.02 | 3.9 | 0.59 | <0.1 | 0.04 |
| Q-B-L15-1100 | Soil | 13.6 | 54.2 | 0.61 | 244.6 | 0.074 | 3 | 1.56 | 0.010 | 0.09 | 0.1 | 5.5 | 0.06 | <0.02 | 112 | 0.2 | <0.02 | 4.2 | 0.78 | <0.1 | 0.03 |
| Q-B-L15-1200 | Soil | 8.0 | 41.2 | 0.46 | 86.7 | 0.066 | 2 | 1.05 | 0.008 | 0.07 | <0.1 | 2.5 | <0.02 | <0.02 | 52 | 0.2 | <0.02 | 3.5 | 0.60 | <0.1 | 0.02 |
| Q-B-L15-1300 | Soil | 8.6 | 46.2 | 0.54 | 115.1 | 0.073 | 2 | 1.30 | 0.010 | 0.05 | 0.1 | 3.4 | 0.03 | <0.02 | 62 | 0.1 | 0.03 | 4.0 | 0.84 | <0.1 | 0.03 |
| Q-B-L15-1400 | Soil | 6.9 | 58.3 | 0.54 | 196.4 | 0.066 | 2 | 1.63 | 0.010 | 0.06 | 0.1 | 3.4 | 0.03 | <0.02 | 48 | 0.2 | <0.02 | 4.6 | 0.96 | <0.1 | <0.02 |
| Q-B-L15-1500 | Soil | 8.5 | 72.4 | 0.64 | 143.3 | 0.078 | 3 | 1.54 | 0.011 | 0.06 | 0.1 | 4.3 | <0.02 | <0.02 | 114 | 0.2 | <0.02 | 4.9 | 0.96 | <0.1 | 0.02 |
| Q-B-L15-1600 | Soil | 8.2 | 66.7 | 1.01 | 161.1 | 0.102 | 3 | 1.85 | 0.016 | 0.07 | 0.1 | 5.8 | 0.03 | <0.02 | 96 | 0.2 | 0.02 | 5.4 | 1.08 | <0.1 | 0.05 |
| Q-B-L15-1700 | Soil | 5.2 | 67.9 | 0.60 | 166.3 | 0.063 | 3 | 2.08 | 0.009 | 0.05 | 0.1 | 4.1 | <0.02 | <0.02 | 248 | 0.2 | <0.02 | 5.3 | 1.19 | <0.1 | 0.03 |
| Q-B-L15-1800 | Soil | 7.7 | 62.8 | 0.63 | 150.2 | 0.085 | 3 | 1.79 | 0.015 | 0.05 | 0.1 | 4.3 | 0.02 | <0.02 | 143 | 0.1 | <0.02 | 5.4 | 0.84 | <0.1 | 0.04 |
| Q-B-L15-1900 | Soil | 6.4 | 46.1 | 0.32 | 102.1 | 0.069 | 3 | 1.40 | 0.008 | 0.06 | 0.2 | 2.8 | 0.02 | <0.02 | 37 | <0.1 | <0.02 | 4.8 | 0.97 | <0.1 | 0.03 |

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Project: non-given
 Report Date: July 22, 2010

Page: 12 of 13 Part 3

CERTIFICATE OF ANALYSIS

VAN10002973.1

| Method | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|---------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Analyte | Nb | Rb | Sn | Ta | Zr | Y | Ce | In | Re | Be | Li | Pd | Pt | |
| Unit | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppb | ppm | ppb | ppb | ppb | |
| MDL | 0.02 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 | 0.1 | 0.02 | 1 | 0.1 | 0.1 | 10 | 2 | |
| Q-B-L20-1100M | Soil | 0.39 | 8.0 | 0.3 | <0.05 | 1.1 | 1.79 | 16.1 | <0.02 | <1 | <0.1 | 5.9 | <10 | <2 |
| Q-B-L20-1200M | Soil | 0.17 | 7.2 | 0.3 | <0.05 | 0.3 | 2.83 | 8.9 | 0.02 | <1 | 0.3 | 1.8 | <10 | <2 |
| Q-B-L20-1300M | Soil | 0.53 | 10.8 | 0.3 | <0.05 | 1.6 | 2.16 | 12.7 | <0.02 | <1 | 0.2 | 7.4 | <10 | <2 |
| Q-B-L20-1400M | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| Q-B-L20-1500M | Soil | 0.55 | 4.7 | 0.3 | <0.05 | 1.5 | 2.26 | 12.2 | <0.02 | <1 | <0.1 | 11.0 | <10 | <2 |
| Q-B-L20-1600M | Soil | 0.35 | 6.1 | 0.2 | <0.05 | 1.0 | 2.39 | 11.8 | <0.02 | <1 | 0.3 | 9.1 | <10 | <2 |
| Q-B-L20-1700M | Soil | 0.49 | 7.6 | 0.4 | <0.05 | 2.1 | 2.39 | 11.4 | 0.02 | <1 | 0.4 | 13.0 | <10 | <2 |
| Q-B-L20-1800M | Soil | 0.41 | 7.6 | 0.4 | <0.05 | 1.1 | 3.01 | 12.1 | <0.02 | <1 | 0.3 | 15.0 | <10 | <2 |
| Q-B-L20-1900M | Soil | 0.47 | 4.0 | 0.4 | <0.05 | 1.4 | 1.76 | 11.0 | <0.02 | <1 | 0.2 | 6.9 | <10 | <2 |
| Q-B-L20-2000 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| Q-B-L15-0 | Soil | 0.47 | 5.5 | 0.3 | <0.05 | 1.8 | 1.90 | 8.3 | <0.02 | <1 | 0.3 | 7.1 | <10 | <2 |
| Q-B-L15-100 | Soil | 0.56 | 10.7 | 0.3 | <0.05 | 3.4 | 4.96 | 24.3 | <0.02 | <1 | 0.3 | 16.7 | <10 | <2 |
| Q-B-L15-200 | Soil | 0.52 | 11.9 | 0.3 | <0.05 | 1.4 | 3.74 | 20.0 | <0.02 | <1 | 0.3 | 14.3 | <10 | <2 |
| Q-B-L15-300 | Soil | 0.50 | 7.2 | 0.3 | <0.05 | 1.5 | 1.82 | 9.4 | <0.02 | <1 | 0.1 | 9.8 | <10 | <2 |
| Q-B-L15-400 | Soil | 0.56 | 13.4 | 0.3 | <0.05 | 2.8 | 4.18 | 22.7 | <0.02 | <1 | 0.3 | 18.8 | <10 | <2 |
| Q-B-L15-500 | Soil | 0.53 | 8.6 | 0.3 | <0.05 | 2.2 | 3.66 | 14.8 | <0.02 | <1 | 0.4 | 14.6 | <10 | <2 |
| Q-B-L15-600 | Soil | 0.41 | 5.4 | 0.2 | <0.05 | 1.7 | 2.69 | 10.7 | 0.02 | <1 | 0.4 | 10.0 | <10 | <2 |
| Q-B-L15-700 | Soil | 0.25 | 6.3 | 0.2 | <0.05 | 1.7 | 3.65 | 11.5 | <0.02 | <1 | 0.2 | 7.6 | <10 | <2 |
| Q-B-L15-800 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| Q-B-L15-900 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| Q-B-L15-1000 | Soil | 0.46 | 7.0 | 0.3 | <0.05 | 2.3 | 6.13 | 19.7 | 0.02 | <1 | 0.3 | 7.4 | <10 | <2 |
| Q-B-L15-1100 | Soil | 0.55 | 9.2 | 0.3 | <0.05 | 2.0 | 7.92 | 26.7 | <0.02 | <1 | 0.4 | 12.5 | <10 | <2 |
| Q-B-L15-1200 | Soil | 0.39 | 6.2 | 0.2 | <0.05 | 1.6 | 2.88 | 14.7 | <0.02 | <1 | 0.2 | 10.0 | <10 | <2 |
| Q-B-L15-1300 | Soil | 0.40 | 8.0 | 0.3 | <0.05 | 1.7 | 3.72 | 15.6 | <0.02 | <1 | 0.2 | 11.4 | <10 | <2 |
| Q-B-L15-1400 | Soil | 0.45 | 8.6 | 0.3 | <0.05 | 1.4 | 2.41 | 12.4 | <0.02 | <1 | 0.5 | 11.6 | <10 | <2 |
| Q-B-L15-1500 | Soil | 0.47 | 7.1 | 0.3 | <0.05 | 1.5 | 4.46 | 14.8 | <0.02 | <1 | 0.3 | 12.4 | <10 | <2 |
| Q-B-L15-1600 | Soil | 0.58 | 11.8 | 0.4 | <0.05 | 2.7 | 4.70 | 14.8 | 0.02 | <1 | 0.5 | 13.5 | <10 | <2 |
| Q-B-L15-1700 | Soil | 0.50 | 6.5 | 0.3 | <0.05 | 1.6 | 2.53 | 9.5 | 0.02 | <1 | 0.5 | 11.0 | <10 | <2 |
| Q-B-L15-1800 | Soil | 0.50 | 6.8 | 0.3 | <0.05 | 2.4 | 3.26 | 14.6 | 0.02 | <1 | 0.4 | 12.5 | <10 | <2 |
| Q-B-L15-1900 | Soil | 0.57 | 7.2 | 0.4 | <0.05 | 2.0 | 2.23 | 11.5 | <0.02 | <1 | 0.4 | 10.3 | <10 | <2 |

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Project: non-given
 Report Date: July 22, 2010

Page: 13 of 13 Part 1

CERTIFICATE OF ANALYSIS

VAN10002973.1

| Method | Analyte | 1F15 Mo | 1F15 Cu | 1F15 Pb | 1F15 Zn | 1F15 Ag | 1F15 Ni | 1F15 Co | 1F15 Mn | 1F15 Fe | 1F15 As | 1F15 U | 1F15 Au | 1F15 Th | 1F15 Sr | 1F15 Cd | 1F15 Sb | 1F15 Bi | 1F15 V | 1F15 Ca | 1F15 P | |
|----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|---------|---------|---------|---------|---------|---------|--------|---------|--------|--------|
| Unit | MDL | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | |
| Q-B-L15-2000 | Soil | 0.56 | 38.13 | 4.91 | 55.8 | 72 | 27.8 | 12.1 | 233 | 3.84 | 6.7 | 0.5 | 1.1 | 1.4 | 28.2 | 0.12 | 0.40 | 0.08 | 113 | 0.34 | 0.167 | |
| Q-B-ORTH1-0 | Soil | 0.51 | 17.24 | 3.85 | 67.9 | 78 | 24.6 | 7.1 | 219 | 2.11 | 3.1 | 0.4 | 1.3 | 1.7 | 22.6 | 0.28 | 0.39 | 0.09 | 58 | 0.33 | 0.078 | |
| Q-B-ORTH1-100 | Soil | 0.47 | 18.77 | 5.04 | 74.5 | 36 | 27.5 | 8.4 | 250 | 2.31 | 2.8 | 0.5 | 10.0 | 3.0 | 24.6 | 0.15 | 0.34 | 0.11 | 61 | 0.32 | 0.042 | |
| Q-B-ORTH1-200 | Soil | 0.28 | 14.45 | 4.66 | 47.4 | 108 | 15.0 | 6.3 | 286 | 1.96 | 2.7 | 0.3 | 2.0 | 1.6 | 27.2 | 0.24 | 0.30 | 0.09 | 56 | 0.35 | 0.116 | |
| Q-B-ORTH1-300 | Soil | 0.34 | 22.60 | 4.48 | 83.7 | 133 | 19.3 | 9.7 | 458 | 2.32 | 3.2 | 0.4 | 1.9 | 1.9 | 29.1 | 0.44 | 0.33 | 0.09 | 67 | 0.40 | 0.095 | |
| Q-B-ORTH1-400 | Soil | 0.18 | 22.25 | 7.80 | 54.6 | 65 | 27.3 | 9.0 | 202 | 2.12 | 1.5 | 0.5 | 2.4 | 2.7 | 29.7 | 0.23 | 0.43 | 0.12 | 60 | 0.39 | 0.065 | |
| Q-B-ORTH1-500 | Soil | 0.19 | 12.02 | 5.91 | 44.4 | 58 | 17.5 | 5.9 | 177 | 1.42 | 1.3 | 0.5 | 1.3 | 2.4 | 28.2 | 0.13 | 0.32 | 0.10 | 44 | 0.36 | 0.050 | |
| Q-B-ORTH1-600 | Soil | 0.38 | 10.43 | 5.69 | 49.9 | 114 | 13.8 | 4.5 | 134 | 1.62 | 1.1 | 0.3 | 0.6 | 0.9 | 20.8 | 0.28 | 0.22 | 0.11 | 49 | 0.26 | 0.031 | |
| Q-B-ORTH1-700 | Soil | 0.37 | 15.32 | 4.63 | 57.0 | 100 | 17.2 | 6.6 | 200 | 1.84 | 2.3 | 0.4 | 2.4 | 1.6 | 23.1 | 0.12 | 0.27 | 0.08 | 56 | 0.31 | 0.052 | |
| Q-B-ORTH1-800 | Soil | 0.55 | 23.44 | 5.85 | 73.7 | 92 | 31.0 | 9.5 | 259 | 2.72 | 4.5 | 0.4 | 2.8 | 1.5 | 18.2 | 0.19 | 0.35 | 0.11 | 62 | 0.28 | 0.125 | |
| Q-B-ORTH1-900 | Soil | 0.44 | 14.44 | 3.83 | 46.7 | 98 | 23.5 | 8.5 | 186 | 2.27 | 3.6 | 0.3 | 1.3 | 1.3 | 15.3 | 0.10 | 0.28 | 0.07 | 55 | 0.26 | 0.129 | |
| Q-B-ORTH1-1000 | Soil | 0.43 | 15.90 | 4.69 | 46.0 | 63 | 23.9 | 7.6 | 253 | 2.14 | 2.7 | 0.4 | 1.5 | 2.2 | 16.2 | 0.10 | 0.33 | 0.09 | 53 | 0.24 | 0.045 | |
| Q-B-ORTH1-1100 | Soil | 0.48 | 17.35 | 4.70 | 40.6 | 68 | 20.0 | 7.0 | 358 | 1.89 | 3.0 | 0.4 | 1.6 | 1.9 | 19.4 | 0.10 | 0.31 | 0.07 | 49 | 0.29 | 0.038 | |
| Q-B-ORTH1-1200 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| Q-B-ORTH1-1300 | Soil | 0.48 | 22.30 | 5.32 | 41.8 | 57 | 22.8 | 7.5 | 255 | 2.10 | 2.8 | 0.4 | 0.9 | 1.6 | 17.3 | 0.10 | 0.30 | 0.08 | 55 | 0.25 | 0.028 | |
| Q-B-ORTH1-1400 | Soil | 0.31 | 15.16 | 4.87 | 39.2 | 64 | 19.7 | 6.2 | 180 | 1.87 | 2.4 | 0.5 | 2.4 | 1.9 | 18.0 | 0.09 | 0.24 | 0.08 | 48 | 0.30 | 0.042 | |
| Q-B-ORTH1-1500 | Soil | 0.49 | 10.95 | 5.47 | 51.8 | 40 | 19.3 | 8.5 | 282 | 2.32 | 3.4 | 0.3 | 0.5 | 1.6 | 12.6 | 0.09 | 0.30 | 0.09 | 53 | 0.21 | 0.093 | |
| Q-B-ORTH1-1600 | Soil | 0.28 | 9.19 | 4.17 | 50.9 | 233 | 18.5 | 7.1 | 439 | 2.04 | 2.5 | 0.3 | 8.5 | 1.6 | 17.8 | 0.18 | 0.27 | 0.11 | 44 | 0.23 | 0.103 | |
| Q-B-ORTH1-1700 | Soil | 0.62 | 21.33 | 5.28 | 53.2 | 66 | 25.4 | 9.4 | 285 | 2.49 | 4.0 | 0.4 | 2.1 | 2.1 | 17.5 | 0.09 | 0.43 | 0.08 | 59 | 0.27 | 0.050 | |
| Q-B-ORTH1-1800 | Soil | 0.56 | 23.94 | 6.00 | 55.6 | 125 | 28.7 | 9.8 | 220 | 2.76 | 6.4 | 0.4 | 3.1 | 2.3 | 17.9 | 0.11 | 0.45 | 0.09 | 61 | 0.31 | 0.077 | |
| Q-B-ORTH1-1900 | Soil | 0.35 | 20.42 | 4.13 | 60.6 | 54 | 16.6 | 9.1 | 238 | 2.48 | 5.0 | 0.3 | 0.4 | 1.4 | 19.1 | 0.08 | 0.29 | 0.07 | 68 | 0.29 | 0.097 | |
| Q-B-ORTH1-2000 | Soil | 0.63 | 26.00 | 5.18 | 95.6 | 114 | 33.4 | 13.2 | 197 | 3.61 | 6.4 | 0.3 | 2.7 | 1.3 | 22.7 | 0.12 | 0.33 | 0.08 | 84 | 0.35 | 0.188 | |
| Q-B-ORTH1-2100 | Soil | 0.50 | 13.44 | 4.65 | 42.2 | 58 | 15.8 | 8.6 | 271 | 2.40 | 3.6 | 0.3 | 10.4 | 1.7 | 23.7 | 0.10 | 0.30 | 0.08 | 62 | 0.34 | 0.140 | |
| Q-B-ORTH1-2200 | Soil | 0.62 | 27.48 | 7.08 | 80.5 | 41 | 22.2 | 14.7 | 1711 | 2.99 | 4.9 | 0.4 | 1.0 | 1.0 | 29.0 | 0.17 | 0.24 | 0.09 | 86 | 0.41 | 0.116 | |
| Q-B-ORTH1-2300 | Soil | 0.24 | 16.72 | 5.86 | 53.9 | 17 | 12.9 | 4.9 | 183 | 1.58 | 3.1 | 0.3 | 1.2 | 2.0 | 22.6 | 0.03 | 0.10 | 0.10 | 50 | 0.36 | 0.023 | |
| Q-B-ORTH1-2400 | Soil | 0.51 | 29.13 | 5.32 | 64.5 | 99 | 24.1 | 10.0 | 233 | 2.87 | 3.8 | 0.4 | 2.0 | 1.6 | 31.1 | 0.10 | 0.35 | 0.09 | 69 | 0.36 | 0.152 | |
| Q-B-ORTH1-2500 | Soil | 0.70 | 19.89 | 6.87 | 68.0 | 164 | 18.7 | 12.1 | 1434 | 2.94 | 4.6 | 0.3 | 0.5 | 0.9 | 37.6 | 0.23 | 0.33 | 0.10 | 73 | 0.49 | 0.170 | |
| Q-B-ORTH1-2700 | Soil | 0.59 | 18.86 | 6.83 | 119.7 | 56 | 68.3 | 22.5 | 678 | 4.11 | 4.9 | 0.2 | <0.2 | 1.0 | 47.3 | 0.13 | 0.83 | 0.08 | 112 | 0.50 | 0.167 | |



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Project: non-given
Report Date: July 22, 2010

Page: 13 of 13 Part 2

CERTIFICATE OF ANALYSIS

VAN10002973.1

| Method | Analyte | 1F15 | | 1F15 | | 1F15 | | 1F15 | | 1F15 | | 1F15 | | 1F15 | | 1F15 | | 1F15 | | 1F15 | |
|----------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Sc | Tl | S | Hg | Se | Te | Ga | Cs | Ge | Hf |
| Unit | MDL | ppm | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | % | ppb | ppm | ppm | ppm | ppm | ppm | ppm | |
| | | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.1 | 0.02 |
| Q-B-L15-2000 | Soil | 6.7 | 72.2 | 0.62 | 133.0 | 0.083 | 3 | 2.25 | 0.010 | 0.05 | 0.2 | 4.8 | <0.02 | <0.02 | 52 | 0.2 | <0.02 | 6.7 | 1.19 | <0.1 | 0.04 |
| Q-B-ORTH1-0 | Soil | 8.1 | 38.3 | 0.45 | 76.3 | 0.075 | 1 | 1.16 | 0.008 | 0.05 | <0.1 | 2.6 | 0.03 | <0.02 | 24 | 0.1 | <0.02 | 4.1 | 0.56 | <0.1 | 0.03 |
| Q-B-ORTH1-100 | Soil | 13.5 | 41.6 | 0.60 | 71.6 | 0.111 | <1 | 1.44 | 0.010 | 0.08 | <0.1 | 3.2 | 0.06 | <0.02 | 15 | 0.1 | <0.02 | 4.3 | 0.78 | <0.1 | 0.07 |
| Q-B-ORTH1-200 | Soil | 7.4 | 36.8 | 0.32 | 121.2 | 0.072 | 2 | 0.89 | 0.008 | 0.07 | <0.1 | 2.2 | 0.03 | <0.02 | 13 | <0.1 | <0.02 | 3.2 | 0.42 | <0.1 | 0.03 |
| Q-B-ORTH1-300 | Soil | 8.2 | 39.5 | 0.39 | 101.3 | 0.072 | 3 | 0.94 | 0.012 | 0.08 | 0.1 | 3.1 | 0.03 | <0.02 | 23 | 0.1 | <0.02 | 3.2 | 0.49 | <0.1 | 0.03 |
| Q-B-ORTH1-400 | Soil | 12.5 | 39.8 | 0.67 | 67.7 | 0.117 | 2 | 1.43 | 0.011 | 0.10 | <0.1 | 3.6 | 0.08 | <0.02 | 30 | 0.2 | 0.02 | 4.4 | 0.93 | <0.1 | 0.07 |
| Q-B-ORTH1-500 | Soil | 11.1 | 33.4 | 0.45 | 69.6 | 0.094 | 1 | 1.07 | 0.009 | 0.06 | <0.1 | 2.6 | 0.05 | <0.02 | 17 | <0.1 | <0.02 | 3.5 | 0.60 | <0.1 | 0.03 |
| Q-B-ORTH1-600 | Soil | 9.2 | 31.0 | 0.29 | 64.9 | 0.069 | 2 | 0.95 | 0.009 | 0.05 | <0.1 | 1.9 | 0.05 | <0.02 | 21 | <0.1 | <0.02 | 3.8 | 0.65 | <0.1 | <0.02 |
| Q-B-ORTH1-700 | Soil | 8.3 | 34.0 | 0.35 | 77.9 | 0.082 | 1 | 1.07 | 0.009 | 0.05 | <0.1 | 2.3 | 0.04 | <0.02 | 18 | 0.1 | <0.02 | 3.7 | 0.70 | <0.1 | 0.03 |
| Q-B-ORTH1-800 | Soil | 6.0 | 49.8 | 0.42 | 165.2 | 0.051 | 2 | 1.59 | 0.007 | 0.06 | 0.1 | 3.1 | 0.04 | <0.02 | 25 | 0.1 | 0.04 | 4.6 | 1.03 | <0.1 | 0.03 |
| Q-B-ORTH1-900 | Soil | 4.9 | 45.6 | 0.27 | 123.1 | 0.048 | 1 | 1.16 | 0.006 | 0.04 | 0.1 | 2.1 | <0.02 | <0.02 | 28 | 0.1 | <0.02 | 3.3 | 0.63 | <0.1 | 0.04 |
| Q-B-ORTH1-1000 | Soil | 8.6 | 38.5 | 0.37 | 73.6 | 0.077 | 2 | 1.02 | 0.006 | 0.05 | <0.1 | 2.2 | 0.03 | <0.02 | 21 | 0.1 | 0.04 | 3.3 | 0.58 | <0.1 | 0.03 |
| Q-B-ORTH1-1100 | Soil | 9.3 | 35.3 | 0.37 | 78.5 | 0.071 | 2 | 0.88 | 0.007 | 0.05 | <0.1 | 2.2 | 0.03 | <0.02 | 18 | 0.2 | <0.02 | 2.8 | 0.51 | <0.1 | 0.03 |
| Q-B-ORTH1-1200 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| Q-B-ORTH1-1300 | Soil | 9.4 | 39.3 | 0.40 | 103.0 | 0.061 | <1 | 1.15 | 0.008 | 0.03 | <0.1 | 2.5 | 0.03 | <0.02 | 31 | 0.2 | 0.03 | 3.5 | 0.84 | <0.1 | 0.02 |
| Q-B-ORTH1-1400 | Soil | 7.7 | 36.3 | 0.30 | 120.1 | 0.068 | 1 | 0.93 | 0.008 | 0.04 | <0.1 | 2.7 | 0.03 | <0.02 | 12 | 0.2 | <0.02 | 2.7 | 0.50 | <0.1 | 0.06 |
| Q-B-ORTH1-1500 | Soil | 6.7 | 43.8 | 0.30 | 197.2 | 0.055 | 2 | 1.07 | 0.007 | 0.06 | <0.1 | 2.0 | 0.03 | <0.02 | 15 | 0.1 | <0.02 | 3.6 | 0.61 | <0.1 | 0.02 |
| Q-B-ORTH1-1600 | Soil | 6.6 | 41.2 | 0.22 | 126.5 | 0.045 | 3 | 1.23 | 0.018 | 0.17 | <0.1 | 2.4 | 0.07 | <0.02 | 15 | 0.2 | <0.02 | 3.6 | 0.71 | <0.1 | 0.03 |
| Q-B-ORTH1-1700 | Soil | 9.2 | 42.7 | 0.52 | 80.2 | 0.070 | 2 | 1.11 | 0.008 | 0.05 | <0.1 | 2.8 | 0.03 | <0.02 | 30 | 0.2 | <0.02 | 3.7 | 0.61 | <0.1 | 0.04 |
| Q-B-ORTH1-1800 | Soil | 10.3 | 47.6 | 0.50 | 188.2 | 0.072 | 2 | 1.38 | 0.007 | 0.05 | <0.1 | 2.9 | 0.03 | <0.02 | 47 | 0.1 | 0.02 | 4.0 | 0.71 | <0.1 | 0.02 |
| Q-B-ORTH1-1900 | Soil | 6.2 | 45.1 | 0.36 | 82.9 | 0.057 | 2 | 1.13 | 0.007 | 0.04 | 0.1 | 3.1 | <0.02 | <0.02 | 32 | <0.1 | <0.02 | 3.4 | 1.00 | <0.1 | 0.03 |
| Q-B-ORTH1-2000 | Soil | 5.1 | 48.1 | 0.55 | 101.5 | 0.035 | 2 | 2.24 | 0.008 | 0.06 | 0.1 | 3.0 | 0.03 | <0.02 | 38 | 0.3 | <0.02 | 5.9 | 1.41 | <0.1 | 0.03 |
| Q-B-ORTH1-2100 | Soil | 6.2 | 42.0 | 0.28 | 97.1 | 0.072 | 2 | 1.14 | 0.007 | 0.05 | <0.1 | 2.5 | <0.02 | <0.02 | 11 | <0.1 | <0.02 | 3.6 | 0.47 | <0.1 | 0.04 |
| Q-B-ORTH1-2200 | Soil | 5.8 | 53.0 | 0.65 | 204.2 | 0.081 | 4 | 1.79 | 0.010 | 0.07 | <0.1 | 2.9 | 0.02 | <0.02 | 29 | 0.2 | <0.02 | 5.8 | 1.55 | <0.1 | 0.02 |
| Q-B-ORTH1-2300 | Soil | 8.0 | 34.6 | 0.35 | 97.2 | 0.089 | 1 | 1.20 | 0.011 | 0.03 | <0.1 | 3.5 | 0.04 | <0.02 | <5 | 0.1 | <0.02 | 3.2 | 0.75 | <0.1 | 0.06 |
| Q-B-ORTH1-2400 | Soil | 7.6 | 51.5 | 0.56 | 153.5 | 0.067 | 3 | 1.69 | 0.009 | 0.06 | 0.1 | 3.5 | 0.03 | <0.02 | 39 | 0.2 | <0.02 | 5.4 | 1.05 | <0.1 | 0.03 |
| Q-B-ORTH1-2500 | Soil | 5.0 | 51.8 | 0.52 | 271.7 | 0.067 | 3 | 1.38 | 0.008 | 0.09 | 0.1 | 3.0 | <0.02 | <0.02 | 57 | 0.1 | 0.03 | 5.8 | 1.13 | <0.1 | 0.02 |
| Q-B-ORTH1-2700 | Soil | 7.4 | 74.0 | 1.16 | 204.1 | 0.162 | 4 | 2.68 | 0.017 | 0.11 | 0.4 | 5.9 | <0.02 | <0.02 | 27 | 0.2 | <0.02 | 8.3 | 1.19 | <0.1 | 0.05 |



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 Report Date: July 22, 2010

Page: 13 of 13 Part 3

CERTIFICATE OF ANALYSIS

VAN10002973.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|----------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Nb | Rb | Sn | Ta | Zr | Y | Ce | In | Re | Be | Li | Pd | Pt |
| Unit | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppb | ppm | ppb | ppb | |
| MDL | | 0.02 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 | 0.1 | 0.02 | 1 | 0.1 | 10 | 2 | |
| Q-B-L15-2000 | Soil | 0.64 | 7.8 | 0.4 | <0.05 | 2.5 | 3.11 | 12.7 | 0.03 | <1 | 0.5 | 15.1 | <10 | <2 |
| Q-B-ORTH1-0 | Soil | 0.40 | 7.4 | 0.3 | <0.05 | 1.8 | 3.45 | 14.6 | <0.02 | <1 | 0.3 | 12.6 | <10 | <2 |
| Q-B-ORTH1-100 | Soil | 0.48 | 10.5 | 0.4 | <0.05 | 4.0 | 4.12 | 24.4 | <0.02 | <1 | 0.3 | 16.7 | <10 | <2 |
| Q-B-ORTH1-200 | Soil | 0.40 | 5.5 | 0.2 | <0.05 | 1.5 | 2.81 | 12.9 | <0.02 | <1 | 0.1 | 6.5 | <10 | <2 |
| Q-B-ORTH1-300 | Soil | 0.36 | 6.4 | 0.2 | <0.05 | 2.1 | 5.03 | 14.8 | <0.02 | <1 | 0.3 | 6.1 | <10 | <2 |
| Q-B-ORTH1-400 | Soil | 0.46 | 8.9 | 0.3 | <0.05 | 4.2 | 4.27 | 22.4 | <0.02 | <1 | 0.3 | 12.6 | <10 | <2 |
| Q-B-ORTH1-500 | Soil | 0.74 | 8.8 | 0.3 | <0.05 | 1.9 | 4.61 | 19.1 | <0.02 | <1 | 0.3 | 10.2 | <10 | 2 |
| Q-B-ORTH1-600 | Soil | 0.41 | 9.0 | 0.4 | <0.05 | 0.8 | 2.83 | 16.4 | <0.02 | <1 | 0.2 | 8.9 | <10 | <2 |
| Q-B-ORTH1-700 | Soil | 0.50 | 7.3 | 0.3 | <0.05 | 1.8 | 3.18 | 14.7 | <0.02 | <1 | 0.2 | 11.3 | <10 | <2 |
| Q-B-ORTH1-800 | Soil | 0.38 | 8.0 | 0.3 | <0.05 | 1.5 | 3.06 | 11.4 | <0.02 | <1 | 0.4 | 11.1 | <10 | <2 |
| Q-B-ORTH1-900 | Soil | 0.32 | 4.6 | 0.2 | <0.05 | 1.6 | 2.05 | 9.0 | <0.02 | <1 | 0.4 | 7.1 | <10 | <2 |
| Q-B-ORTH1-1000 | Soil | 0.35 | 6.8 | 0.2 | <0.05 | 2.2 | 3.27 | 16.0 | <0.02 | <1 | 0.3 | 10.4 | <10 | <2 |
| Q-B-ORTH1-1100 | Soil | 0.35 | 6.9 | 0.2 | <0.05 | 1.6 | 3.95 | 17.6 | <0.02 | <1 | 0.2 | 8.4 | <10 | <2 |
| Q-B-ORTH1-1200 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| Q-B-ORTH1-1300 | Soil | 0.34 | 8.0 | 0.3 | <0.05 | 1.3 | 3.82 | 17.9 | <0.02 | 1 | 0.3 | 9.4 | <10 | <2 |
| Q-B-ORTH1-1400 | Soil | 0.34 | 5.5 | 0.3 | <0.05 | 2.8 | 4.71 | 14.4 | <0.02 | <1 | 0.3 | 6.7 | <10 | <2 |
| Q-B-ORTH1-1500 | Soil | 0.30 | 7.3 | 0.3 | <0.05 | 1.6 | 1.85 | 12.9 | <0.02 | <1 | 0.3 | 7.0 | <10 | <2 |
| Q-B-ORTH1-1600 | Soil | 0.32 | 12.6 | 0.3 | <0.05 | 1.5 | 2.05 | 12.8 | <0.02 | <1 | 0.2 | 3.3 | <10 | <2 |
| Q-B-ORTH1-1700 | Soil | 0.30 | 6.9 | 0.3 | <0.05 | 1.9 | 3.36 | 17.9 | <0.02 | <1 | 0.3 | 10.9 | <10 | <2 |
| Q-B-ORTH1-1800 | Soil | 0.46 | 7.6 | 0.2 | <0.05 | 1.7 | 3.18 | 19.2 | <0.02 | <1 | 0.3 | 12.2 | <10 | <2 |
| Q-B-ORTH1-1900 | Soil | 0.26 | 5.3 | 0.3 | <0.05 | 1.5 | 2.69 | 11.6 | <0.02 | <1 | 0.5 | 6.5 | <10 | <2 |
| Q-B-ORTH1-2000 | Soil | 0.48 | 8.4 | 0.4 | <0.05 | 1.3 | 1.99 | 9.9 | 0.03 | <1 | 0.4 | 12.2 | <10 | <2 |
| Q-B-ORTH1-2100 | Soil | 0.39 | 4.6 | 0.3 | <0.05 | 1.9 | 2.32 | 12.0 | <0.02 | <1 | 0.2 | 7.0 | <10 | <2 |
| Q-B-ORTH1-2200 | Soil | 0.38 | 7.0 | 0.4 | <0.05 | 1.3 | 1.85 | 11.1 | <0.02 | <1 | 0.3 | 11.1 | <10 | <2 |
| Q-B-ORTH1-2300 | Soil | 0.40 | 6.8 | 0.3 | <0.05 | 2.9 | 3.18 | 15.1 | <0.02 | 1 | 0.2 | 6.5 | <10 | <2 |
| Q-B-ORTH1-2400 | Soil | 0.42 | 9.3 | 0.4 | <0.05 | 1.6 | 2.99 | 14.8 | <0.02 | <1 | 0.3 | 13.3 | <10 | <2 |
| Q-B-ORTH1-2500 | Soil | 0.54 | 9.4 | 0.5 | <0.05 | 1.5 | 1.72 | 9.8 | <0.02 | <1 | 0.3 | 11.9 | <10 | <2 |
| Q-B-ORTH1-2700 | Soil | 0.63 | 15.9 | 0.6 | <0.05 | 2.9 | 1.62 | 15.5 | 0.03 | <1 | 0.8 | 15.8 | <10 | <2 |



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 Report Date: July 22, 2010

Page: 1 of 2 Part 1

QUALITY CONTROL REPORT

VAN10002973.1

| Method | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|--------------------|------|------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|
| Analyte | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | |
| Unit | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | |
| MDL | 0.01 | 0.01 | 0.01 | 0.1 | 2 | 0.1 | 0.1 | 1 | 0.01 | 0.1 | 0.1 | 0.2 | 0.1 | 0.5 | 0.01 | 0.02 | 0.02 | 2 | 0.01 | 0.001 | |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | | | | |
| ST-B-L40-2700 | Soil | 1.32 | 13.42 | 6.22 | 65.9 | 332 | 49.4 | 8.9 | 174 | 2.55 | 1.6 | 1.0 | 0.9 | 5.3 | 17.5 | 0.15 | 0.15 | 0.70 | 45 | 0.23 | 0.123 |
| REP ST-B-L40-2700 | QC | 1.36 | 13.83 | 6.46 | 64.4 | 349 | 49.3 | 9.5 | 173 | 2.56 | 1.8 | 1.0 | 13.9 | 5.2 | 18.2 | 0.17 | 0.14 | 0.74 | 45 | 0.23 | 0.124 |
| H-B-L0N-1300M | Soil | 0.60 | 15.32 | 5.63 | 91.5 | 113 | 29.3 | 9.2 | 238 | 3.16 | 3.3 | 0.4 | 3.1 | 3.8 | 21.1 | 0.22 | 0.22 | 0.12 | 58 | 0.23 | 0.103 |
| REP H-B-L0N-1300M | QC | 0.63 | 16.18 | 5.98 | 96.4 | 126 | 31.5 | 9.9 | 242 | 3.39 | 3.1 | 0.5 | 17.7 | 4.0 | 22.6 | 0.21 | 0.22 | 0.12 | 62 | 0.23 | 0.108 |
| H-B-L10N-0M | Soil | 0.48 | 18.38 | 7.48 | 84.9 | 71 | 34.0 | 14.4 | 434 | 3.21 | 5.0 | 0.6 | 0.5 | 5.3 | 30.8 | 0.26 | 0.32 | 0.15 | 46 | 0.35 | 0.062 |
| REP H-B-L10N-0M | QC | 0.51 | 18.46 | 7.65 | 84.7 | 76 | 34.6 | 13.6 | 448 | 3.24 | 4.8 | 0.6 | 2.0 | 5.5 | 29.6 | 0.25 | 0.32 | 0.14 | 46 | 0.35 | 0.064 |
| H-B-L5N-1600 | Soil | 0.42 | 11.04 | 6.61 | 102.7 | 91 | 23.3 | 9.7 | 330 | 2.53 | 2.1 | 0.4 | 0.3 | 3.4 | 35.0 | 0.37 | 0.15 | 0.13 | 35 | 0.39 | 0.072 |
| REP H-B-L5N-1600 | QC | 0.46 | 12.05 | 7.21 | 112.6 | 101 | 25.2 | 10.6 | 344 | 2.60 | 2.2 | 0.4 | 0.4 | 3.7 | 38.1 | 0.38 | 0.18 | 0.15 | 36 | 0.44 | 0.078 |
| MP-B-L60-200 | Soil | 1.70 | 23.70 | 3.40 | 87.0 | 349 | 8.1 | 3.4 | 254 | 3.20 | 0.2 | 0.4 | <0.2 | 2.1 | 23.2 | 0.20 | 0.04 | 0.09 | 164 | 0.12 | 0.120 |
| REP MP-B-L60-200 | QC | 1.63 | 23.68 | 3.28 | 82.2 | 347 | 7.6 | 3.3 | 255 | 3.21 | <0.1 | 0.4 | 1.9 | 2.0 | 23.3 | 0.20 | 0.05 | 0.09 | 164 | 0.13 | 0.123 |
| MP-B-L70-100 | Soil | 0.83 | 21.10 | 12.67 | 50.8 | 140 | 19.6 | 7.1 | 308 | 1.98 | 3.0 | 0.6 | 0.4 | 1.2 | 63.8 | 0.17 | 0.25 | 0.20 | 47 | 0.43 | 0.099 |
| REP MP-B-L70-100 | QC | 0.78 | 20.57 | 12.77 | 49.5 | 131 | 19.6 | 6.9 | 295 | 1.95 | 2.8 | 0.6 | 0.4 | 1.2 | 62.1 | 0.18 | 0.24 | 0.21 | 46 | 0.43 | 0.098 |
| MP-B-L70-2300 | Soil | 1.30 | 32.08 | 5.54 | 71.3 | 435 | 29.8 | 8.2 | 286 | 2.18 | 1.8 | 0.5 | 0.5 | 2.5 | 24.7 | 0.54 | 0.18 | 0.10 | 40 | 0.24 | 0.098 |
| REP MP-B-L70-2300 | QC | 1.42 | 33.82 | 5.79 | 78.4 | 458 | 31.5 | 8.6 | 301 | 2.31 | 1.8 | 0.5 | <0.2 | 2.7 | 26.5 | 0.55 | 0.19 | 0.10 | 42 | 0.26 | 0.114 |
| MP-B-L55-2400M | Soil | 1.56 | 43.60 | 7.59 | 28.6 | 226 | 14.1 | 2.6 | 126 | 1.35 | 0.5 | 1.0 | 0.5 | 0.7 | 26.9 | 0.08 | 0.06 | 0.42 | 42 | 0.12 | 0.036 |
| REP MP-B-L55-2400M | QC | 1.47 | 41.35 | 7.13 | 28.4 | 220 | 13.9 | 2.6 | 127 | 1.36 | 0.6 | 1.0 | 0.2 | 0.7 | 26.2 | 0.08 | 0.05 | 0.40 | 43 | 0.12 | 0.034 |
| MP-B-OR-1300M | Soil | 1.69 | 39.44 | 10.73 | 42.6 | 678 | 21.2 | 3.8 | 118 | 1.51 | 0.9 | 0.9 | 0.5 | 0.3 | 23.8 | 0.22 | 0.07 | 0.58 | 33 | 0.20 | 0.072 |
| REP MP-B-OR-1300M | QC | 1.65 | 38.00 | 10.20 | 40.8 | 636 | 22.1 | 3.4 | 117 | 1.48 | 1.2 | 0.8 | 0.9 | 0.3 | 22.7 | 0.23 | 0.06 | 0.55 | 33 | 0.19 | 0.075 |
| MP-B-L65-200M | Soil | 1.56 | 26.60 | 32.00 | 32.6 | 2186 | 13.4 | 3.4 | 127 | 1.81 | 1.9 | 0.8 | 2.8 | 0.2 | 32.4 | 0.28 | 0.12 | 0.45 | 41 | 0.17 | 0.128 |
| REP MP-B-L65-200M | QC | 1.51 | 26.71 | 31.11 | 32.3 | 2148 | 13.1 | 3.4 | 125 | 1.79 | 2.1 | 0.8 | 0.6 | 0.2 | 31.6 | 0.28 | 0.13 | 0.45 | 40 | 0.17 | 0.126 |
| MP-B-L65-1000M | Soil | 1.02 | 112.0 | 8.30 | 51.3 | 195 | 15.8 | 7.4 | 173 | 4.43 | 1.4 | 0.5 | 0.4 | 2.5 | 34.7 | 0.15 | 0.11 | 0.17 | 180 | 0.36 | 0.273 |
| REP MP-B-L65-1000M | QC | 1.02 | 111.4 | 8.23 | 51.5 | 199 | 15.2 | 7.1 | 171 | 4.37 | 1.3 | 0.5 | 0.3 | 2.4 | 34.1 | 0.14 | 0.11 | 0.17 | 176 | 0.35 | 0.270 |
| Q-B-L10-950M | Soil | 0.26 | 32.87 | 5.60 | 50.2 | 195 | 21.2 | 8.8 | 435 | 2.83 | 8.0 | 0.5 | 1.4 | 1.5 | 41.3 | 0.22 | 0.27 | 0.10 | 65 | 0.58 | 0.055 |
| REP Q-B-L10-950M | QC | 0.27 | 32.46 | 5.69 | 51.3 | 184 | 21.7 | 8.7 | 438 | 2.83 | 8.5 | 0.5 | 1.9 | 1.4 | 41.6 | 0.22 | 0.27 | 0.10 | 65 | 0.58 | 0.054 |
| Q-B-L20-0M | Soil | 0.38 | 15.05 | 5.40 | 58.4 | 57 | 20.9 | 6.3 | 164 | 1.98 | 2.9 | 0.4 | 17.7 | 2.0 | 20.9 | 0.16 | 0.23 | 0.09 | 50 | 0.33 | 0.089 |
| REP Q-B-L20-0M | QC | 0.40 | 14.96 | 5.13 | 55.1 | 56 | 20.2 | 6.1 | 165 | 1.98 | 2.7 | 0.4 | 3.9 | 2.0 | 21.0 | 0.16 | 0.24 | 0.09 | 50 | 0.32 | 0.092 |
| Q-B-L20-1000M | Soil | 0.97 | 12.99 | 10.72 | 120.1 | 64 | 25.1 | 19.7 | 1569 | 4.18 | 19.3 | 0.5 | 4.4 | 0.8 | 38.5 | 0.28 | 2.35 | 0.08 | 109 | 0.72 | 0.141 |
| REP Q-B-L20-1000M | QC | 1.05 | 12.78 | 10.99 | 121.8 | 65 | 25.3 | 19.9 | 1558 | 4.15 | 19.4 | 0.5 | 2.7 | 0.8 | 39.3 | 0.28 | 2.34 | 0.08 | 109 | 0.73 | 0.145 |

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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 Report Date: July 22, 2010

Page: 1 of 2 Part 2

QUALITY CONTROL REPORT

VAN10002973.1

| Method | Analyte | Unit | MDL | 1F15 La | 1F15 Cr | 1F15 Mg | 1F15 Ba | 1F15 Ti | 1F15 B | 1F15 Al | 1F15 Na | 1F15 K | 1F15 W | 1F15 Sc | 1F15 Ti | 1F15 S | 1F15 Hg | 1F15 Se | 1F15 Te | 1F15 Ga | 1F15 Cs | 1F15 Ge | 1F15 Hf |
|--------------------|---------|------|-----|------------|------------|------------|------------|------------|-----------|------------|------------|-----------|-----------|------------|------------|-----------|------------|------------|------------|------------|------------|------------|------------|
| | | | | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | % | ppb | ppm | ppm | ppm | ppm | ppm | ppm |
| | | | | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.1 | 0.02 |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | | | | | | |
| ST-B-L40-2700 | Soil | | | 15.9 | 53.9 | 0.46 | 84.4 | 0.088 | 1 | 2.17 | 0.007 | 0.10 | 0.2 | 2.9 | 0.10 | <0.02 | 49 | 0.4 | 0.02 | 6.2 | 2.20 | <0.1 | 0.05 |
| REP ST-B-L40-2700 | QC | | | 16.6 | 56.8 | 0.50 | 84.2 | 0.088 | 1 | 2.14 | 0.007 | 0.10 | 0.2 | 2.8 | 0.10 | <0.02 | 55 | 0.2 | 0.03 | 6.1 | 2.25 | <0.1 | 0.05 |
| H-B-L0N-1300M | Soil | | | 14.8 | 42.5 | 0.66 | 80.5 | 0.069 | 2 | 1.74 | 0.008 | 0.09 | 0.1 | 2.3 | 0.05 | <0.02 | 20 | 0.4 | 0.03 | 5.9 | 1.08 | <0.1 | 0.02 |
| REP H-B-L0N-1300M | QC | | | 15.8 | 46.8 | 0.71 | 87.2 | 0.071 | 2 | 1.85 | 0.008 | 0.10 | 0.2 | 2.3 | 0.05 | <0.02 | 69 | 0.5 | 0.07 | 6.3 | 1.12 | <0.1 | 0.03 |
| H-B-L10N-0M | Soil | | | 19.4 | 45.6 | 0.82 | 95.4 | 0.078 | 1 | 1.77 | 0.008 | 0.17 | <0.1 | 3.2 | 0.09 | <0.02 | 17 | 0.3 | <0.02 | 5.3 | 1.32 | <0.1 | 0.02 |
| REP H-B-L10N-0M | QC | | | 20.0 | 44.3 | 0.82 | 99.5 | 0.079 | 2 | 1.80 | 0.008 | 0.18 | <0.1 | 3.2 | 0.09 | <0.02 | 12 | 0.3 | <0.02 | 5.6 | 1.33 | <0.1 | 0.02 |
| H-B-L5N-1600 | Soil | | | 12.6 | 35.6 | 0.60 | 75.4 | 0.051 | 3 | 1.32 | 0.006 | 0.14 | <0.1 | 1.9 | 0.05 | <0.02 | 12 | 0.1 | 0.03 | 4.3 | 0.67 | <0.1 | 0.02 |
| REP H-B-L5N-1600 | QC | | | 14.1 | 39.7 | 0.62 | 76.7 | 0.056 | 3 | 1.39 | 0.007 | 0.15 | <0.1 | 2.2 | 0.06 | <0.02 | 23 | 0.1 | <0.02 | 4.9 | 0.74 | <0.1 | 0.03 |
| MP-B-L60-200 | Soil | | | 8.0 | 73.3 | 1.13 | 209.2 | 0.168 | <1 | 1.94 | 0.011 | 0.67 | 0.1 | 7.6 | 0.36 | 0.19 | 48 | 1.9 | 0.06 | 8.4 | 2.22 | 0.1 | <0.02 |
| REP MP-B-L60-200 | QC | | | 8.0 | 68.9 | 1.15 | 206.1 | 0.169 | <1 | 1.95 | 0.011 | 0.67 | 0.2 | 7.8 | 0.35 | 0.19 | 39 | 1.8 | 0.06 | 8.1 | 2.19 | <0.1 | <0.02 |
| MP-B-L70-100 | Soil | | | 11.9 | 32.3 | 0.36 | 128.8 | 0.052 | 1 | 1.08 | 0.014 | 0.06 | <0.1 | 2.5 | 0.04 | <0.02 | 34 | 0.2 | <0.02 | 3.5 | 0.57 | <0.1 | <0.02 |
| REP MP-B-L70-100 | QC | | | 12.0 | 30.5 | 0.37 | 127.1 | 0.049 | 2 | 1.05 | 0.013 | 0.06 | <0.1 | 2.4 | 0.04 | <0.02 | 26 | 0.2 | 0.02 | 3.4 | 0.54 | <0.1 | <0.02 |
| MP-B-L70-2300 | Soil | | | 9.3 | 33.4 | 0.66 | 113.3 | 0.066 | <1 | 1.50 | 0.005 | 0.27 | <0.1 | 2.0 | 0.17 | <0.02 | 23 | 0.6 | <0.02 | 3.7 | 1.53 | <0.1 | <0.02 |
| REP MP-B-L70-2300 | QC | | | 9.9 | 35.4 | 0.70 | 121.4 | 0.072 | 1 | 1.57 | 0.005 | 0.29 | <0.1 | 2.2 | 0.17 | <0.02 | 22 | 0.5 | <0.02 | 3.9 | 1.70 | <0.1 | 0.02 |
| MP-B-L55-2400M | Soil | | | 9.3 | 27.8 | 0.27 | 48.2 | 0.041 | 1 | 0.72 | 0.007 | 0.06 | 0.1 | 1.4 | 0.10 | <0.02 | 39 | 0.4 | 0.02 | 4.5 | 2.22 | <0.1 | <0.02 |
| REP MP-B-L55-2400M | QC | | | 8.9 | 28.4 | 0.26 | 46.9 | 0.043 | 1 | 0.74 | 0.007 | 0.06 | 0.1 | 1.5 | 0.09 | <0.02 | 41 | 0.4 | <0.02 | 4.4 | 2.18 | <0.1 | <0.02 |
| MP-B-OR-1300M | Soil | | | 10.0 | 42.7 | 0.31 | 79.6 | 0.049 | 2 | 1.28 | 0.009 | 0.08 | 0.2 | 1.4 | 0.10 | <0.02 | 48 | 0.5 | <0.02 | 6.5 | 1.76 | <0.1 | <0.02 |
| REP MP-B-OR-1300M | QC | | | 9.9 | 43.1 | 0.29 | 77.2 | 0.049 | 1 | 1.27 | 0.008 | 0.08 | 0.2 | 1.5 | 0.11 | <0.02 | 52 | 0.3 | <0.02 | 6.3 | 1.66 | 0.1 | <0.02 |
| MP-B-L65-200M | Soil | | | 11.2 | 30.9 | 0.25 | 85.7 | 0.026 | 2 | 1.51 | 0.012 | 0.05 | 0.2 | 1.0 | 0.09 | 0.06 | 148 | 0.7 | 0.03 | 4.2 | 1.15 | <0.1 | <0.02 |
| REP MP-B-L65-200M | QC | | | 11.1 | 30.8 | 0.24 | 83.0 | 0.026 | 2 | 1.50 | 0.012 | 0.05 | 0.2 | 0.9 | 0.08 | 0.05 | 137 | 0.6 | 0.03 | 4.3 | 1.14 | <0.1 | <0.02 |
| MP-B-L65-1000M | Soil | | | 9.7 | 31.6 | 0.24 | 103.2 | 0.094 | <1 | 1.01 | 0.012 | 0.05 | 0.2 | 2.8 | 0.02 | 0.03 | 22 | 0.6 | 0.02 | 7.5 | 0.67 | <0.1 | 0.02 |
| REP MP-B-L65-1000M | QC | | | 9.8 | 30.8 | 0.24 | 103.2 | 0.092 | <1 | 1.00 | 0.011 | 0.05 | 0.2 | 2.6 | <0.02 | 0.03 | 24 | 0.4 | 0.02 | 7.2 | 0.65 | <0.1 | 0.02 |
| Q-B-L10-950M | Soil | | | 9.6 | 48.5 | 0.51 | 198.2 | 0.063 | 2 | 1.33 | 0.010 | 0.06 | <0.1 | 4.8 | 0.03 | <0.02 | 79 | 0.2 | 0.03 | 3.8 | 0.56 | <0.1 | 0.05 |
| REP Q-B-L10-950M | QC | | | 9.6 | 48.1 | 0.50 | 188.0 | 0.061 | 2 | 1.31 | 0.009 | 0.06 | <0.1 | 4.4 | 0.03 | <0.02 | 69 | 0.3 | <0.02 | 3.9 | 0.55 | <0.1 | 0.04 |
| Q-B-L20-0M | Soil | | | 9.1 | 34.3 | 0.39 | 85.6 | 0.081 | 2 | 1.48 | 0.007 | 0.06 | <0.1 | 2.7 | 0.05 | <0.02 | 16 | <0.1 | 0.03 | 4.6 | 0.67 | <0.1 | 0.03 |
| REP Q-B-L20-0M | QC | | | 9.6 | 35.3 | 0.38 | 83.8 | 0.080 | 2 | 1.47 | 0.007 | 0.05 | <0.1 | 2.6 | 0.04 | <0.02 | 22 | <0.1 | <0.02 | 4.6 | 0.69 | <0.1 | 0.03 |
| Q-B-L20-1000M | Soil | | | 8.1 | 88.7 | 0.52 | 383.5 | 0.025 | 8 | 1.25 | 0.007 | 0.18 | 0.3 | 14.0 | 0.02 | <0.02 | 54 | 0.3 | <0.02 | 4.1 | 1.38 | <0.1 | 0.04 |
| REP Q-B-L20-1000M | QC | | | 8.3 | 90.0 | 0.52 | 386.6 | 0.025 | 8 | 1.27 | 0.007 | 0.18 | 0.3 | 13.8 | 0.03 | <0.02 | 46 | 0.3 | <0.02 | 4.1 | 1.48 | <0.1 | 0.03 |



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 Report Date: July 22, 2010

Page: 1 of 2 Part 3

QUALITY CONTROL REPORT

VAN10002973.1

| Method | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|--------------------|------|------|------|------|-------|------|------|------|-------|------|------|------|------|----|
| Analyte | Nb | Rb | Sn | Ta | Zr | Y | Ce | In | Re | Be | Li | Pd | Pt | |
| Unit | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppb | ppb | |
| MDL | 0.02 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 | 0.1 | 0.02 | 1 | 0.1 | 0.1 | 10 | 2 | |
| Pulp Duplicates | | | | | | | | | | | | | | |
| ST-B-L40-2700 | Soil | 1.18 | 17.7 | 0.5 | <0.05 | 2.6 | 4.54 | 31.5 | 0.03 | <1 | 0.8 | 29.9 | <10 | <2 |
| REP ST-B-L40-2700 | QC | 1.27 | 17.5 | 0.4 | <0.05 | 2.6 | 4.71 | 32.3 | 0.02 | <1 | 0.4 | 29.3 | <10 | <2 |
| H-B-L0N-1300M | Soil | 0.83 | 14.7 | 0.3 | <0.05 | 1.5 | 2.51 | 28.5 | <0.02 | 1 | 0.3 | 28.4 | <10 | 3 |
| REP H-B-L0N-1300M | QC | 0.80 | 15.6 | 0.3 | <0.05 | 1.5 | 2.66 | 30.4 | <0.02 | <1 | 0.2 | 31.1 | <10 | 4 |
| H-B-L10N-0M | Soil | 0.70 | 26.2 | 0.3 | <0.05 | 1.4 | 4.63 | 39.0 | <0.02 | <1 | 0.4 | 29.4 | <10 | <2 |
| REP H-B-L10N-0M | QC | 0.66 | 26.4 | 0.3 | <0.05 | 1.5 | 4.82 | 39.8 | <0.02 | <1 | 0.4 | 30.3 | <10 | 3 |
| H-B-L5N-1600 | Soil | 0.66 | 13.8 | 0.2 | <0.05 | 1.1 | 2.36 | 25.2 | 0.02 | <1 | 0.2 | 24.8 | <10 | <2 |
| REP H-B-L5N-1600 | QC | 0.74 | 15.6 | 0.3 | <0.05 | 1.2 | 2.67 | 27.6 | <0.02 | <1 | 0.2 | 25.4 | <10 | <2 |
| MP-B-L60-200 | Soil | 0.64 | 40.6 | 0.2 | <0.05 | 0.5 | 2.12 | 13.3 | <0.02 | <1 | 0.3 | 21.4 | <10 | <2 |
| REP MP-B-L60-200 | QC | 0.68 | 39.7 | 0.2 | <0.05 | 0.5 | 2.05 | 12.9 | 0.02 | <1 | 0.3 | 20.8 | <10 | <2 |
| MP-B-L70-100 | Soil | 0.57 | 5.6 | 0.3 | <0.05 | 0.7 | 4.05 | 19.9 | <0.02 | <1 | 0.5 | 6.3 | <10 | <2 |
| REP MP-B-L70-100 | QC | 0.52 | 5.0 | 0.3 | <0.05 | 0.7 | 4.16 | 19.3 | <0.02 | <1 | 0.3 | 6.4 | <10 | <2 |
| MP-B-L70-2300 | Soil | 0.43 | 18.6 | 0.2 | <0.05 | 1.4 | 4.57 | 17.1 | <0.02 | <1 | 0.2 | 16.3 | <10 | <2 |
| REP MP-B-L70-2300 | QC | 0.43 | 19.9 | 0.2 | <0.05 | 1.5 | 4.78 | 17.8 | <0.02 | <1 | 0.3 | 16.6 | <10 | <2 |
| MP-B-L55-2400M | Soil | 0.85 | 13.7 | 0.6 | <0.05 | 0.2 | 3.51 | 17.1 | <0.02 | <1 | 0.3 | 11.1 | <10 | <2 |
| REP MP-B-L55-2400M | QC | 0.90 | 13.2 | 0.6 | <0.05 | 0.2 | 3.41 | 16.5 | <0.02 | <1 | 0.2 | 10.7 | <10 | <2 |
| MP-B-OR-1300M | Soil | 0.57 | 15.2 | 0.6 | <0.05 | 0.2 | 3.91 | 17.9 | <0.02 | 2 | 0.4 | 8.1 | <10 | <2 |
| REP MP-B-OR-1300M | QC | 0.61 | 14.2 | 0.5 | <0.05 | 0.2 | 3.76 | 17.9 | 0.02 | 1 | 0.2 | 7.3 | <10 | <2 |
| MP-B-L65-200M | Soil | 0.72 | 5.2 | 0.4 | <0.05 | 0.2 | 2.82 | 17.2 | <0.02 | <1 | 0.5 | 7.1 | <10 | <2 |
| REP MP-B-L65-200M | QC | 0.70 | 5.0 | 0.3 | <0.05 | 0.2 | 2.78 | 16.9 | <0.02 | <1 | 0.4 | 7.0 | <10 | <2 |
| MP-B-L65-1000M | Soil | 0.75 | 5.9 | 0.5 | <0.05 | 1.3 | 3.44 | 16.5 | 0.03 | <1 | 0.3 | 5.2 | <10 | <2 |
| REP MP-B-L65-1000M | QC | 0.76 | 5.8 | 0.5 | <0.05 | 1.4 | 3.30 | 16.5 | 0.02 | <1 | 0.3 | 5.4 | <10 | <2 |
| Q-B-L10-950M | Soil | 0.42 | 7.7 | 0.3 | <0.05 | 1.9 | 9.39 | 16.7 | <0.02 | <1 | 0.4 | 8.7 | <10 | <2 |
| REP Q-B-L10-950M | QC | 0.40 | 7.6 | 0.3 | <0.05 | 1.9 | 9.56 | 16.2 | <0.02 | 1 | 0.5 | 9.2 | <10 | <2 |
| Q-B-L20-0M | Soil | 0.59 | 8.6 | 0.3 | <0.05 | 1.8 | 3.19 | 17.2 | 0.02 | <1 | 0.3 | 12.0 | <10 | <2 |
| REP Q-B-L20-0M | QC | 0.54 | 8.6 | 0.3 | <0.05 | 1.8 | 3.16 | 18.0 | <0.02 | <1 | 0.2 | 11.6 | <10 | <2 |
| Q-B-L20-1000M | Soil | 0.40 | 9.4 | 0.4 | <0.05 | 1.0 | 6.04 | 15.8 | 0.05 | <1 | 1.0 | 8.6 | <10 | <2 |
| REP Q-B-L20-1000M | QC | 0.39 | 9.6 | 0.4 | <0.05 | 1.1 | 6.11 | 15.9 | 0.04 | <1 | 0.7 | 8.2 | <10 | <2 |

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



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Project: non-given
 Report Date: July 22, 2010

Page: 2 of 2 Part 1

QUALITY CONTROL REPORT

VAN10002973.1

| | | 1F15 Mo ppm 0.01 | 1F15 Cu ppm 0.01 | 1F15 Pb ppm 0.01 | 1F15 Zn ppm 0.1 | 1F15 Ag ppb 2 | 1F15 Ni ppm 0.1 | 1F15 Co ppm 0.1 | 1F15 Mn ppm 1 | 1F15 Fe % 0.01 | 1F15 As ppm 0.1 | 1F15 U ppm 0.1 | 1F15 Au ppb 0.2 | 1F15 Th ppm 0.1 | 1F15 Sr ppm 0.5 | 1F15 Cd ppm 0.01 | 1F15 Sb ppm 0.02 | 1F15 Bi ppm 0.02 | 1F15 V ppm 2 | 1F15 Ca % 0.01 | 1F15 P % 0.001 |
|---------------------|----------|---------------------------|---------------------------|---------------------------|--------------------------|------------------------|--------------------------|--------------------------|------------------------|-------------------------|--------------------------|-------------------------|--------------------------|--------------------------|--------------------------|---------------------------|---------------------------|---------------------------|-----------------------|-------------------------|-------------------------|
| Q-B-L15-1800 | Soil | 0.49 | 34.24 | 4.92 | 54.6 | 60 | 28.4 | 11.3 | 251 | 3.36 | 5.7 | 0.4 | 1.7 | 1.6 | 25.6 | 0.10 | 0.44 | 0.08 | 99 | 0.30 | 0.114 |
| REP Q-B-L15-1800 | QC | 0.47 | 33.46 | 4.84 | 52.5 | 59 | 27.2 | 11.2 | 244 | 3.31 | 5.7 | 0.4 | 1.4 | 1.6 | 24.9 | 0.09 | 0.44 | 0.08 | 101 | 0.29 | 0.110 |
| Q-B-ORTH-800 | Soil | 0.55 | 23.44 | 5.85 | 73.7 | 92 | 31.0 | 9.5 | 259 | 2.72 | 4.5 | 0.4 | 2.8 | 1.5 | 18.2 | 0.19 | 0.35 | 0.11 | 62 | 0.28 | 0.125 |
| REP Q-B-ORTH-800 | QC | 0.56 | 24.58 | 6.19 | 73.5 | 95 | 33.2 | 10.1 | 244 | 2.71 | 4.9 | 0.4 | 4.5 | 1.8 | 19.7 | 0.20 | 0.39 | 0.10 | 62 | 0.30 | 0.131 |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | |
| STD DS7 | Standard | 21.27 | 106.0 | 66.11 | 378.6 | 967 | 56.8 | 9.9 | 627 | 2.41 | 53.6 | 4.8 | 66.8 | 4.6 | 80.3 | 6.56 | 6.22 | 4.61 | 84 | 1.00 | 0.079 |
| STD DS7 | Standard | 19.71 | 98.95 | 65.05 | 375.9 | 969 | 50.7 | 8.9 | 599 | 2.38 | 50.8 | 4.4 | 68.7 | 4.1 | 66.7 | 6.57 | 6.01 | 4.61 | 82 | 0.92 | 0.081 |
| STD DS7 | Standard | 20.70 | 102.0 | 63.71 | 383.8 | 940 | 56.3 | 9.6 | 642 | 2.40 | 51.6 | 4.7 | 64.6 | 4.5 | 73.4 | 6.48 | 6.03 | 4.56 | 83 | 0.97 | 0.086 |
| STD DS7 | Standard | 20.41 | 108.3 | 65.32 | 387.1 | 964 | 54.8 | 9.2 | 618 | 2.35 | 49.5 | 4.6 | 74.8 | 4.5 | 74.2 | 6.43 | 6.16 | 4.68 | 83 | 0.97 | 0.077 |
| STD DS7 | Standard | 20.56 | 105.2 | 65.05 | 378.7 | 950 | 53.4 | 9.3 | 598 | 2.29 | 49.5 | 4.7 | 67.1 | 4.5 | 71.0 | 6.12 | 5.77 | 4.68 | 80 | 0.93 | 0.079 |
| STD DS7 | Standard | 22.30 | 102.4 | 67.75 | 395.9 | 972 | 55.6 | 9.7 | 652 | 2.42 | 52.1 | 4.9 | 72.2 | 4.8 | 80.2 | 6.54 | 6.03 | 4.88 | 83 | 1.00 | 0.086 |
| STD DS7 | Standard | 20.28 | 109.9 | 69.06 | 372.5 | 906 | 52.6 | 9.3 | 601 | 2.32 | 50.4 | 5.0 | 71.8 | 5.0 | 67.8 | 6.26 | 6.11 | 4.75 | 78 | 0.95 | 0.074 |
| STD DS7 | Standard | 21.91 | 117.7 | 76.67 | 403.1 | 982 | 59.2 | 9.9 | 669 | 2.45 | 52.2 | 5.4 | 72.0 | 5.4 | 72.2 | 6.75 | 6.38 | 5.02 | 81 | 1.00 | 0.077 |
| STD DS7 | Standard | 20.24 | 107.9 | 65.67 | 393.2 | 926 | 53.9 | 9.4 | 605 | 2.35 | 48.2 | 4.6 | 60.9 | 4.1 | 63.6 | 6.13 | 5.53 | 4.53 | 77 | 0.90 | 0.080 |
| STD DS7 Expected | | 20.5 | 109 | 70.6 | 411 | 890 | 56 | 9.7 | 627 | 2.39 | 48.2 | 4.9 | 70 | 4.4 | 68.7 | 6.38 | 4.6 | 4.51 | 84 | 0.93 | 0.08 |
| BLK | Blank | <0.01 | <0.01 | <0.01 | <0.1 | <2 | <0.1 | <0.1 | <1 | <0.01 | <0.1 | <0.1 | <0.2 | <0.1 | <0.5 | <0.01 | <0.02 | <0.02 | <2 | <0.01 | <0.001 |
| BLK | Blank | <0.01 | <0.01 | <0.01 | <0.1 | <2 | <0.1 | <0.1 | <1 | <0.01 | <0.1 | <0.1 | <0.2 | <0.1 | <0.5 | <0.01 | <0.02 | <0.02 | <2 | <0.01 | <0.001 |
| BLK | Blank | <0.01 | <0.01 | <0.01 | <0.1 | <2 | <0.1 | <0.1 | <1 | <0.01 | <0.1 | <0.1 | <0.2 | <0.1 | <0.5 | <0.01 | <0.02 | <0.02 | <2 | <0.01 | <0.001 |
| BLK | Blank | <0.01 | <0.01 | <0.01 | <0.1 | <2 | <0.1 | <0.1 | <1 | <0.01 | <0.1 | <0.1 | <0.2 | <0.1 | <0.5 | <0.01 | <0.02 | <0.02 | <2 | <0.01 | <0.001 |
| BLK | Blank | <0.01 | <0.01 | <0.01 | <0.1 | <2 | <0.1 | <0.1 | <1 | <0.01 | <0.1 | <0.1 | <0.2 | <0.1 | <0.5 | <0.01 | <0.02 | <0.02 | <2 | <0.01 | <0.001 |
| BLK | Blank | <0.01 | <0.01 | <0.01 | <0.1 | <2 | <0.1 | <0.1 | <1 | <0.01 | <0.1 | <0.1 | <0.2 | <0.1 | <0.5 | <0.01 | <0.02 | <0.02 | <2 | <0.01 | <0.001 |
| BLK | Blank | <0.01 | <0.01 | <0.01 | <0.1 | <2 | <0.1 | <0.1 | <1 | <0.01 | <0.1 | <0.1 | <0.2 | <0.1 | <0.5 | <0.01 | <0.02 | <0.02 | <2 | <0.01 | <0.001 |
| BLK | Blank | <0.01 | <0.01 | <0.01 | <0.1 | <2 | <0.1 | <0.1 | <1 | <0.01 | <0.1 | <0.1 | <0.2 | <0.1 | <0.5 | <0.01 | <0.02 | <0.02 | <2 | <0.01 | <0.001 |
| BLK | Blank | <0.01 | <0.01 | <0.01 | <0.1 | <2 | <0.1 | <0.1 | <1 | <0.01 | <0.1 | <0.1 | <0.2 | <0.1 | <0.5 | <0.01 | <0.02 | <0.02 | <2 | <0.01 | <0.001 |



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 Report Date: July 22, 2010

Page: 2 of 2 Part 2

QUALITY CONTROL REPORT

VAN10002973.1

| | | 1F15 La ppm | 1F15 Cr ppm | 1F15 Mg % | 1F15 Ba ppm | 1F15 Ti % | 1F15 B ppm | 1F15 Al % | 1F15 Na % | 1F15 K % | 1F15 W ppm | 1F15 Sc ppm | 1F15 Ti ppm | 1F15 S % | 1F15 Hg ppb | 1F15 Se ppm | 1F15 Te ppm | 1F15 Ga ppm | 1F15 Cs ppm | 1F15 Ge ppm | 1F15 Hf ppm |
|---------------------|----------|-------------------|-------------------|-----------------|-------------------|-----------------|------------------|-----------------|-----------------|----------------|------------------|-------------------|-------------------|----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.1 | 0.02 |
| Q-B-L15-1800 | Soil | 7.7 | 62.8 | 0.63 | 150.2 | 0.085 | 3 | 1.79 | 0.015 | 0.05 | 0.1 | 4.3 | 0.02 | <0.02 | 143 | 0.1 | <0.02 | 5.4 | 0.84 | <0.1 | 0.04 |
| REP Q-B-L15-1800 | QC | 7.5 | 62.0 | 0.63 | 148.9 | 0.080 | 2 | 1.80 | 0.012 | 0.05 | 0.1 | 4.1 | <0.02 | <0.02 | 138 | <0.1 | <0.02 | 5.1 | 0.81 | <0.1 | 0.04 |
| Q-B-ORTH-800 | Soil | 6.0 | 49.8 | 0.42 | 165.2 | 0.051 | 2 | 1.59 | 0.007 | 0.06 | 0.1 | 3.1 | 0.04 | <0.02 | 25 | 0.1 | 0.04 | 4.6 | 1.03 | <0.1 | 0.03 |
| REP Q-B-ORTH-800 | QC | 6.3 | 49.6 | 0.43 | 165.7 | 0.052 | 3 | 1.62 | 0.008 | 0.06 | 0.1 | 3.2 | 0.04 | <0.02 | 25 | 0.2 | <0.02 | 4.9 | 1.07 | <0.1 | 0.03 |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | |
| STD DS7 | Standard | 14.0 | 192.5 | 1.07 | 434.8 | 0.124 | 39 | 1.06 | 0.104 | 0.47 | 4.0 | 2.9 | 4.11 | 0.19 | 222 | 3.7 | 1.14 | 5.0 | 6.21 | <0.1 | 0.12 |
| STD DS7 | Standard | 11.5 | 186.9 | 1.02 | 401.9 | 0.109 | 37 | 0.96 | 0.089 | 0.46 | 3.8 | 2.4 | 4.10 | 0.19 | 196 | 3.3 | 1.11 | 4.6 | 6.05 | 0.1 | 0.12 |
| STD DS7 | Standard | 12.8 | 201.7 | 1.05 | 411.5 | 0.117 | 42 | 1.04 | 0.103 | 0.47 | 3.7 | 2.8 | 4.03 | 0.19 | 197 | 3.7 | 1.27 | 4.8 | 6.00 | 0.1 | 0.13 |
| STD DS7 | Standard | 13.7 | 195.9 | 1.03 | 403.9 | 0.119 | 39 | 1.04 | 0.096 | 0.46 | 3.8 | 2.7 | 4.18 | 0.18 | 216 | 3.8 | 1.19 | 4.9 | 6.34 | <0.1 | 0.12 |
| STD DS7 | Standard | 13.2 | 189.5 | 1.00 | 402.8 | 0.118 | 39 | 0.99 | 0.094 | 0.44 | 3.8 | 2.8 | 4.20 | 0.17 | 216 | 3.5 | 1.14 | 4.7 | 6.17 | 0.2 | 0.12 |
| STD DS7 | Standard | 14.3 | 210.2 | 1.08 | 425.0 | 0.130 | 43 | 1.09 | 0.100 | 0.47 | 4.0 | 2.8 | 4.34 | 0.20 | 259 | 3.3 | 1.43 | 5.3 | 6.83 | 0.1 | 0.11 |
| STD DS7 | Standard | 14.1 | 183.2 | 1.03 | 375.8 | 0.120 | 35 | 1.02 | 0.089 | 0.45 | 3.6 | 2.6 | 3.94 | 0.18 | 198 | 3.0 | 1.20 | 4.5 | 6.32 | <0.1 | 0.10 |
| STD DS7 | Standard | 14.6 | 201.0 | 1.12 | 398.0 | 0.130 | 39 | 1.09 | 0.090 | 0.48 | 3.7 | 2.9 | 4.05 | 0.19 | 222 | 3.5 | 1.36 | 4.8 | 6.87 | <0.1 | 0.12 |
| STD DS7 | Standard | 11.2 | 194.2 | 1.02 | 381.1 | 0.109 | 39 | 0.97 | 0.084 | 0.46 | 3.5 | 2.4 | 3.98 | 0.19 | 206 | 3.2 | 1.32 | 4.7 | 6.29 | 0.1 | 0.10 |
| STD DS7 Expected | | 11.7 | 179 | 1.05 | 410 | 0.124 | 38.6 | 0.959 | 0.089 | 0.44 | 3.4 | 2.5 | 4.19 | 0.19 | 200 | 3.5 | 1.08 | 4.6 | 6.36 | 0.1 | 0.11 |
| BLK | Blank | <0.5 | <0.5 | <0.01 | <0.5 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.1 | <0.02 | <0.02 | <5 | <0.1 | <0.02 | <0.1 | <0.02 | <0.1 | <0.02 |
| BLK | Blank | <0.5 | <0.5 | <0.01 | <0.5 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.1 | <0.02 | <0.02 | <5 | <0.1 | <0.02 | <0.1 | <0.02 | <0.1 | <0.02 |
| BLK | Blank | <0.5 | <0.5 | <0.01 | <0.5 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.1 | <0.02 | <0.02 | <5 | <0.1 | <0.02 | <0.1 | <0.02 | <0.1 | <0.02 |
| BLK | Blank | <0.5 | <0.5 | <0.01 | <0.5 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.1 | <0.02 | <0.02 | <5 | <0.1 | <0.02 | <0.1 | <0.02 | <0.1 | <0.02 |
| BLK | Blank | <0.5 | <0.5 | <0.01 | <0.5 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.1 | <0.02 | <0.02 | <5 | <0.1 | <0.02 | <0.1 | <0.02 | <0.1 | <0.02 |
| BLK | Blank | <0.5 | <0.5 | <0.01 | <0.5 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.1 | <0.02 | <0.02 | <5 | <0.1 | <0.02 | <0.1 | <0.02 | <0.1 | <0.02 |
| BLK | Blank | <0.5 | <0.5 | <0.01 | <0.5 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.1 | <0.02 | <0.02 | <5 | <0.1 | <0.02 | <0.1 | <0.02 | <0.1 | <0.02 |
| BLK | Blank | <0.5 | <0.5 | <0.01 | <0.5 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.1 | <0.02 | <0.02 | <5 | <0.1 | <0.02 | <0.1 | <0.02 | <0.1 | <0.02 |
| BLK | Blank | <0.5 | <0.5 | <0.01 | <0.5 | <0.001 | <1 | <0.01 | <0.001 | <0.01 | <0.1 | <0.1 | <0.02 | <0.02 | <5 | <0.1 | <0.02 | <0.1 | <0.02 | <0.1 | <0.02 |



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Project: non-given
 Report Date: July 22, 2010

Page: 2 of 2 Part 3

QUALITY CONTROL REPORT

VAN10002973.1

| | | 1F15 Nb ppm 0.02 | 1F15 Rb ppm 0.1 | 1F15 Sn ppm 0.1 | 1F15 Ta ppm 0.05 | 1F15 Zr ppm 0.1 | 1F15 Y ppm 0.01 | 1F15 Ce ppm 0.1 | 1F15 In ppm 0.02 | 1F15 Re ppb 1 | 1F15 Be ppm 0.1 | 1F15 Li ppm 0.1 | 1F15 Pd ppb 10 | 1F15 Pt ppb 2 |
|---------------------|----------|---------------------------|--------------------------|--------------------------|---------------------------|--------------------------|--------------------------|--------------------------|---------------------------|------------------------|--------------------------|--------------------------|-------------------------|------------------------|
| Q-B-L15-1800 | Soil | 0.50 | 6.8 | 0.3 | <0.05 | 2.4 | 3.26 | 14.6 | 0.02 | <1 | 0.4 | 12.5 | <10 | <2 |
| REP Q-B-L15-1800 | QC | 0.44 | 6.4 | 0.3 | <0.05 | 2.5 | 3.16 | 14.1 | <0.02 | <1 | 0.3 | 12.5 | <10 | <2 |
| Q-B-ORTH-800 | Soil | 0.38 | 8.0 | 0.3 | <0.05 | 1.5 | 3.06 | 11.4 | <0.02 | <1 | 0.4 | 11.1 | <10 | <2 |
| REP Q-B-ORTH-800 | QC | 0.42 | 8.7 | 0.3 | <0.05 | 1.7 | 3.20 | 12.2 | <0.02 | <1 | 0.4 | 11.7 | <10 | <2 |
| Reference Materials | | | | | | | | | | | | | | |
| STD DS7 | Standard | 0.81 | 36.4 | 4.9 | <0.05 | 6.0 | 6.11 | 37.3 | 1.56 | 6 | 1.7 | 29.4 | 57 | 43 |
| STD DS7 | Standard | 0.57 | 34.9 | 4.8 | <0.05 | 5.5 | 5.12 | 32.1 | 1.56 | 3 | 1.6 | 28.2 | 77 | 40 |
| STD DS7 | Standard | 0.63 | 37.0 | 5.0 | <0.05 | 5.9 | 5.66 | 35.0 | 1.57 | 4 | 1.5 | 29.2 | 63 | 38 |
| STD DS7 | Standard | 0.75 | 35.7 | 4.8 | <0.05 | 5.5 | 6.13 | 35.8 | 1.54 | 4 | 1.7 | 28.9 | 50 | 41 |
| STD DS7 | Standard | 0.64 | 35.2 | 4.7 | <0.05 | 5.4 | 5.94 | 34.3 | 1.50 | 5 | 1.5 | 28.7 | 71 | 39 |
| STD DS7 | Standard | 0.72 | 39.6 | 4.9 | <0.05 | 6.6 | 6.87 | 41.0 | 1.64 | 5 | 1.6 | 31.9 | 50 | 40 |
| STD DS7 | Standard | 0.57 | 35.6 | 4.8 | <0.05 | 5.2 | 6.02 | 38.3 | 1.53 | 3 | 1.7 | 27.4 | 55 | 36 |
| STD DS7 | Standard | 0.58 | 37.8 | 5.4 | <0.05 | 5.8 | 6.60 | 41.3 | 1.65 | 4 | 2.1 | 28.9 | 69 | 37 |
| STD DS7 | Standard | 0.45 | 35.4 | 4.5 | <0.05 | 5.5 | 5.30 | 33.5 | 1.56 | 4 | 1.4 | 27.2 | 64 | 41 |
| STD DS7 Expected | | 0.71 | 35.8 | 4.61 | | 5.4 | 5.18 | 36 | 1.57 | 4 | 1.6 | 29.3 | 58 | 37 |
| BLK | Blank | <0.02 | <0.1 | <0.1 | <0.05 | <0.1 | <0.01 | <0.1 | <0.02 | <1 | <0.1 | <0.1 | <10 | <2 |
| BLK | Blank | <0.02 | <0.1 | <0.1 | <0.05 | <0.1 | <0.01 | <0.1 | <0.02 | <1 | <0.1 | <0.1 | <10 | <2 |
| BLK | Blank | <0.02 | <0.1 | <0.1 | <0.05 | <0.1 | <0.01 | <0.1 | <0.02 | <1 | <0.1 | <0.1 | <10 | <2 |
| BLK | Blank | <0.02 | <0.1 | <0.1 | <0.05 | <0.1 | <0.01 | <0.1 | <0.02 | <1 | <0.1 | <0.1 | <10 | <2 |
| BLK | Blank | <0.02 | <0.1 | <0.1 | <0.05 | <0.1 | <0.01 | <0.1 | <0.02 | <1 | <0.1 | <0.1 | <10 | <2 |
| BLK | Blank | <0.02 | <0.1 | <0.1 | <0.05 | <0.1 | <0.01 | <0.1 | <0.02 | <1 | <0.1 | <0.1 | <10 | <2 |
| BLK | Blank | <0.02 | <0.1 | <0.1 | <0.05 | <0.1 | <0.01 | <0.1 | <0.02 | <1 | <0.1 | <0.1 | <10 | <2 |
| BLK | Blank | <0.02 | <0.1 | <0.1 | <0.05 | <0.1 | <0.01 | <0.1 | <0.02 | <1 | <0.1 | <0.1 | <10 | <2 |
| BLK | Blank | <0.02 | <0.1 | <0.1 | <0.05 | <0.1 | <0.01 | <0.1 | <0.02 | <1 | <0.1 | <0.1 | <10 | <2 |



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Client: Serengeti Resources
 #500 - 602 West Hastings Street
 Vancouver BC V6B 1P2 Canada

Submitted By: Dave Moore
 Receiving Lab: Canada-Vancouver
 Received: June 29, 2010
 Report Date: July 19, 2010
 Page: 1 of 13

CERTIFICATE OF ANALYSIS

VAN10002972.1

CLIENT JOB INFORMATION

Project: non-given
 Shipment ID:
 P.O. Number
 Number of Samples: 338

SAMPLE DISPOSAL

RTRN-PLP Return
 RTRN-RJT Return

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|---|--------------|---------------|-----|
| SS80 | 300 | Dry at 60C sieve 100g to -80 mesh | | | VAN |
| Dry at 60C | 300 | Dry at 60C | | | VAN |
| RJSV | 300 | Saving all or part of Soil Reject | | | VAN |
| 1F05 | 224 | 1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis | 15 | Completed | VAN |

ADDITIONAL COMMENTS

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

Invoice To: Serengeti Resources
 #500 - 602 West Hastings Street
 Vancouver BC V6B 1P2
 Canada

CC: Dustin Perry
 H. Samson



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



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 Vancouver BC V6B 1P2 Canada

Project: non-given
 Report Date: July 19, 2010

Page: 2 of 13 Part 1

CERTIFICATE OF ANALYSIS

VAN10002972.1

| Method | Analyte | 1F15 Mo | 1F15 Cu | 1F15 Pb | 1F15 Zn | 1F15 Ag | 1F15 Ni | 1F15 Co | 1F15 Mn | 1F15 Fe | 1F15 As | 1F15 U | 1F15 Au | 1F15 Th | 1F15 Sr | 1F15 Cd | 1F15 Sb | 1F15 Bi | 1F15 V | 1F15 Ca | 1F15 P |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|---------|---------|---------|---------|---------|---------|--------|---------|--------|
| Unit | MDL | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| | | 0.01 | 0.01 | 0.01 | 0.1 | 2 | 0.1 | 0.1 | 1 | 0.01 | 0.1 | 0.1 | 0.2 | 0.1 | 0.5 | 0.01 | 0.02 | 0.02 | 2 | 0.01 | 0.001 |
| Q-A-L10-0 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-L10-100 | Soil | 1.53 | 24.52 | 11.69 | 87.5 | 406 | 24.0 | 10.6 | 4240 | 0.57 | 0.7 | 0.1 | <0.2 | <0.1 | 93.3 | 2.24 | 0.17 | 0.08 | 13 | 1.04 | 0.116 |
| Q-A-L10-200 | Soil | 2.03 | 10.43 | 12.69 | 99.3 | 176 | 11.6 | 6.4 | 8274 | 0.79 | 1.2 | 0.1 | 0.5 | <0.1 | 71.3 | 1.22 | 0.17 | 0.11 | 17 | 1.14 | 0.115 |
| Q-A-L10-300 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-L10-400 | Soil | 1.25 | 87.48 | 11.95 | 100.9 | 1025 | 51.9 | 35.5 | 3449 | 3.90 | 2.9 | 1.1 | 0.8 | 0.4 | 42.0 | 1.15 | 0.29 | 0.18 | 64 | 0.37 | 0.154 |
| Q-A-L10-500 | Soil | 1.67 | 9.88 | 7.45 | 30.7 | 105 | 7.2 | 2.7 | 512 | 0.57 | 0.7 | 0.1 | <0.2 | <0.1 | 48.0 | 0.48 | 0.15 | 0.06 | 16 | 0.68 | 0.089 |
| Q-A-L10-550 | Soil | 3.36 | 13.86 | 7.42 | 125.0 | 311 | 11.0 | 5.7 | 1256 | 0.16 | 0.3 | <0.1 | <0.2 | <0.1 | 116.5 | 1.73 | 0.09 | 0.03 | 3 | 1.69 | 0.156 |
| Q-A-L10-600 | Soil | 1.35 | 12.45 | 8.22 | 69.6 | 195 | 12.7 | 6.0 | 1007 | 0.98 | 1.1 | 0.2 | <0.2 | 0.2 | 45.3 | 0.61 | 0.18 | 0.10 | 26 | 0.73 | 0.068 |
| Q-A-L10-650 | Soil | 1.79 | 16.04 | 9.36 | 333.7 | 487 | 11.7 | 5.5 | 5481 | 0.24 | 0.5 | <0.1 | <0.2 | <0.1 | 98.4 | 3.59 | 0.11 | 0.05 | 4 | 1.76 | 0.129 |
| Q-A-L10-700 | Soil | 1.35 | 10.18 | 6.43 | 20.7 | 331 | 7.2 | 3.7 | 543 | 0.67 | 0.9 | 0.1 | <0.2 | 0.1 | 36.6 | 0.35 | 0.16 | 0.07 | 21 | 0.51 | 0.060 |
| Q-A-L10-750 | Soil | 1.82 | 9.40 | 7.00 | 68.3 | 92 | 5.3 | 3.3 | 345 | 0.59 | 0.6 | 0.1 | 1.3 | 0.3 | 49.2 | 0.85 | 0.12 | 0.07 | 19 | 0.68 | 0.063 |
| Q-A-L10-800 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| Q-A-L10-850 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| Q-A-L10-900 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| Q-A-L10-950 | Soil | 1.22 | 36.30 | 6.61 | 67.1 | 276 | 17.8 | 6.6 | 971 | 1.46 | 5.0 | 0.6 | 0.8 | 0.2 | 199.7 | 1.27 | 0.28 | 0.06 | 29 | 2.92 | 0.143 |
| Q-A-L10-1000 | Soil | 0.60 | 148.9 | 9.08 | 75.1 | 452 | 71.3 | 17.6 | 1284 | 4.03 | 11.9 | 0.9 | 2.6 | 1.4 | 87.7 | 0.92 | 0.62 | 0.13 | 89 | 1.53 | 0.120 |
| Q-A-L10-1050 | Soil | 0.87 | 58.54 | 5.91 | 44.3 | 163 | 31.9 | 9.1 | 1824 | 1.91 | 7.2 | 0.9 | 0.7 | 0.2 | 126.7 | 0.62 | 0.42 | 0.06 | 53 | 2.45 | 0.155 |
| Q-A-L10-1100 | Soil | 2.14 | 38.15 | 13.17 | 35.0 | 835 | 32.3 | 6.7 | 1704 | 1.13 | 1.4 | 0.2 | 4.9 | 0.2 | 125.5 | 1.07 | 0.26 | 0.09 | 19 | 2.14 | 0.282 |
| Q-A-L10-1150 | Soil | 3.59 | 12.79 | 14.57 | 54.2 | 413 | 20.5 | 7.2 | 1687 | 1.18 | 1.1 | 0.1 | 2.1 | 0.1 | 100.8 | 1.75 | 0.25 | 0.10 | 33 | 1.62 | 0.150 |
| Q-A-L10-1200 | Soil | 2.16 | 10.76 | 11.65 | 36.2 | 259 | 14.0 | 6.6 | 1543 | 1.86 | 1.8 | 0.2 | 0.9 | 0.5 | 44.6 | 0.92 | 0.32 | 0.11 | 57 | 0.75 | 0.079 |
| Q-A-L10-1250 | Soil | 2.08 | 17.25 | 7.47 | 73.1 | 128 | 12.5 | 4.4 | 1031 | 0.83 | 1.4 | 0.1 | 0.3 | 0.2 | 86.1 | 1.18 | 0.18 | 0.05 | 22 | 1.58 | 0.137 |
| Q-A-L10-1300 | Soil | 2.26 | 16.07 | 15.63 | 103.8 | 202 | 14.2 | 4.5 | 7349 | 0.60 | 0.7 | <0.1 | 7.5 | <0.1 | 95.1 | 3.71 | 0.21 | 0.09 | 16 | 2.15 | 0.184 |
| Q-A-L10-1350 | Soil | 1.62 | 14.87 | 17.07 | 113.1 | 212 | 9.0 | 5.9 | 4367 | 0.85 | 1.0 | 0.1 | 1.4 | <0.1 | 77.2 | 1.71 | 0.20 | 0.11 | 23 | 1.34 | 0.168 |
| Q-A-L10-1400 | Soil | 2.95 | 12.84 | 15.02 | 106.1 | 130 | 9.2 | 7.7 | 3582 | 1.33 | 1.5 | 0.2 | 49.7 | 0.1 | 56.5 | 1.11 | 0.24 | 0.13 | 37 | 1.09 | 0.106 |
| Q-A-L10-1450 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| Q-A-L10-1500 | Soil | 1.93 | 19.23 | 13.30 | 235.5 | 245 | 21.6 | 10.5 | >10000 | 1.44 | 1.7 | 0.2 | 0.6 | <0.1 | 70.2 | 1.24 | 0.30 | 0.12 | 39 | 1.02 | 0.151 |
| Q-A-L10-1600 | Soil | 0.45 | 53.25 | 3.65 | 37.8 | 151 | 12.9 | 4.0 | 170 | 0.65 | 1.8 | 1.5 | 1.7 | 0.1 | 185.7 | 0.72 | 0.25 | 0.04 | 34 | 4.72 | 0.123 |
| Q-A-L10-1700 | Soil | 1.19 | 18.20 | 13.22 | 103.4 | 29 | 75.8 | 20.0 | 1845 | 3.01 | 8.0 | 0.5 | <0.2 | 0.5 | 54.5 | 0.29 | 0.73 | 0.09 | 64 | 1.16 | 0.085 |
| Q-A-L10-1800 | Soil | 1.58 | 22.10 | 14.37 | 379.5 | 108 | 7.1 | 7.6 | 4000 | 0.70 | 1.4 | 0.1 | 0.7 | 0.1 | 71.0 | 2.43 | 0.33 | 0.08 | 16 | 2.18 | 0.128 |
| Q-A-L10-1900 | Soil | 1.73 | 13.34 | 9.71 | 140.5 | 86 | 11.3 | 6.3 | 1770 | 1.56 | 3.1 | 0.3 | <0.2 | 0.2 | 64.9 | 0.65 | 0.39 | 0.09 | 43 | 1.02 | 0.083 |

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



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Project: non-given
Report Date: July 19, 2010

Page: 2 of 13 Part 2

CERTIFICATE OF ANALYSIS

VAN10002972.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|--------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Sc | Tl | S | Hg | Se | Te | Ga | Cs | Ge | Hf |
| Unit | | ppm | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | % | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| MDL | | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.1 | 0.02 |
| Q-A-L10-0 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-L10-100 | Soil | 4.8 | 10.7 | 0.08 | 460.5 | 0.014 | 3 | 0.42 | 0.006 | 0.13 | <0.1 | 0.6 | 0.10 | 0.07 | 142 | 0.4 | 0.03 | 1.3 | 0.64 | <0.1 | <0.02 |
| Q-A-L10-200 | Soil | 3.9 | 13.7 | 0.15 | 843.3 | 0.012 | 3 | 0.45 | 0.005 | 0.09 | <0.1 | 0.4 | 0.07 | 0.06 | 108 | 0.3 | 0.04 | 1.7 | 0.30 | <0.1 | <0.02 |
| Q-A-L10-300 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-L10-400 | Soil | 18.3 | 73.5 | 0.63 | 382.7 | 0.034 | 1 | 3.41 | 0.014 | 0.11 | <0.1 | 4.1 | 0.12 | 0.04 | 101 | 0.5 | 0.03 | 10.5 | 1.43 | <0.1 | <0.02 |
| Q-A-L10-500 | Soil | 3.9 | 12.4 | 0.10 | 173.4 | 0.022 | 4 | 0.30 | 0.005 | 0.09 | <0.1 | 1.1 | 0.03 | 0.06 | 79 | 0.3 | 0.03 | 1.3 | 0.36 | <0.1 | <0.02 |
| Q-A-L10-550 | Soil | 1.4 | 4.0 | 0.22 | 260.7 | 0.007 | 8 | 0.11 | 0.004 | 0.13 | <0.1 | 0.6 | 0.02 | 0.15 | 153 | 0.3 | 0.04 | 0.4 | 0.14 | <0.1 | <0.02 |
| Q-A-L10-600 | Soil | 6.7 | 19.7 | 0.29 | 176.9 | 0.033 | 2 | 0.69 | 0.007 | 0.10 | <0.1 | 1.4 | 0.04 | 0.05 | 75 | 0.2 | 0.03 | 2.6 | 0.31 | <0.1 | <0.02 |
| Q-A-L10-650 | Soil | 2.4 | 4.8 | 0.15 | 508.2 | 0.009 | 6 | 0.14 | 0.005 | 0.10 | <0.1 | 0.8 | 0.08 | 0.14 | 137 | 0.4 | 0.04 | 0.6 | 0.29 | <0.1 | <0.02 |
| Q-A-L10-700 | Soil | 4.6 | 14.7 | 0.13 | 154.7 | 0.025 | 2 | 0.43 | 0.006 | 0.06 | <0.1 | 1.1 | 0.03 | 0.05 | 75 | 0.2 | 0.03 | 2.0 | 0.23 | <0.1 | <0.02 |
| Q-A-L10-750 | Soil | 3.5 | 12.1 | 0.09 | 175.1 | 0.031 | 3 | 0.26 | 0.006 | 0.08 | 0.1 | 1.0 | 0.02 | 0.06 | 63 | 0.3 | 0.03 | 1.4 | 0.27 | <0.1 | <0.02 |
| Q-A-L10-800 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| Q-A-L10-850 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| Q-A-L10-900 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| Q-A-L10-950 | Soil | 5.1 | 20.9 | 0.53 | 350.8 | 0.019 | 20 | 0.68 | 0.009 | 0.15 | <0.1 | 2.3 | 0.02 | 0.16 | 235 | 0.9 | 0.06 | 1.9 | 0.23 | <0.1 | 0.05 |
| Q-A-L10-1000 | Soil | 15.9 | 79.5 | 1.21 | 730.7 | 0.057 | 6 | 2.86 | 0.015 | 0.14 | 0.1 | 12.4 | 0.07 | 0.06 | 173 | 1.0 | 0.03 | 6.6 | 0.97 | <0.1 | 0.10 |
| Q-A-L10-1050 | Soil | 8.3 | 33.5 | 0.66 | 657.8 | 0.023 | 13 | 1.07 | 0.007 | 0.11 | <0.1 | 3.6 | 0.04 | 0.15 | 170 | 0.6 | 0.04 | 2.6 | 0.33 | <0.1 | 0.03 |
| Q-A-L10-1100 | Soil | 7.8 | 23.7 | 0.48 | 740.2 | 0.020 | 15 | 0.83 | 0.007 | 0.13 | <0.1 | 2.2 | 0.05 | 0.17 | 179 | 0.7 | <0.02 | 2.1 | 0.42 | <0.1 | 0.02 |
| Q-A-L10-1150 | Soil | 3.2 | 23.2 | 0.30 | 488.1 | 0.036 | 10 | 0.42 | 0.011 | 0.12 | 0.2 | 0.9 | 0.03 | 0.10 | 146 | 0.5 | 0.03 | 1.8 | 0.41 | <0.1 | <0.02 |
| Q-A-L10-1200 | Soil | 3.5 | 39.6 | 0.20 | 267.9 | 0.055 | 6 | 0.43 | 0.008 | 0.08 | 0.2 | 1.2 | 0.03 | 0.05 | 86 | 0.3 | <0.02 | 2.3 | 0.25 | <0.1 | 0.03 |
| Q-A-L10-1250 | Soil | 1.9 | 16.5 | 0.40 | 350.1 | 0.026 | 15 | 0.41 | 0.006 | 0.09 | 0.1 | 1.0 | <0.02 | 0.12 | 107 | 0.6 | 0.02 | 1.1 | 0.32 | <0.1 | 0.02 |
| Q-A-L10-1300 | Soil | 1.6 | 11.2 | 0.30 | 988.6 | 0.020 | 20 | 0.24 | 0.006 | 0.14 | 0.2 | 0.6 | 0.06 | 0.12 | 129 | 0.6 | <0.02 | 1.3 | 0.26 | <0.1 | <0.02 |
| Q-A-L10-1350 | Soil | 2.1 | 17.3 | 0.26 | 630.4 | 0.030 | 15 | 0.32 | 0.008 | 0.13 | <0.1 | 0.7 | 0.04 | 0.11 | 92 | 0.4 | <0.02 | 1.6 | 0.27 | <0.1 | <0.02 |
| Q-A-L10-1400 | Soil | 3.1 | 26.0 | 0.20 | 581.9 | 0.036 | 7 | 0.46 | 0.012 | 0.07 | 0.2 | 0.8 | 0.04 | 0.08 | 93 | 0.3 | <0.02 | 2.1 | 0.30 | <0.1 | <0.02 |
| Q-A-L10-1450 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| Q-A-L10-1500 | Soil | 4.4 | 27.3 | 0.27 | 986.5 | 0.026 | 6 | 0.68 | 0.011 | 0.08 | 0.2 | 0.6 | 0.13 | 0.07 | 121 | 0.3 | <0.02 | 2.6 | 0.57 | <0.1 | <0.02 |
| Q-A-L10-1600 | Soil | 3.9 | 21.2 | 0.74 | 830.6 | 0.011 | 17 | 0.64 | 0.015 | 0.04 | <0.1 | 1.8 | 0.02 | 0.24 | 258 | 1.6 | 0.06 | 1.3 | 0.14 | <0.1 | 0.05 |
| Q-A-L10-1700 | Soil | 3.9 | 71.4 | 1.57 | 462.7 | 0.064 | 11 | 1.42 | 0.007 | 0.11 | 0.2 | 2.9 | <0.02 | 0.06 | 77 | 0.2 | <0.02 | 5.1 | 1.93 | <0.1 | 0.05 |
| Q-A-L10-1800 | Soil | 1.9 | 11.3 | 0.19 | 1146 | 0.017 | 16 | 0.26 | 0.005 | 0.11 | 0.7 | 0.7 | 0.03 | 0.14 | 164 | 0.4 | 0.02 | 1.1 | 0.27 | <0.1 | <0.02 |
| Q-A-L10-1900 | Soil | 3.9 | 20.2 | 0.23 | 355.8 | 0.050 | 8 | 0.45 | 0.009 | 0.08 | 0.3 | 1.3 | <0.02 | 0.06 | 61 | 0.4 | <0.02 | 2.3 | 0.43 | <0.1 | <0.02 |

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Project: non-given
 Report Date: July 19, 2010

Page: 2 of 13 Part 3

CERTIFICATE OF ANALYSIS

VAN10002972.1

| Method | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|--------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----|
| Analyte | Nb | Rb | Sn | Ta | Zr | Y | Ce | In | Re | Be | Li | Pd | Pt | |
| Unit | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppb | ppm | ppb | ppb | ppb | |
| MDL | 0.02 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 | 0.1 | 0.02 | 1 | 0.1 | 0.1 | 10 | 2 | |
| Q-A-L10-0 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | |
| Q-A-L10-100 | Soil | 0.16 | 7.6 | 0.3 | <0.05 | 0.1 | 1.71 | 7.4 | <0.02 | <1 | 0.2 | 1.5 | <10 | <2 |
| Q-A-L10-200 | Soil | 0.11 | 3.8 | 0.3 | <0.05 | 0.1 | 1.32 | 6.3 | <0.02 | <1 | 0.2 | 1.9 | <10 | <2 |
| Q-A-L10-300 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | |
| Q-A-L10-400 | Soil | 0.73 | 18.6 | 0.7 | <0.05 | 0.5 | 10.01 | 38.7 | 0.04 | <1 | 1.7 | 11.8 | <10 | <2 |
| Q-A-L10-500 | Soil | 0.22 | 2.8 | 0.2 | <0.05 | 0.2 | 1.22 | 6.4 | <0.02 | <1 | <0.1 | 1.2 | <10 | <2 |
| Q-A-L10-550 | Soil | 0.07 | 2.0 | 0.1 | <0.05 | 0.3 | 0.70 | 1.9 | <0.02 | <1 | <0.1 | 0.5 | <10 | <2 |
| Q-A-L10-600 | Soil | 0.51 | 8.7 | 0.3 | <0.05 | 0.5 | 2.39 | 11.7 | <0.02 | <1 | 0.2 | 5.0 | <10 | <2 |
| Q-A-L10-650 | Soil | 0.09 | 2.9 | 0.1 | <0.05 | 0.4 | 1.20 | 5.8 | <0.02 | <1 | <0.1 | 0.4 | <10 | <2 |
| Q-A-L10-700 | Soil | 0.25 | 3.1 | 0.3 | <0.05 | 0.4 | 1.36 | 6.9 | <0.02 | <1 | 0.1 | 1.5 | <10 | <2 |
| Q-A-L10-750 | Soil | 0.26 | 3.6 | 0.2 | <0.05 | 0.4 | 0.97 | 5.5 | <0.02 | <1 | <0.1 | 1.1 | <10 | <2 |
| Q-A-L10-800 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | |
| Q-A-L10-850 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | |
| Q-A-L10-900 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | |
| Q-A-L10-950 | Soil | 0.35 | 4.4 | 0.2 | <0.05 | 2.2 | 6.43 | 5.6 | <0.02 | <1 | 0.2 | 3.1 | <10 | <2 |
| Q-A-L10-1000 | Soil | 0.96 | 12.3 | 0.5 | <0.05 | 4.2 | 18.87 | 20.8 | 0.04 | <1 | 0.8 | 14.2 | <10 | <2 |
| Q-A-L10-1050 | Soil | 0.46 | 4.9 | 0.2 | <0.05 | 1.5 | 9.76 | 9.4 | <0.02 | <1 | 0.3 | 5.7 | <10 | <2 |
| Q-A-L10-1100 | Soil | 0.39 | 4.5 | 0.3 | <0.05 | 1.1 | 7.21 | 12.6 | 0.03 | <1 | 0.2 | 2.5 | <10 | <2 |
| Q-A-L10-1150 | Soil | 0.42 | 4.8 | 0.3 | <0.05 | 0.5 | 1.39 | 5.5 | <0.02 | <1 | 0.2 | 3.1 | <10 | <2 |
| Q-A-L10-1200 | Soil | 0.50 | 4.1 | 0.3 | <0.05 | 1.0 | 1.28 | 5.9 | <0.02 | <1 | 0.1 | 2.7 | <10 | <2 |
| Q-A-L10-1250 | Soil | 0.29 | 3.1 | 0.2 | <0.05 | 0.8 | 0.89 | 3.5 | <0.02 | <1 | <0.1 | 3.0 | <10 | <2 |
| Q-A-L10-1300 | Soil | 0.22 | 3.1 | 0.3 | <0.05 | 0.3 | 0.69 | 3.0 | <0.02 | <1 | <0.1 | 1.4 | <10 | <2 |
| Q-A-L10-1350 | Soil | 0.26 | 3.2 | 0.3 | <0.05 | 0.3 | 0.87 | 3.8 | <0.02 | <1 | <0.1 | 1.8 | <10 | <2 |
| Q-A-L10-1400 | Soil | 0.44 | 3.4 | 0.3 | <0.05 | 0.5 | 0.99 | 5.5 | <0.02 | <1 | 0.2 | 2.7 | <10 | <2 |
| Q-A-L10-1450 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | |
| Q-A-L10-1500 | Soil | 0.29 | 4.7 | 0.4 | <0.05 | 0.3 | 1.66 | 8.8 | <0.02 | <1 | 0.2 | 3.1 | <10 | <2 |
| Q-A-L10-1600 | Soil | 0.29 | 1.6 | 0.1 | <0.05 | 2.7 | 4.66 | 5.3 | <0.02 | <1 | 0.2 | 3.2 | <10 | 3 |
| Q-A-L10-1700 | Soil | 0.71 | 7.4 | 0.4 | <0.05 | 2.5 | 1.44 | 7.9 | 0.02 | <1 | 0.4 | 29.5 | <10 | 5 |
| Q-A-L10-1800 | Soil | 0.24 | 3.8 | 0.2 | <0.05 | 0.6 | 0.79 | 3.8 | <0.02 | <1 | 0.2 | 1.2 | <10 | <2 |
| Q-A-L10-1900 | Soil | 0.59 | 5.9 | 0.3 | <0.05 | 1.0 | 1.29 | 6.8 | <0.02 | <1 | <0.1 | 3.4 | <10 | <2 |

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Project: non-given
Report Date: July 19, 2010

Page: 3 of 13 Part 1

CERTIFICATE OF ANALYSIS

VAN10002972.1

| Method | Analyte | 1F15 Mo | 1F15 Cu | 1F15 Pb | 1F15 Zn | 1F15 Ag | 1F15 Ni | 1F15 Co | 1F15 Mn | 1F15 Fe | 1F15 As | 1F15 U | 1F15 Au | 1F15 Th | 1F15 Sr | 1F15 Cd | 1F15 Sb | 1F15 Bi | 1F15 V | 1F15 Ca | 1F15 P |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|---------|---------|---------|---------|---------|---------|--------|---------|--------|
| Unit | MDL | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| Q-A-L10-2000 | Soil | 1.74 | 19.66 | 10.13 | 44.1 | 72 | 15.2 | 11.5 | 1237 | 2.35 | 3.5 | 0.3 | 1.8 | 0.3 | 40.7 | 0.34 | 0.08 | 0.08 | 72 | 0.46 | 0.082 |
| Q-A-L15-0 | Soil | 0.95 | 13.34 | 6.01 | 98.9 | 104 | 8.4 | 4.2 | 840 | 0.70 | 1.3 | 0.1 | <0.2 | 0.2 | 107.7 | 0.79 | 0.15 | 0.04 | 18 | 1.53 | 0.135 |
| Q-A-L15-100 | Soil | 0.98 | 11.85 | 7.72 | 69.3 | 329 | 14.5 | 6.0 | 673 | 1.34 | 1.9 | 0.2 | 0.6 | 0.2 | 40.4 | 0.39 | 0.25 | 0.09 | 31 | 0.60 | 0.071 |
| Q-A-L15-200 | Soil | 2.04 | 12.36 | 8.43 | 164.5 | 303 | 8.5 | 3.9 | 2592 | 0.45 | 0.5 | 0.1 | 0.5 | <0.1 | 114.2 | 1.01 | 0.15 | 0.07 | 13 | 1.99 | 0.118 |
| Q-A-L15-300 | Soil | 2.06 | 10.01 | 8.69 | 63.3 | 383 | 5.9 | 4.1 | 819 | 0.83 | 0.8 | 0.1 | 0.4 | 0.3 | 50.8 | 0.93 | 0.21 | 0.06 | 26 | 0.65 | 0.087 |
| Q-A-L15-400 | Soil | 1.35 | 7.81 | 10.30 | 39.7 | 101 | 7.5 | 4.0 | 204 | 0.91 | 0.8 | 0.2 | 0.5 | 0.4 | 32.5 | 0.55 | 0.20 | 0.11 | 30 | 0.36 | 0.065 |
| Q-A-L15-500 | Soil | 1.10 | 15.24 | 8.17 | 86.1 | 373 | 13.8 | 6.5 | 826 | 1.40 | 2.6 | 0.2 | 0.4 | 0.3 | 54.4 | 0.60 | 0.30 | 0.08 | 40 | 0.87 | 0.099 |
| Q-A-L15-600 | Soil | 1.30 | 19.80 | 9.52 | 231.1 | 351 | 14.9 | 8.5 | 4300 | 0.97 | 1.1 | 0.1 | 6.0 | <0.1 | 141.1 | 2.64 | 0.20 | 0.10 | 25 | 2.15 | 0.105 |
| Q-A-L15-700 | Soil | 1.22 | 69.94 | 8.72 | 102.1 | 623 | 53.8 | 12.5 | 1062 | 2.23 | 3.3 | 0.9 | 1.1 | <0.1 | 87.1 | 1.62 | 0.48 | 0.10 | 40 | 1.21 | 0.201 |
| Q-A-L15-800 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-L15-900 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| Q-A-L15-1000 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-L15-1100 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-L15-1200 | Soil | 1.30 | 14.59 | 10.76 | 199.3 | 131 | 13.8 | 6.0 | 2142 | 1.27 | 2.0 | 0.2 | 1.7 | 0.3 | 57.7 | 1.10 | 0.27 | 0.08 | 34 | 1.06 | 0.091 |
| Q-A-L15-1300 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-L15-1400 | Soil | 1.35 | 16.28 | 10.33 | 73.7 | 182 | 12.7 | 7.7 | 2392 | 1.35 | 1.7 | 0.2 | 0.9 | 0.1 | 67.3 | 0.78 | 0.26 | 0.08 | 36 | 1.40 | 0.112 |
| Q-A-L15-1500 | Soil | 1.61 | 25.58 | 5.66 | 49.1 | 109 | 7.9 | 5.1 | 523 | 0.79 | 1.9 | 0.1 | <0.2 | <0.1 | 139.5 | 1.24 | 0.17 | 0.04 | 22 | 2.64 | 0.147 |
| Q-A-L15-1600 | Soil | 0.89 | 83.14 | 6.93 | 52.3 | 260 | 31.2 | 6.2 | 214 | 1.38 | 1.6 | 1.2 | 0.9 | 0.2 | 124.9 | 0.22 | 0.64 | 0.08 | 31 | 1.84 | 0.214 |
| Q-A-L15-1700 | Soil | 0.93 | 15.14 | 8.43 | 37.1 | 70 | 9.1 | 4.0 | 492 | 1.90 | 2.7 | 0.3 | 0.8 | 0.5 | 46.7 | 0.29 | 0.47 | 0.08 | 57 | 0.71 | 0.062 |
| Q-A-L15-1800 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-L15-1900 | Soil | 1.22 | 15.84 | 11.79 | 55.5 | 215 | 10.3 | 8.2 | 1671 | 1.99 | 3.5 | 0.3 | <0.2 | 0.3 | 60.0 | 0.36 | 0.47 | 0.10 | 57 | 0.93 | 0.066 |
| Q-A-L15-2000 | Soil | 1.52 | 9.69 | 5.67 | 27.7 | 99 | 4.8 | 2.1 | 211 | 0.51 | 0.9 | <0.1 | <0.2 | 0.2 | 52.4 | 0.36 | 0.13 | 0.03 | 15 | 0.92 | 0.082 |
| Q-A-L20-0 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-L20-100 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-L20-200 | Soil | 1.14 | 13.15 | 8.33 | 157.5 | 576 | 10.4 | 6.2 | 969 | 0.84 | 0.6 | 0.2 | 6.3 | 0.3 | 78.9 | 1.64 | 0.16 | 0.08 | 24 | 1.38 | 0.089 |
| Q-A-L20-300 | Soil | 1.23 | 6.97 | 7.71 | 101.4 | 521 | 4.4 | 5.1 | 666 | 0.37 | 0.3 | <0.1 | 3.1 | <0.1 | 51.1 | 2.48 | 0.12 | 0.10 | 11 | 0.66 | 0.055 |
| Q-A-L20-400 | Soil | 1.42 | 20.24 | 7.86 | 140.2 | 1067 | 24.3 | 10.3 | 954 | 1.23 | 1.3 | 0.2 | 1.5 | 0.4 | 54.4 | 2.68 | 0.21 | 0.16 | 25 | 0.68 | 0.168 |
| Q-A-L20-500 | Soil | 1.40 | 84.46 | 12.27 | 175.6 | 1795 | 78.3 | 18.9 | 329 | 3.34 | 4.5 | 3.7 | 3.7 | 0.4 | 58.3 | 3.06 | 0.80 | 0.24 | 78 | 0.64 | 0.181 |
| Q-A-L20-600 | Soil | 1.46 | 130.6 | 13.55 | 191.2 | 1464 | 97.2 | 18.4 | 435 | 4.59 | 7.9 | 4.5 | 3.0 | 1.8 | 55.6 | 3.24 | 0.65 | 0.31 | 98 | 0.55 | 0.231 |
| Q-A-L20-700 | Soil | 0.86 | 75.52 | 9.01 | 136.3 | 782 | 46.4 | 29.1 | 835 | 2.55 | 1.9 | 1.3 | 1.9 | 0.2 | 84.9 | 1.81 | 0.44 | 0.14 | 53 | 0.80 | 0.175 |



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Project: non-given
 Report Date: July 19, 2010

Page: 3 of 13 Part 2

CERTIFICATE OF ANALYSIS

VAN10002972.1

| Method | Analyte | 1F15 La ppm 0.5 | 1F15 Cr ppm 0.5 | 1F15 Mg % 0.01 | 1F15 Ba ppm 0.5 | 1F15 Ti % 0.001 | 1F15 B ppm 1 | 1F15 Al % 0.01 | 1F15 Na % 0.001 | 1F15 K % 0.01 | 1F15 W ppm 0.1 | 1F15 Sc ppm 0.1 | 1F15 Ti ppm 0.02 | 1F15 S % 0.02 | 1F15 Hg ppb 5 | 1F15 Se ppm 0.1 | 1F15 Te ppm 0.02 | 1F15 Ga ppm 0.1 | 1F15 Cs ppm 0.02 | 1F15 Ge ppm 0.1 | 1F15 Hf ppm 0.02 |
|--------------|---------|--------------------------|--------------------------|-------------------------|--------------------------|--------------------------|-----------------------|-------------------------|--------------------------|------------------------|-------------------------|--------------------------|---------------------------|------------------------|------------------------|--------------------------|---------------------------|--------------------------|---------------------------|--------------------------|---------------------------|
| Q-A-L10-2000 | Soil | 4.8 | 41.7 | 0.36 | 247.8 | 0.076 | 6 | 0.80 | 0.008 | 0.06 | 0.2 | 1.9 | <0.02 | 0.04 | 67 | 0.3 | <0.02 | 3.2 | 0.44 | <0.1 | 0.04 |
| Q-A-L15-0 | Soil | 2.1 | 13.0 | 0.22 | 320.6 | 0.028 | 11 | 0.38 | 0.008 | 0.10 | <0.1 | 0.9 | <0.02 | 0.12 | 130 | 0.4 | <0.02 | 1.2 | 0.30 | <0.1 | <0.02 |
| Q-A-L15-100 | Soil | 6.6 | 26.4 | 0.29 | 166.9 | 0.042 | 3 | 0.73 | 0.011 | 0.08 | <0.1 | 1.0 | 0.05 | 0.05 | 64 | 0.3 | <0.02 | 2.6 | 0.23 | <0.1 | <0.02 |
| Q-A-L15-200 | Soil | 3.3 | 9.8 | 0.19 | 380.0 | 0.025 | 13 | 0.25 | 0.005 | 0.18 | <0.1 | 0.6 | 0.05 | 0.11 | 176 | 0.4 | <0.02 | 1.2 | 0.30 | <0.1 | <0.02 |
| Q-A-L15-300 | Soil | 3.6 | 16.5 | 0.15 | 182.6 | 0.039 | 7 | 0.28 | 0.007 | 0.08 | 0.1 | 1.0 | 0.04 | 0.06 | 89 | 0.4 | <0.02 | 1.5 | 0.40 | <0.1 | <0.02 |
| Q-A-L15-400 | Soil | 7.3 | 18.7 | 0.13 | 118.2 | 0.041 | 3 | 0.52 | 0.006 | 0.06 | 0.1 | 1.1 | 0.04 | 0.04 | 64 | 0.2 | <0.02 | 2.8 | 0.28 | <0.1 | <0.02 |
| Q-A-L15-500 | Soil | 5.4 | 27.6 | 0.25 | 200.6 | 0.057 | 5 | 0.74 | 0.006 | 0.07 | 0.2 | 1.3 | 0.02 | 0.05 | 85 | 0.5 | <0.02 | 2.5 | 0.51 | <0.1 | <0.02 |
| Q-A-L15-600 | Soil | 4.0 | 20.2 | 0.16 | 860.9 | 0.015 | 6 | 0.43 | 0.006 | 0.07 | <0.1 | 0.3 | 0.04 | 0.07 | 123 | 0.4 | 0.02 | 1.7 | 0.35 | <0.1 | <0.02 |
| Q-A-L15-700 | Soil | 22.0 | 39.9 | 0.46 | 311.0 | 0.028 | 6 | 2.05 | 0.010 | 0.14 | 0.1 | 1.7 | 0.06 | 0.12 | 126 | 0.7 | <0.02 | 4.4 | 0.70 | <0.1 | <0.02 |
| Q-A-L15-800 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-L15-900 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| Q-A-L15-1000 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-L15-1100 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-L15-1200 | Soil | 4.5 | 23.1 | 0.30 | 396.6 | 0.047 | 10 | 0.46 | 0.008 | 0.10 | 0.1 | 1.1 | 0.02 | 0.07 | 71 | 0.3 | <0.02 | 2.1 | 0.38 | <0.1 | <0.02 |
| Q-A-L15-1300 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-L15-1400 | Soil | 4.1 | 31.6 | 0.18 | 353.3 | 0.049 | 7 | 0.43 | 0.009 | 0.08 | 0.2 | 1.0 | 0.04 | 0.07 | 106 | 0.3 | <0.02 | 2.3 | 0.47 | <0.1 | <0.02 |
| Q-A-L15-1500 | Soil | 1.9 | 21.5 | 0.34 | 336.2 | 0.025 | 25 | 0.24 | 0.007 | 0.13 | <0.1 | 0.6 | <0.02 | 0.21 | 129 | 0.7 | 0.03 | 1.3 | 0.40 | <0.1 | <0.02 |
| Q-A-L15-1600 | Soil | 30.6 | 43.2 | 0.63 | 315.9 | 0.023 | 6 | 1.81 | 0.014 | 0.09 | 0.1 | 4.1 | 0.04 | 0.13 | 231 | 0.9 | <0.02 | 3.6 | 0.68 | <0.1 | 0.03 |
| Q-A-L15-1700 | Soil | 4.1 | 35.4 | 0.20 | 191.8 | 0.070 | 7 | 0.42 | 0.007 | 0.06 | 0.2 | 1.6 | <0.02 | 0.04 | 119 | 0.2 | <0.02 | 2.5 | 0.37 | <0.1 | 0.04 |
| Q-A-L15-1800 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-L15-1900 | Soil | 6.0 | 35.3 | 0.21 | 312.0 | 0.065 | 7 | 0.48 | 0.010 | 0.09 | 0.2 | 1.7 | <0.02 | 0.04 | 61 | 0.3 | <0.02 | 2.4 | 0.21 | <0.1 | <0.02 |
| Q-A-L15-2000 | Soil | 1.2 | 10.6 | 0.12 | 126.6 | 0.022 | 4 | 0.20 | 0.007 | 0.06 | 0.1 | 0.8 | <0.02 | 0.10 | 109 | 0.4 | <0.02 | 0.7 | 0.27 | <0.1 | 0.02 |
| Q-A-L20-0 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-L20-100 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-L20-200 | Soil | 5.0 | 13.9 | 0.25 | 225.4 | 0.052 | 11 | 0.50 | 0.006 | 0.16 | <0.1 | 0.9 | 0.03 | 0.07 | 63 | 0.5 | <0.02 | 2.2 | 0.46 | <0.1 | <0.02 |
| Q-A-L20-300 | Soil | 2.4 | 9.2 | 0.09 | 242.2 | 0.010 | 5 | 0.25 | 0.006 | 0.06 | <0.1 | 0.3 | 0.02 | 0.07 | 75 | 0.5 | 0.02 | 1.0 | 0.24 | <0.1 | <0.02 |
| Q-A-L20-400 | Soil | 5.8 | 31.1 | 0.22 | 355.0 | 0.045 | 3 | 1.10 | 0.006 | 0.14 | <0.1 | 1.9 | 0.06 | 0.04 | 65 | 1.7 | 0.03 | 4.3 | 0.53 | <0.1 | <0.02 |
| Q-A-L20-500 | Soil | 36.1 | 84.9 | 0.85 | 324.3 | 0.045 | 5 | 4.06 | 0.009 | 0.22 | 0.1 | 8.7 | 0.20 | 0.09 | 222 | 3.7 | 0.04 | 10.8 | 1.65 | <0.1 | <0.02 |
| Q-A-L20-600 | Soil | 23.9 | 103.1 | 1.05 | 377.1 | 0.060 | 5 | 4.51 | 0.012 | 0.29 | 0.1 | 11.7 | 0.15 | 0.03 | 114 | 2.0 | 0.08 | 12.3 | 1.81 | <0.1 | 0.04 |
| Q-A-L20-700 | Soil | 31.9 | 48.6 | 0.68 | 397.7 | 0.031 | 5 | 2.65 | 0.011 | 0.17 | <0.1 | 3.9 | 0.09 | 0.05 | 111 | 1.1 | 0.05 | 7.6 | 1.14 | <0.1 | <0.02 |



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Project: non-given
 Report Date: July 19, 2010

Page: 3 of 13 Part 3

CERTIFICATE OF ANALYSIS

VAN10002972.1

| Method | Analyte | Unit | MDL | 1F15 Nb | 1F15 Rb | 1F15 Sn | 1F15 Ta | 1F15 Zr | 1F15 Y | 1F15 Ce | 1F15 In | 1F15 Re | 1F15 Be | 1F15 Li | 1F15 Pd | 1F15 Pt |
|--------------|---------|------|-----|---------|---------|---------|---------|---------|--------|---------|---------|---------|---------|---------|---------|---------|
| | | | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppb | ppm | ppb | ppb | ppb |
| | | | | 0.02 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 | 0.1 | 0.02 | 1 | 0.1 | 0.1 | 10 | 2 |
| Q-A-L10-2000 | Soil | | | 0.69 | 4.0 | 0.4 | <0.05 | 1.5 | 1.60 | 8.6 | <0.02 | <1 | 0.3 | 5.6 | <10 | <2 |
| Q-A-L15-0 | Soil | | | 0.33 | 3.0 | 0.2 | <0.05 | 0.8 | 1.02 | 3.4 | <0.02 | <1 | <0.1 | 2.6 | <10 | <2 |
| Q-A-L15-100 | Soil | | | 0.71 | 5.3 | 0.3 | <0.05 | 0.8 | 1.85 | 11.4 | <0.02 | <1 | 0.2 | 6.5 | <10 | <2 |
| Q-A-L15-200 | Soil | | | 0.27 | 6.1 | 0.2 | <0.05 | 0.2 | 0.80 | 5.7 | <0.02 | <1 | <0.1 | 1.4 | <10 | <2 |
| Q-A-L15-300 | Soil | | | 0.35 | 5.3 | 0.2 | <0.05 | 0.5 | 0.84 | 6.1 | <0.02 | <1 | <0.1 | 1.5 | <10 | <2 |
| Q-A-L15-400 | Soil | | | 0.72 | 3.0 | 0.4 | <0.05 | 0.6 | 1.30 | 12.6 | <0.02 | <1 | 0.2 | 2.5 | <10 | <2 |
| Q-A-L15-500 | Soil | | | 0.61 | 7.1 | 0.3 | <0.05 | 0.5 | 1.64 | 9.0 | <0.02 | <1 | <0.1 | 6.4 | <10 | <2 |
| Q-A-L15-600 | Soil | | | 0.24 | 4.5 | 0.3 | <0.05 | 0.1 | 1.54 | 6.4 | <0.02 | <1 | 0.2 | 1.3 | <10 | <2 |
| Q-A-L15-700 | Soil | | | 0.70 | 8.8 | 0.4 | <0.05 | 0.3 | 14.61 | 37.7 | 0.03 | <1 | 0.9 | 8.0 | <10 | <2 |
| Q-A-L15-800 | Soil | | | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-L15-900 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| Q-A-L15-1000 | Soil | | | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-L15-1100 | Soil | | | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-L15-1200 | Soil | | | 0.48 | 4.7 | 0.3 | <0.05 | 0.5 | 1.32 | 7.9 | <0.02 | <1 | <0.1 | 3.2 | <10 | <2 |
| Q-A-L15-1300 | Soil | | | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-L15-1400 | Soil | | | 0.43 | 4.9 | 0.3 | <0.05 | 0.4 | 1.20 | 6.9 | <0.02 | <1 | 0.2 | 2.3 | <10 | <2 |
| Q-A-L15-1500 | Soil | | | 0.30 | 5.2 | 0.2 | <0.05 | 0.4 | 0.63 | 2.6 | <0.02 | <1 | <0.1 | 1.4 | <10 | <2 |
| Q-A-L15-1600 | Soil | | | 0.55 | 5.9 | 0.3 | <0.05 | 1.2 | 28.76 | 36.0 | 0.02 | <1 | 1.0 | 5.9 | <10 | <2 |
| Q-A-L15-1700 | Soil | | | 0.69 | 4.2 | 0.4 | <0.05 | 1.9 | 1.11 | 6.7 | <0.02 | <1 | 0.1 | 2.4 | <10 | <2 |
| Q-A-L15-1800 | Soil | | | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-L15-1900 | Soil | | | 0.59 | 5.4 | 0.4 | <0.05 | 1.1 | 1.71 | 10.0 | <0.02 | <1 | 0.1 | 2.7 | <10 | <2 |
| Q-A-L15-2000 | Soil | | | 0.19 | 2.4 | 0.1 | <0.05 | 0.9 | 0.49 | 1.8 | <0.02 | <1 | <0.1 | 1.1 | <10 | <2 |
| Q-A-L20-0 | Soil | | | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-L20-100 | Soil | | | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-L20-200 | Soil | | | 0.66 | 10.5 | 0.2 | <0.05 | 0.7 | 1.56 | 8.5 | <0.02 | <1 | <0.1 | 3.6 | <10 | <2 |
| Q-A-L20-300 | Soil | | | 0.16 | 2.5 | 0.2 | <0.05 | 0.2 | 0.83 | 4.3 | <0.02 | <1 | <0.1 | 1.0 | <10 | <2 |
| Q-A-L20-400 | Soil | | | 0.62 | 7.6 | 0.4 | <0.05 | 0.9 | 1.85 | 11.6 | <0.02 | 2 | 0.5 | 5.9 | <10 | <2 |
| Q-A-L20-500 | Soil | | | 1.14 | 17.6 | 0.8 | <0.05 | 1.3 | 24.49 | 71.7 | 0.04 | <1 | 0.9 | 17.7 | <10 | 2 |
| Q-A-L20-600 | Soil | | | 1.27 | 23.7 | 0.8 | <0.05 | 2.0 | 13.94 | 43.0 | 0.06 | 1 | 1.4 | 21.1 | <10 | <2 |
| Q-A-L20-700 | Soil | | | 0.63 | 16.0 | 0.5 | <0.05 | 0.4 | 22.43 | 55.6 | 0.03 | <1 | 2.0 | 13.7 | <10 | <2 |

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



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Project: non-given
 Report Date: July 19, 2010

Page: 4 of 13 Part 1

CERTIFICATE OF ANALYSIS

VAN10002972.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|----------------|---------|------|-------|-------|-------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|-------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P |
| Unit | | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| MDL | | 0.01 | 0.01 | 0.01 | 0.1 | 2 | 0.1 | 0.1 | 1 | 0.01 | 0.1 | 0.2 | 0.1 | 0.5 | 0.01 | 0.02 | 0.02 | 0.02 | 2 | 0.01 | 0.001 |
| Q-A-L20-800 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-L20-900 | Soil | 0.83 | 8.40 | 5.90 | 51.2 | 148 | 7.8 | 3.8 | 1417 | 1.33 | 1.5 | 0.2 | 1.5 | 0.2 | 28.5 | 0.44 | 0.20 | 0.08 | 38 | 0.43 | 0.053 |
| Q-A-L20-1000 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-L20-1100 | Soil | 1.67 | 7.82 | 10.16 | 71.2 | 150 | 7.1 | 3.9 | 977 | 0.95 | 1.3 | 0.1 | 2.0 | 0.1 | 33.8 | 0.61 | 0.20 | 0.10 | 25 | 0.46 | 0.071 |
| Q-A-L20-1200 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-L20-1300 | Soil | 0.85 | 9.83 | 6.43 | 42.7 | 61 | 12.1 | 3.3 | 1630 | 0.97 | 1.5 | 0.2 | 1.2 | 0.3 | 36.2 | 0.66 | 0.19 | 0.10 | 28 | 0.51 | 0.045 |
| Q-A-L20-1400 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-L20-1500 | Soil | 1.40 | 10.28 | 5.00 | 40.3 | 177 | 6.6 | 3.0 | 261 | 1.23 | 2.3 | 0.1 | 2.6 | <0.1 | 35.9 | 0.55 | 0.23 | 0.07 | 34 | 0.57 | 0.072 |
| Q-A-L20-1600 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-L20-1700 | Soil | 1.74 | 12.13 | 8.87 | 35.2 | 133 | 9.2 | 7.8 | 865 | 1.76 | 2.7 | 0.2 | 1.7 | 0.2 | 59.3 | 0.69 | 0.29 | 0.09 | 61 | 1.04 | 0.086 |
| Q-A-L20-1800 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-L20-1900 | Soil | 1.28 | 10.31 | 5.73 | 45.8 | 94 | 6.0 | 3.7 | 368 | 1.33 | 1.9 | 0.1 | 3.2 | 0.1 | 53.5 | 0.44 | 0.24 | 0.08 | 38 | 0.80 | 0.072 |
| Q-A-L20-2000 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-ORTH1-0 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-ORTH1-100 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-ORTH1-200 | Soil | 1.58 | 10.63 | 7.42 | 170.4 | 350 | 9.3 | 6.7 | 1432 | 0.60 | 1.6 | <0.1 | <0.2 | 0.2 | 111.1 | 2.30 | 0.21 | 0.06 | 16 | 1.50 | 0.109 |
| Q-A-ORTH1-300 | Soil | 0.88 | 10.32 | 3.01 | 125.1 | 374 | 5.6 | 2.2 | 320 | 0.23 | 0.6 | <0.1 | <0.2 | <0.1 | 95.7 | 1.02 | 0.10 | 0.04 | 5 | 1.67 | 0.088 |
| Q-A-ORTH1-400 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-ORTH1-500 | Soil | 0.14 | 7.61 | 4.36 | 39.7 | 59 | 13.3 | 4.3 | 138 | 1.09 | 1.1 | 0.3 | 0.9 | 1.5 | 22.2 | 0.08 | 0.21 | 0.08 | 33 | 0.32 | 0.044 |
| Q-A-ORTH1-600 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-ORTH1-700 | Soil | 0.54 | 9.27 | 5.16 | 49.0 | 88 | 10.2 | 4.6 | 545 | 1.51 | 2.1 | 0.3 | 0.4 | 0.7 | 28.0 | 0.20 | 0.20 | 0.07 | 45 | 0.35 | 0.045 |
| Q-A-ORTH1-800 | Soil | 1.19 | 9.91 | 6.20 | 61.9 | 151 | 11.1 | 4.8 | 992 | 1.54 | 2.2 | 0.2 | <0.2 | 0.2 | 41.5 | 0.60 | 0.25 | 0.07 | 44 | 0.67 | 0.060 |
| Q-A-ORTH1-900 | Soil | 0.67 | 7.31 | 5.32 | 27.6 | 65 | 10.4 | 3.9 | 547 | 1.48 | 1.9 | 0.2 | 0.7 | 0.6 | 24.1 | 0.16 | 0.25 | 0.07 | 45 | 0.37 | 0.032 |
| Q-A-ORTH1-1000 | Soil | 0.85 | 9.40 | 6.24 | 53.4 | 154 | 13.2 | 4.9 | 1482 | 1.07 | 1.5 | 0.2 | 9.1 | 0.4 | 50.3 | 0.45 | 0.46 | 0.07 | 29 | 0.74 | 0.050 |
| Q-A-ORTH1-1100 | Soil | 1.34 | 19.26 | 6.01 | 52.7 | 154 | 31.4 | 10.0 | 2195 | 1.64 | 2.5 | 0.3 | 1.6 | 0.4 | 58.5 | 0.59 | 0.26 | 0.08 | 40 | 0.71 | 0.105 |
| Q-A-ORTH1-1200 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-ORTH1-1300 | Soil | 1.11 | 36.08 | 8.34 | 62.0 | 311 | 39.3 | 14.3 | 1665 | 2.15 | 2.9 | 0.4 | 0.2 | 0.2 | 54.1 | 0.40 | 0.28 | 0.09 | 49 | 0.71 | 0.101 |
| Q-A-ORTH1-1400 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-ORTH1-1500 | Soil | 1.76 | 9.69 | 11.42 | 38.8 | 125 | 12.4 | 5.3 | 1777 | 1.14 | 1.9 | 0.1 | 0.2 | 0.2 | 40.8 | 0.78 | 0.24 | 0.08 | 29 | 1.12 | 0.092 |
| Q-A-ORTH1-1600 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |

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Project: non-given
Report Date: July 19, 2010

Page: 4 of 13 Part 2

CERTIFICATE OF ANALYSIS

VAN10002972.1

| Method | Analyte | 1F15 | | | | | | | | | | | | | | | | | | | |
|----------------|---------|------|------|------|-------|-------|------|------|-------|------|------|------|-------|-------|------|------|-------|------|------|------|-------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Sc | Tl | S | Hg | Se | Te | Ga | Cs | Ge | Hf |
| | | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | % | ppb | ppm | ppm | ppm | ppm | ppm | ppm |
| Unit | | | | | | | | | | | | | | | | | | | | | |
| MDL | | | | | | | | | | | | | | | | | | | | | |
| Q-A-L20-800 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-L20-900 | Soil | 4.3 | 23.9 | 0.11 | 143.0 | 0.038 | 3 | 0.42 | 0.005 | 0.06 | <0.1 | 1.0 | 0.04 | 0.03 | 52 | 0.2 | <0.02 | 2.3 | 0.33 | <0.1 | <0.02 |
| Q-A-L20-1000 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-L20-1100 | Soil | 4.3 | 14.7 | 0.09 | 253.1 | 0.030 | 5 | 0.38 | 0.004 | 0.08 | 0.1 | 0.8 | 0.04 | 0.05 | 88 | 0.1 | <0.02 | 2.0 | 0.43 | <0.1 | <0.02 |
| Q-A-L20-1200 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-L20-1300 | Soil | 5.4 | 17.6 | 0.09 | 349.6 | 0.036 | 5 | 0.33 | 0.005 | 0.07 | 0.1 | 1.0 | 0.06 | 0.03 | 51 | 0.4 | 0.02 | 1.9 | 0.39 | <0.1 | <0.02 |
| Q-A-L20-1400 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-L20-1500 | Soil | 4.0 | 23.9 | 0.10 | 117.6 | 0.028 | 5 | 0.36 | 0.005 | 0.07 | 0.1 | 0.7 | 0.03 | 0.06 | 84 | 0.1 | <0.02 | 2.0 | 0.27 | <0.1 | <0.02 |
| Q-A-L20-1600 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-L20-1700 | Soil | 3.7 | 20.3 | 0.26 | 163.2 | 0.065 | 8 | 0.50 | 0.005 | 0.06 | 0.2 | 1.9 | <0.02 | 0.07 | 107 | 0.5 | <0.02 | 3.0 | 0.47 | <0.1 | 0.03 |
| Q-A-L20-1800 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-L20-1900 | Soil | 3.3 | 33.0 | 0.10 | 122.5 | 0.043 | 6 | 0.30 | 0.006 | 0.08 | 0.2 | 1.1 | <0.02 | 0.07 | 102 | 0.3 | <0.02 | 1.9 | 0.39 | <0.1 | <0.02 |
| Q-A-L20-2000 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-ORTH-0 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-ORTH-100 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-ORTH1-200 | Soil | 2.4 | 12.4 | 0.18 | 260.8 | 0.023 | 9 | 0.33 | 0.009 | 0.10 | <0.1 | 1.0 | 0.03 | 0.12 | 163 | 0.4 | 0.03 | 1.2 | 0.31 | <0.1 | <0.02 |
| Q-A-ORTH1-300 | Soil | 0.8 | 5.5 | 0.18 | 139.2 | 0.008 | 13 | 0.09 | 0.008 | 0.08 | <0.1 | 0.6 | <0.02 | 0.14 | 131 | 0.4 | <0.02 | 0.4 | 0.10 | <0.1 | <0.02 |
| Q-A-ORTH-400 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-ORTH1-500 | Soil | 7.8 | 24.3 | 0.36 | 47.5 | 0.078 | 2 | 0.83 | 0.007 | 0.04 | <0.1 | 2.0 | 0.04 | <0.02 | 13 | <0.1 | <0.02 | 3.0 | 0.46 | <0.1 | 0.03 |
| Q-A-ORTH-600 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-ORTH1-700 | Soil | 6.2 | 25.6 | 0.17 | 101.7 | 0.057 | 1 | 0.64 | 0.007 | 0.06 | <0.1 | 1.5 | 0.02 | <0.02 | 28 | <0.1 | <0.02 | 2.8 | 0.30 | <0.1 | <0.02 |
| Q-A-ORTH-800 | Soil | 4.8 | 29.1 | 0.14 | 210.0 | 0.046 | 4 | 0.51 | 0.006 | 0.08 | 0.1 | 1.4 | 0.03 | 0.04 | 66 | 0.2 | <0.02 | 2.4 | 0.51 | <0.1 | <0.02 |
| Q-A-ORTH1-900 | Soil | 4.5 | 33.4 | 0.12 | 97.2 | 0.056 | 2 | 0.42 | 0.006 | 0.05 | <0.1 | 1.5 | <0.02 | <0.02 | 41 | 0.2 | <0.02 | 2.3 | 0.30 | <0.1 | 0.03 |
| Q-A-ORTH-1000 | Soil | 5.4 | 18.0 | 0.20 | 233.0 | 0.046 | 8 | 0.47 | 0.007 | 0.12 | <0.1 | 1.4 | 0.03 | 0.04 | 58 | 0.3 | <0.02 | 2.0 | 0.35 | <0.1 | <0.02 |
| Q-A-ORTH1-1100 | Soil | 15.2 | 29.3 | 0.31 | 286.9 | 0.052 | 3 | 1.04 | 0.008 | 0.10 | 0.1 | 2.3 | 0.07 | 0.04 | 51 | 0.4 | 0.04 | 3.2 | 0.63 | <0.1 | <0.02 |
| Q-A-ORTH-1200 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-ORTH1-1300 | Soil | 16.6 | 35.0 | 0.39 | 374.3 | 0.033 | 3 | 1.50 | 0.008 | 0.08 | <0.1 | 3.0 | 0.05 | 0.04 | 65 | 0.5 | <0.02 | 4.7 | 0.55 | <0.1 | <0.02 |
| Q-A-ORTH-1400 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-ORTH1-1500 | Soil | 3.2 | 24.1 | 0.18 | 426.3 | 0.033 | 6 | 0.38 | 0.006 | 0.10 | 0.2 | 1.1 | 0.02 | 0.08 | 106 | 0.5 | <0.02 | 1.6 | 0.34 | <0.1 | <0.02 |
| Q-A-ORTH-1600 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |

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Project: non-given
 Report Date: July 19, 2010

Page: 4 of 13 Part 3

CERTIFICATE OF ANALYSIS

VAN10002972.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|----------------|---------|------|------|------|-------|------|-------|------|-------|------|------|------|------|----|
| | | Nb | Rb | Sn | Ta | Zr | Y | Ce | In | Re | Be | Li | Pd | Pt |
| Unit | MDL | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppb | ppm | ppb | ppb | |
| | | 0.02 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 | 0.1 | 0.02 | 1 | 0.1 | 0.1 | 10 | |
| Q-A-L20-800 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | |
| Q-A-L20-900 | Soil | 0.32 | 3.6 | 0.3 | <0.05 | 0.5 | 1.52 | 8.1 | <0.02 | <1 | 0.1 | 2.4 | <10 | <2 |
| Q-A-L20-1000 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | |
| Q-A-L20-1100 | Soil | 0.31 | 3.7 | 0.3 | <0.05 | 0.3 | 1.13 | 8.2 | <0.02 | <1 | <0.1 | 2.4 | <10 | <2 |
| Q-A-L20-1200 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | |
| Q-A-L20-1300 | Soil | 0.34 | 4.3 | 0.2 | <0.05 | 0.3 | 1.36 | 10.9 | <0.02 | <1 | <0.1 | 1.3 | <10 | <2 |
| Q-A-L20-1400 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | |
| Q-A-L20-1500 | Soil | 0.31 | 2.7 | 0.2 | <0.05 | 0.4 | 0.92 | 7.6 | <0.02 | 2 | 0.1 | 1.5 | <10 | <2 |
| Q-A-L20-1600 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | |
| Q-A-L20-1700 | Soil | 0.49 | 2.9 | 0.4 | <0.05 | 1.0 | 1.67 | 6.9 | <0.02 | <1 | <0.1 | 3.8 | <10 | 2 |
| Q-A-L20-1800 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | |
| Q-A-L20-1900 | Soil | 0.37 | 2.7 | 0.2 | <0.05 | 0.7 | 0.88 | 6.3 | <0.02 | 1 | <0.1 | 1.5 | <10 | <2 |
| Q-A-L20-2000 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | |
| Q-A-ORTH1-0 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | |
| Q-A-ORTH1-100 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | |
| Q-A-ORTH1-200 | Soil | 0.30 | 2.8 | 0.2 | <0.05 | 0.7 | 1.11 | 4.6 | <0.02 | <1 | <0.1 | 1.7 | <10 | <2 |
| Q-A-ORTH1-300 | Soil | 0.10 | 1.3 | <0.1 | <0.05 | 0.7 | 0.55 | 1.4 | <0.02 | 1 | <0.1 | 0.5 | <10 | <2 |
| Q-A-ORTH1-400 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | |
| Q-A-ORTH1-500 | Soil | 0.48 | 7.4 | 0.2 | <0.05 | 1.7 | 3.19 | 14.9 | <0.02 | <1 | 0.2 | 7.8 | <10 | <2 |
| Q-A-ORTH1-600 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | |
| Q-A-ORTH1-700 | Soil | 0.48 | 5.1 | 0.2 | <0.05 | 0.9 | 2.19 | 12.0 | <0.02 | <1 | 0.1 | 5.4 | <10 | <2 |
| Q-A-ORTH1-800 | Soil | 0.37 | 9.1 | 0.2 | <0.05 | 0.6 | 2.07 | 8.5 | <0.02 | <1 | 0.1 | 2.9 | <10 | <2 |
| Q-A-ORTH1-900 | Soil | 0.41 | 3.0 | 0.2 | <0.05 | 1.1 | 1.56 | 8.5 | <0.02 | <1 | <0.1 | 2.9 | <10 | <2 |
| Q-A-ORTH1-1000 | Soil | 0.47 | 5.8 | 0.2 | <0.05 | 0.6 | 2.07 | 11.8 | <0.02 | 1 | <0.1 | 4.0 | <10 | <2 |
| Q-A-ORTH1-1100 | Soil | 0.46 | 8.4 | 0.3 | <0.05 | 0.5 | 10.04 | 37.1 | <0.02 | <1 | 0.6 | 8.0 | <10 | <2 |
| Q-A-ORTH1-1200 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | |
| Q-A-ORTH1-1300 | Soil | 0.53 | 7.5 | 0.3 | <0.05 | 0.4 | 12.58 | 34.7 | <0.02 | <1 | 0.6 | 7.8 | <10 | <2 |
| Q-A-ORTH1-1400 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | |
| Q-A-ORTH1-1500 | Soil | 0.38 | 3.8 | 0.2 | <0.05 | 0.6 | 1.07 | 6.5 | <0.02 | 1 | <0.1 | 2.4 | <10 | <2 |
| Q-A-ORTH1-1600 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | |

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Project: non-given
 Report Date: July 19, 2010

Page: 5 of 13 Part 1

CERTIFICATE OF ANALYSIS

VAN10002972.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|----------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P |
| Unit | | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| MDL | | 0.01 | 0.01 | 0.01 | 0.1 | 2 | 0.1 | 0.1 | 1 | 0.01 | 0.1 | 0.2 | 0.1 | 0.5 | 0.01 | 0.02 | 0.02 | 2 | 0.01 | 0.001 | |
| Q-A-ORTH1-1700 | Soil | 2.25 | 12.75 | 9.28 | 82.6 | 57 | 17.6 | 7.2 | 2523 | 1.60 | 2.1 | 0.2 | 0.5 | 0.4 | 56.1 | 0.97 | 0.27 | 0.08 | 40 | 0.82 | 0.072 |
| Q-A-ORTH1-1800 | Soil | 1.84 | 16.72 | 12.02 | 33.4 | 122 | 20.3 | 5.0 | 2002 | 1.07 | 2.0 | 0.2 | 4.3 | 0.2 | 46.5 | 1.03 | 0.29 | 0.09 | 31 | 1.08 | 0.077 |
| Q-A-ORTH1-1900 | Soil | 1.02 | 12.73 | 8.08 | 70.0 | 116 | 10.5 | 8.2 | 1050 | 1.60 | 2.0 | 0.2 | 1.2 | 0.5 | 34.1 | 0.46 | 0.23 | 0.08 | 44 | 0.66 | 0.076 |
| Q-A-ORTH1-2000 | Soil | 2.43 | 16.76 | 14.73 | 91.7 | 241 | 12.8 | 9.4 | 1826 | 1.42 | 2.6 | 0.2 | 1.2 | <0.1 | 61.9 | 0.63 | 0.27 | 0.10 | 36 | 1.22 | 0.120 |
| Q-A-ORTH1-2100 | Soil | 2.39 | 15.07 | 8.62 | 55.2 | 108 | 10.9 | 4.3 | 1725 | 0.77 | 1.4 | 0.1 | 0.6 | 0.2 | 86.5 | 0.88 | 0.17 | 0.06 | 22 | 1.68 | 0.139 |
| Q-A-ORTH1-2200 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-ORTH1-2300 | Soil | 0.82 | 47.21 | 6.41 | 226.2 | 122 | 12.8 | 3.9 | 379 | 0.58 | 1.4 | 0.2 | 0.4 | 0.2 | 101.1 | 1.16 | 0.16 | 0.05 | 15 | 2.42 | 0.215 |
| Q-A-ORTH1-2400 | Soil | 2.61 | 20.36 | 12.65 | 61.2 | 148 | 14.3 | 10.0 | 1664 | 1.60 | 2.6 | 0.2 | 0.7 | 0.2 | 66.9 | 0.83 | 0.33 | 0.11 | 42 | 0.84 | 0.113 |
| Q-A-ORTH1-2500 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-ORTH1-2600 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| Q-A-ORTH1-2700 | Soil | 0.64 | 15.34 | 9.13 | 120.5 | 49 | 57.1 | 17.2 | 2447 | 3.28 | 2.8 | 0.1 | <0.2 | 0.7 | 59.2 | 0.32 | 0.55 | 0.10 | 96 | 0.70 | 0.110 |
| H-A-L0N-0 | Soil | 1.44 | 25.19 | 13.44 | 81.3 | 621 | 7.5 | 3.3 | 2268 | 0.70 | 2.4 | 0.2 | 2.4 | 0.8 | 57.7 | 0.43 | 0.26 | 0.10 | 14 | 0.90 | 0.082 |
| H-A-L0N-100 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L0N-200 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L0N-300 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L0N-400 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L0N-500 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L0N-600 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L0N-700 | Soil | 1.15 | 75.45 | 9.22 | 33.5 | 910 | 37.1 | 5.6 | 135 | 1.67 | 2.3 | 7.1 | 3.6 | 0.4 | 128.2 | 0.61 | 0.45 | 0.16 | 21 | 1.59 | 0.281 |
| H-A-L0N-800 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L0N-900 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| H-A-L0N-1000 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L0N-1100 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L0N-1200 | Soil | 0.86 | 31.00 | 9.18 | 116.6 | 542 | 26.7 | 9.7 | 917 | 2.15 | 2.0 | 0.4 | 1.8 | 1.5 | 50.5 | 0.72 | 0.19 | 0.12 | 38 | 0.81 | 0.083 |
| H-A-L0N-1300 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L0N-1400 | Soil | 0.83 | 22.24 | 8.90 | 94.4 | 413 | 20.3 | 8.6 | 947 | 1.80 | 1.8 | 0.3 | 0.8 | 2.0 | 52.7 | 0.74 | 0.17 | 0.11 | 32 | 0.83 | 0.054 |
| H-A-L0N-1500 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L0N-1600 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L0N-1700 | Soil | 1.31 | 67.03 | 12.85 | 102.4 | 379 | 38.9 | 15.9 | 698 | 2.45 | 3.5 | 1.7 | 2.5 | 1.7 | 124.6 | 0.76 | 0.46 | 0.19 | 40 | 1.55 | 0.107 |
| H-A-L0N-1800 | Soil | 2.53 | 58.60 | 8.86 | 99.1 | 158 | 31.0 | 12.0 | 443 | 2.18 | 3.0 | 1.2 | 3.4 | 1.7 | 73.6 | 0.69 | 0.24 | 0.14 | 39 | 1.17 | 0.100 |

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Project: non-given
 Report Date: July 19, 2010

Page: 5 of 13 Part 2

CERTIFICATE OF ANALYSIS

VAN10002972.1

| Method | Analyte | 1F15 | | | | | | | | | | | | | | | | | | | |
|----------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Sc | Tl | S | Hg | Se | Te | Ga | Cs | Ge | Hf |
| Unit | | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | % | ppb | ppm | ppm | ppm | ppm | ppm | ppm |
| MDL | | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.1 | 0.02 |
| Q-A-ORTH1-1700 | Soil | 6.1 | 28.5 | 0.26 | 318.8 | 0.047 | 5 | 0.60 | 0.006 | 0.10 | 0.1 | 1.8 | 0.03 | 0.05 | 53 | 0.2 | <0.02 | 2.4 | 0.36 | <0.1 | <0.02 |
| Q-A-ORTH1-1800 | Soil | 6.0 | 24.3 | 0.19 | 602.3 | 0.042 | 9 | 0.36 | 0.007 | 0.09 | 0.2 | 1.3 | 0.03 | 0.06 | 88 | 0.3 | <0.02 | 1.8 | 0.37 | <0.1 | <0.02 |
| Q-A-ORTH1-1900 | Soil | 4.4 | 28.8 | 0.22 | 223.6 | 0.052 | 4 | 0.61 | 0.005 | 0.05 | 0.2 | 1.7 | <0.02 | 0.03 | 44 | 0.2 | <0.02 | 2.5 | 0.65 | <0.1 | 0.02 |
| Q-A-ORTH1-2000 | Soil | 3.0 | 23.2 | 0.26 | 343.3 | 0.033 | 8 | 0.67 | 0.006 | 0.08 | 0.3 | 1.1 | 0.04 | 0.09 | 190 | 0.4 | 0.03 | 2.3 | 0.78 | <0.1 | <0.02 |
| Q-A-ORTH1-2100 | Soil | 2.3 | 16.2 | 0.26 | 440.1 | 0.029 | 12 | 0.28 | 0.005 | 0.08 | 0.2 | 0.8 | <0.02 | 0.11 | 104 | 0.4 | 0.02 | 1.2 | 0.21 | <0.1 | <0.02 |
| Q-A-ORTH1-2200 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-ORTH1-2300 | Soil | 5.3 | 18.8 | 0.30 | 323.8 | 0.017 | 15 | 0.73 | 0.012 | 0.07 | <0.1 | 2.7 | 0.02 | 0.19 | 205 | 0.6 | 0.02 | 1.7 | 0.44 | <0.1 | 0.05 |
| Q-A-ORTH1-2400 | Soil | 5.2 | 31.0 | 0.29 | 393.1 | 0.057 | 6 | 0.67 | 0.008 | 0.08 | 0.2 | 1.6 | 0.04 | 0.06 | 111 | 0.3 | <0.02 | 2.5 | 0.71 | <0.1 | <0.02 |
| Q-A-ORTH1-2500 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-ORTH1-2600 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| Q-A-ORTH1-2700 | Soil | 7.6 | 49.7 | 0.82 | 363.9 | 0.170 | 6 | 1.77 | 0.025 | 0.12 | 0.2 | 3.0 | <0.02 | 0.02 | 52 | 0.3 | <0.02 | 6.0 | 0.71 | <0.1 | 0.05 |
| H-A-L0N-0 | Soil | 5.3 | 11.0 | 0.14 | 226.5 | 0.021 | 8 | 0.37 | 0.014 | 0.09 | <0.1 | 1.0 | 0.08 | 0.10 | 337 | 0.7 | <0.02 | 1.6 | 0.47 | <0.1 | <0.02 |
| H-A-L0N-100 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L0N-200 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L0N-300 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L0N-400 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L0N-500 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L0N-600 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L0N-700 | Soil | 54.7 | 27.5 | 0.39 | 159.1 | 0.019 | 7 | 2.10 | 0.013 | 0.12 | 0.1 | 3.5 | 0.12 | 0.23 | 349 | 1.6 | 0.03 | 3.1 | 0.85 | <0.1 | 0.03 |
| H-A-L0N-800 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L0N-900 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| H-A-L0N-1000 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L0N-1100 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L0N-1200 | Soil | 14.0 | 35.0 | 0.53 | 142.9 | 0.057 | 6 | 1.29 | 0.014 | 0.14 | 0.1 | 2.1 | 0.06 | 0.04 | 67 | 0.5 | <0.02 | 4.0 | 0.80 | <0.1 | <0.02 |
| H-A-L0N-1300 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L0N-1400 | Soil | 12.3 | 32.4 | 0.41 | 160.6 | 0.052 | 3 | 1.04 | 0.008 | 0.09 | 0.1 | 1.8 | 0.05 | 0.04 | 144 | 0.3 | 0.03 | 3.6 | 0.56 | <0.1 | 0.02 |
| H-A-L0N-1500 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L0N-1600 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L0N-1700 | Soil | 35.5 | 39.3 | 0.59 | 123.7 | 0.061 | 6 | 1.93 | 0.011 | 0.17 | 0.2 | 6.0 | 0.10 | 0.11 | 222 | 1.0 | <0.02 | 4.5 | 1.34 | <0.1 | 0.03 |
| H-A-L0N-1800 | Soil | 12.8 | 38.4 | 0.59 | 76.9 | 0.061 | 10 | 1.38 | 0.014 | 0.14 | 0.1 | 3.3 | 0.06 | 0.10 | 85 | 1.0 | 0.04 | 3.9 | 0.90 | <0.1 | 0.03 |

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Project: non-given
 Report Date: July 19, 2010

Page: 5 of 13 Part 3

CERTIFICATE OF ANALYSIS

VAN10002972.1

| Method | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|----------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Analyte | Nb | Rb | Sn | Ta | Zr | Y | Ce | In | Re | Be | Li | Pd | Pt | |
| Unit | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppb | ppm | ppb | ppb | ppb | |
| MDL | 0.02 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 | 0.1 | 0.02 | 1 | 0.1 | 0.1 | 10 | 2 | |
| Q-A-ORTH1-1700 | Soil | 0.45 | 5.1 | 0.2 | <0.05 | 0.5 | 2.26 | 13.2 | <0.02 | <1 | <0.1 | 4.3 | <10 | <2 |
| Q-A-ORTH1-1800 | Soil | 0.38 | 4.3 | 0.3 | <0.05 | 0.3 | 2.63 | 9.0 | 0.02 | <1 | <0.1 | 2.0 | <10 | 3 |
| Q-A-ORTH1-1900 | Soil | 0.52 | 4.7 | 0.3 | <0.05 | 0.9 | 1.46 | 7.7 | <0.02 | <1 | 0.2 | 3.5 | <10 | 2 |
| Q-A-ORTH1-2000 | Soil | 0.37 | 4.3 | 0.3 | <0.05 | 0.4 | 0.98 | 5.5 | <0.02 | <1 | 0.2 | 4.9 | <10 | <2 |
| Q-A-ORTH1-2100 | Soil | 0.29 | 2.1 | 0.2 | <0.05 | 0.5 | 0.86 | 4.0 | <0.02 | <1 | <0.1 | 1.5 | <10 | <2 |
| Q-A-ORTH1-2200 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-ORTH1-2300 | Soil | 0.26 | 3.7 | 0.2 | <0.05 | 1.5 | 4.93 | 6.0 | <0.02 | <1 | 0.1 | 2.6 | <10 | <2 |
| Q-A-ORTH1-2400 | Soil | 0.48 | 5.7 | 0.3 | <0.05 | 0.6 | 1.64 | 8.7 | <0.02 | <1 | 0.2 | 4.8 | <10 | <2 |
| Q-A-ORTH1-2500 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| Q-A-ORTH1-2600 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| Q-A-ORTH1-2700 | Soil | 0.99 | 16.8 | 0.6 | <0.05 | 2.2 | 1.26 | 15.0 | 0.02 | <1 | 0.4 | 9.2 | <10 | <2 |
| H-A-L0N-0 | Soil | 0.34 | 6.0 | 0.3 | <0.05 | 0.3 | 1.04 | 8.7 | <0.02 | <1 | 0.1 | 3.0 | <10 | <2 |
| H-A-L0N-100 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L0N-200 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L0N-300 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L0N-400 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L0N-500 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L0N-600 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L0N-700 | Soil | 0.69 | 9.3 | 0.3 | <0.05 | 0.8 | 25.60 | 89.9 | 0.03 | <1 | 0.6 | 7.4 | <10 | <2 |
| H-A-L0N-800 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L0N-900 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| H-A-L0N-1000 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L0N-1100 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L0N-1200 | Soil | 0.80 | 15.1 | 0.3 | <0.05 | 0.6 | 2.85 | 24.5 | <0.02 | <1 | 0.3 | 19.2 | <10 | <2 |
| H-A-L0N-1300 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L0N-1400 | Soil | 0.89 | 9.8 | 0.3 | <0.05 | 1.0 | 2.36 | 21.5 | <0.02 | <1 | 0.2 | 16.4 | <10 | <2 |
| H-A-L0N-1500 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L0N-1600 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L0N-1700 | Soil | 1.27 | 14.6 | 0.4 | <0.05 | 1.5 | 20.32 | 42.6 | 0.03 | 2 | 0.8 | 16.0 | <10 | <2 |
| H-A-L0N-1800 | Soil | 1.08 | 14.8 | 0.3 | <0.05 | 1.5 | 4.91 | 20.8 | <0.02 | 2 | 0.3 | 17.7 | <10 | <2 |

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



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Page: 6 of 13 Part 1

CERTIFICATE OF ANALYSIS

VAN10002972.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|---------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P |
| Unit | | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | % | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| MDL | | 0.01 | 0.01 | 0.01 | 0.1 | 2 | 0.1 | 0.1 | 1 | 0.01 | 0.1 | 0.1 | 0.1 | 0.1 | 0.01 | 0.02 | 0.02 | 0.02 | 2 | 0.01 | 0.001 |
| H-A-L0N-1900 | Soil | 2.64 | 48.96 | 16.65 | 82.7 | 383 | 22.8 | 10.4 | 2115 | 1.65 | 1.9 | 0.3 | 1.2 | 0.3 | 78.0 | 0.71 | 0.25 | 0.13 | 37 | 1.06 | 0.130 |
| H-A-L0N-2000 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| H-A-L0N-2100 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L10N-0 | Soil | 1.20 | 44.66 | 19.58 | 234.7 | 2358 | 14.7 | 5.5 | 2907 | 0.71 | 1.3 | 0.1 | 1.1 | 0.3 | 174.1 | 2.85 | 0.21 | 0.13 | 10 | 3.29 | 0.156 |
| H-A-L10N-100 | Soil | 0.74 | 26.67 | 9.75 | 134.4 | 89 | 27.3 | 15.0 | 502 | 2.86 | 4.2 | 0.6 | 1.1 | 2.9 | 49.7 | 0.64 | 0.24 | 0.17 | 48 | 0.57 | 0.057 |
| H-A-L10N-200 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L10N-300 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L10N-400 | Soil | 0.58 | 48.29 | 13.45 | 120.0 | 121 | 32.7 | 13.5 | 714 | 2.91 | 5.8 | 0.9 | 1.6 | 3.0 | 66.5 | 0.35 | 0.29 | 0.17 | 56 | 0.84 | 0.078 |
| H-A-L10N-500 | Soil | 1.21 | 45.38 | 9.94 | 133.4 | 178 | 13.3 | 4.1 | 804 | 0.67 | 0.8 | 0.3 | 2.6 | 0.3 | 156.4 | 1.69 | 0.28 | 0.09 | 12 | 3.22 | 0.126 |
| H-A-L10N-600 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L10N-700 | Soil | 0.53 | 15.91 | 8.27 | 103.8 | 140 | 24.8 | 14.0 | 1042 | 2.54 | 2.1 | 0.4 | 3.9 | 1.6 | 32.7 | 0.49 | 0.17 | 0.19 | 40 | 0.47 | 0.092 |
| H-A-L10N-800 | Soil | 0.58 | 9.14 | 7.40 | 68.2 | 187 | 13.3 | 7.7 | 2014 | 1.67 | 1.8 | 0.3 | 1.2 | 1.7 | 32.3 | 0.37 | 0.17 | 0.14 | 34 | 0.53 | 0.042 |
| H-A-L10N-900 | Soil | 0.65 | 18.31 | 6.96 | 48.3 | 82 | 15.1 | 7.2 | 747 | 1.76 | 2.1 | 0.3 | 2.2 | 0.8 | 36.8 | 0.26 | 0.19 | 0.12 | 37 | 0.41 | 0.059 |
| H-A-L10N-1000 | Soil | 1.36 | 50.93 | 20.65 | 139.7 | 681 | 10.0 | 3.8 | 2969 | 0.57 | 1.2 | 0.1 | 6.4 | 0.3 | 134.1 | 1.83 | 0.22 | 0.20 | 13 | 1.73 | 0.089 |
| H-A-L10N-1100 | Soil | 0.93 | 38.22 | 8.17 | 86.8 | 215 | 20.5 | 8.5 | 1291 | 1.91 | 2.3 | 0.3 | 5.9 | 0.7 | 56.0 | 0.89 | 0.19 | 0.14 | 32 | 0.88 | 0.113 |
| H-A-L10N-1200 | Soil | 0.58 | 15.14 | 6.39 | 60.3 | 348 | 17.5 | 9.7 | 830 | 2.55 | 3.7 | 0.3 | 0.7 | 1.5 | 39.6 | 0.25 | 0.17 | 0.12 | 59 | 0.53 | 0.086 |
| H-A-L10N-1300 | Soil | 0.52 | 8.71 | 6.53 | 29.9 | 411 | 2.8 | 2.2 | 1141 | 0.48 | 0.8 | 0.1 | <0.2 | 0.3 | 19.6 | 0.23 | 0.12 | 0.09 | 15 | 0.31 | 0.035 |
| H-A-L10N-1400 | Soil | 0.80 | 8.03 | 6.77 | 35.9 | 229 | 4.3 | 3.6 | 855 | 0.65 | 1.4 | 0.2 | 0.7 | 0.5 | 32.3 | 0.23 | 0.15 | 0.08 | 18 | 0.43 | 0.046 |
| H-A-L10N-1500 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L10N-1600 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L10N-1700 | Soil | 1.12 | 24.43 | 10.36 | 87.8 | 544 | 14.4 | 14.8 | 3546 | 1.22 | 1.4 | 0.3 | <0.2 | 0.2 | 59.2 | 1.98 | 0.22 | 0.14 | 35 | 0.91 | 0.060 |
| H-A-L5N-0 | Soil | 2.46 | 37.80 | 11.37 | 148.7 | 328 | 21.4 | 8.5 | 1415 | 1.48 | 2.1 | 0.9 | <0.2 | 0.4 | 146.8 | 1.13 | 0.29 | 0.15 | 21 | 2.37 | 0.134 |
| H-A-L5N-100 | Soil | 0.90 | 43.34 | 1.53 | 213.3 | 62 | 6.5 | 2.7 | 420 | 0.30 | 1.0 | <0.1 | 4.3 | 0.1 | 221.9 | 2.68 | 0.05 | 0.04 | 6 | 2.56 | 0.121 |
| H-A-L5N-200 | Soil | 2.36 | 37.13 | 5.21 | 194.7 | 306 | 13.1 | 4.1 | 672 | 0.75 | 1.0 | 0.9 | 0.5 | 0.6 | 202.3 | 1.27 | 0.19 | 0.10 | 11 | 2.74 | 0.101 |
| H-A-L5N-300 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L5N-400 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L5N-500 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L5N-600 | Soil | 0.63 | 45.55 | 7.62 | 77.7 | 58 | 32.3 | 12.0 | 550 | 2.73 | 4.5 | 0.5 | 1.4 | 3.2 | 42.9 | 0.22 | 0.34 | 0.19 | 49 | 0.61 | 0.075 |
| H-A-L5N-700 | Soil | 0.93 | 33.89 | 4.85 | 48.9 | 57 | 13.9 | 7.4 | 586 | 1.98 | 4.7 | 0.6 | 3.5 | 1.0 | 72.8 | 0.12 | 0.22 | 0.07 | 53 | 0.89 | 0.083 |
| H-A-L5N-800 | Soil | 1.16 | 62.81 | 5.07 | 94.4 | 177 | 3.3 | 1.3 | 323 | 0.26 | 0.8 | <0.1 | 4.0 | 0.1 | 69.1 | 0.84 | 0.13 | 0.06 | 7 | 0.86 | 0.109 |

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



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Project: non-given
 Report Date: July 19, 2010

Page: 6 of 13 Part 2

CERTIFICATE OF ANALYSIS

VAN10002972.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|---------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Sc | Tl | S | Hg | Se | Te | Ga | Cs | Ge | Hf |
| Unit | | ppm | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | % | ppb | ppm | ppm | ppm | ppm | ppm | ppm | |
| MDL | | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.02 | |
| H-A-L0N-1900 | Soil | 9.1 | 36.3 | 0.39 | 158.0 | 0.054 | 7 | 1.01 | 0.013 | 0.10 | 0.1 | 1.9 | 0.04 | 0.09 | 119 | 0.5 | <0.02 | 3.3 | 0.59 | <0.1 | <0.02 |
| H-A-L0N-2000 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| H-A-L0N-2100 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L10N-0 | Soil | 4.0 | 10.8 | 0.20 | 507.7 | 0.020 | 18 | 0.40 | 0.006 | 0.09 | <0.1 | 1.0 | 0.06 | 0.17 | 287 | 0.8 | 0.04 | 1.5 | 0.73 | <0.1 | 0.03 |
| H-A-L10N-100 | Soil | 18.0 | 37.5 | 0.67 | 134.4 | 0.056 | 5 | 1.55 | 0.008 | 0.14 | 0.1 | 2.8 | 0.07 | 0.03 | 43 | 0.3 | <0.02 | 4.9 | 1.16 | <0.1 | 0.02 |
| H-A-L10N-200 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L10N-300 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L10N-400 | Soil | 17.3 | 43.8 | 0.65 | 173.5 | 0.073 | 6 | 1.77 | 0.017 | 0.18 | 0.1 | 4.8 | 0.10 | 0.04 | 41 | 0.7 | <0.02 | 4.8 | 1.61 | <0.1 | 0.03 |
| H-A-L10N-500 | Soil | 5.4 | 11.0 | 0.27 | 117.9 | 0.017 | 13 | 0.47 | 0.015 | 0.07 | <0.1 | 1.1 | 0.05 | 0.20 | 238 | 1.0 | <0.02 | 1.3 | 0.48 | <0.1 | 0.03 |
| H-A-L10N-600 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L10N-700 | Soil | 12.7 | 36.5 | 0.62 | 98.1 | 0.042 | 3 | 1.61 | 0.007 | 0.14 | 0.1 | 2.1 | 0.09 | <0.02 | 34 | 0.2 | 0.03 | 4.8 | 1.06 | <0.1 | <0.02 |
| H-A-L10N-800 | Soil | 10.4 | 22.3 | 0.32 | 128.4 | 0.035 | 3 | 0.94 | 0.005 | 0.11 | <0.1 | 1.4 | 0.07 | 0.02 | 64 | <0.1 | <0.02 | 3.6 | 0.52 | <0.1 | <0.02 |
| H-A-L10N-900 | Soil | 11.0 | 24.2 | 0.30 | 91.1 | 0.043 | 4 | 0.98 | 0.007 | 0.09 | 0.1 | 1.7 | 0.06 | 0.03 | 41 | <0.1 | <0.02 | 3.3 | 0.65 | <0.1 | <0.02 |
| H-A-L10N-1000 | Soil | 3.6 | 8.6 | 0.13 | 454.2 | 0.019 | 11 | 0.34 | 0.009 | 0.09 | 0.1 | 0.9 | 0.09 | 0.12 | 268 | 0.4 | <0.02 | 1.3 | 0.40 | <0.1 | <0.02 |
| H-A-L10N-1100 | Soil | 8.6 | 27.5 | 0.49 | 158.6 | 0.035 | 6 | 1.13 | 0.007 | 0.13 | 0.1 | 1.6 | 0.07 | 0.08 | 79 | 0.2 | <0.02 | 3.6 | 0.75 | <0.1 | <0.02 |
| H-A-L10N-1200 | Soil | 6.7 | 29.6 | 0.39 | 109.3 | 0.046 | 4 | 1.40 | 0.006 | 0.09 | 0.1 | 2.1 | 0.04 | <0.02 | 47 | <0.1 | 0.02 | 4.3 | 0.74 | <0.1 | <0.02 |
| H-A-L10N-1300 | Soil | 4.6 | 8.3 | 0.04 | 80.2 | 0.022 | 6 | 0.22 | 0.006 | 0.04 | <0.1 | 0.7 | 0.06 | 0.03 | 69 | <0.1 | <0.02 | 1.4 | 0.51 | <0.1 | <0.02 |
| H-A-L10N-1400 | Soil | 4.8 | 9.6 | 0.08 | 65.0 | 0.023 | 6 | 0.28 | 0.006 | 0.05 | <0.1 | 0.8 | 0.05 | 0.05 | 110 | <0.1 | <0.02 | 1.6 | 0.40 | <0.1 | <0.02 |
| H-A-L10N-1500 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L10N-1600 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L10N-1700 | Soil | 10.5 | 39.0 | 0.12 | 213.2 | 0.037 | 3 | 0.60 | 0.007 | 0.06 | <0.1 | 1.8 | 0.08 | 0.06 | 210 | 0.3 | <0.02 | 3.2 | 0.41 | <0.1 | <0.02 |
| H-A-L5N-0 | Soil | 11.2 | 20.4 | 0.32 | 206.5 | 0.023 | 13 | 0.92 | 0.010 | 0.12 | 0.1 | 1.9 | 0.07 | 0.18 | 154 | 0.8 | 0.04 | 2.6 | 0.76 | <0.1 | 0.02 |
| H-A-L5N-100 | Soil | 1.1 | 4.6 | 0.29 | 69.2 | 0.006 | 39 | 0.11 | 0.006 | 0.11 | <0.1 | 0.4 | <0.02 | 0.25 | 84 | 0.1 | 0.05 | 0.4 | 0.13 | <0.1 | <0.02 |
| H-A-L5N-200 | Soil | 3.7 | 11.8 | 0.24 | 179.7 | 0.019 | 21 | 0.51 | 0.010 | 0.14 | <0.1 | 1.5 | 0.06 | 0.18 | 165 | 0.8 | 0.03 | 1.3 | 0.51 | <0.1 | 0.03 |
| H-A-L5N-300 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L5N-400 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L5N-500 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L5N-600 | Soil | 16.3 | 39.1 | 0.62 | 101.6 | 0.057 | 4 | 1.80 | 0.010 | 0.15 | 0.1 | 3.7 | 0.09 | 0.03 | 39 | 0.2 | <0.02 | 4.5 | 1.01 | <0.1 | <0.02 |
| H-A-L5N-700 | Soil | 9.0 | 23.8 | 0.43 | 67.5 | 0.046 | 7 | 0.97 | 0.012 | 0.07 | 0.2 | 2.5 | 0.04 | 0.06 | 80 | 0.4 | <0.02 | 2.9 | 0.57 | <0.1 | 0.03 |
| H-A-L5N-800 | Soil | 1.0 | 4.0 | 0.09 | 169.4 | 0.008 | 7 | 0.11 | 0.006 | 0.08 | <0.1 | 0.6 | <0.02 | 0.15 | 140 | 0.3 | 0.02 | 0.4 | 0.13 | <0.1 | 0.02 |

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Project: non-given
 Report Date: July 19, 2010

Page: 6 of 13 Part 3

CERTIFICATE OF ANALYSIS

VAN10002972.1

| Method | Analyte | Unit | MDL | 1F15 Nb | 1F15 Rb | 1F15 Sn | 1F15 Ta | 1F15 Zr | 1F15 Y | 1F15 Ce | 1F15 In | 1F15 Re | 1F15 Be | 1F15 Li | 1F15 Pd | 1F15 Pt |
|---------------|---------|------|-----|---------|---------|---------|---------|---------|--------|---------|---------|---------|---------|---------|---------|---------|
| | | | | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppb | ppm | ppb | ppb | ppb |
| | | | | 0.02 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 | 0.1 | 0.02 | 1 | 0.1 | 0.1 | 10 | 2 |
| H-A-L0N-1900 | Soil | | | 0.68 | 6.3 | 0.4 | <0.05 | 0.6 | 3.19 | 15.6 | 0.02 | 1 | 0.2 | 10.4 | <10 | <2 |
| H-A-L0N-2000 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| H-A-L0N-2100 | Soil | | | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L10N-0 | Soil | | | 0.31 | 13.0 | 0.3 | <0.05 | 0.7 | 1.42 | 6.1 | 0.02 | <1 | <0.1 | 3.8 | <10 | <2 |
| H-A-L10N-100 | Soil | | | 1.05 | 18.2 | 0.3 | <0.05 | 0.9 | 3.25 | 31.7 | <0.02 | <1 | 0.4 | 26.1 | <10 | <2 |
| H-A-L10N-200 | Soil | | | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L10N-300 | Soil | | | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L10N-400 | Soil | | | 1.04 | 17.7 | 0.4 | <0.05 | 1.3 | 7.20 | 30.8 | 0.02 | <1 | 0.4 | 22.3 | <10 | <2 |
| H-A-L10N-500 | Soil | | | 0.34 | 5.7 | 0.3 | <0.05 | 0.8 | 3.36 | 6.4 | <0.02 | 1 | 0.2 | 2.6 | <10 | <2 |
| H-A-L10N-600 | Soil | | | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L10N-700 | Soil | | | 0.80 | 18.0 | 0.3 | <0.05 | 0.6 | 3.26 | 26.8 | <0.02 | <1 | 0.3 | 24.7 | <10 | <2 |
| H-A-L10N-800 | Soil | | | 0.57 | 8.9 | 0.3 | <0.05 | 0.4 | 1.89 | 21.9 | <0.02 | <1 | 0.2 | 13.1 | <10 | <2 |
| H-A-L10N-900 | Soil | | | 0.45 | 11.2 | 0.3 | <0.05 | 0.4 | 3.13 | 22.3 | <0.02 | 2 | 0.3 | 12.3 | <10 | <2 |
| H-A-L10N-1000 | Soil | | | 0.22 | 4.6 | 0.4 | <0.05 | 0.5 | 1.31 | 6.5 | <0.02 | 1 | <0.1 | 1.7 | <10 | <2 |
| H-A-L10N-1100 | Soil | | | 0.66 | 12.6 | 0.3 | <0.05 | 0.4 | 2.43 | 18.5 | <0.02 | <1 | 0.1 | 16.4 | <10 | <2 |
| H-A-L10N-1200 | Soil | | | 0.57 | 10.3 | 0.3 | <0.05 | 0.8 | 1.95 | 15.1 | <0.02 | <1 | 0.3 | 10.3 | <10 | <2 |
| H-A-L10N-1300 | Soil | | | 0.18 | 4.0 | 0.2 | <0.05 | 0.1 | 0.78 | 9.3 | <0.02 | 1 | <0.1 | 1.2 | <10 | <2 |
| H-A-L10N-1400 | Soil | | | 0.27 | 4.4 | 0.2 | <0.05 | 0.3 | 0.87 | 9.4 | <0.02 | <1 | <0.1 | 2.4 | <10 | <2 |
| H-A-L10N-1500 | Soil | | | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L10N-1600 | Soil | | | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L10N-1700 | Soil | | | 0.51 | 9.4 | 0.4 | <0.05 | 0.5 | 4.86 | 18.5 | <0.02 | <1 | 0.2 | 3.7 | <10 | <2 |
| H-A-L5N-0 | Soil | | | 0.65 | 16.1 | 0.3 | <0.05 | 0.7 | 7.23 | 15.0 | <0.02 | 2 | 0.1 | 8.3 | <10 | <2 |
| H-A-L5N-100 | Soil | | | 0.10 | 2.5 | <0.1 | <0.05 | 0.4 | 0.70 | 2.1 | <0.02 | 1 | <0.1 | 1.8 | <10 | <2 |
| H-A-L5N-200 | Soil | | | 0.45 | 6.4 | 0.2 | <0.05 | 1.3 | 2.39 | 6.1 | <0.02 | 1 | 0.2 | 4.9 | <10 | <2 |
| H-A-L5N-300 | Soil | | | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L5N-400 | Soil | | | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L5N-500 | Soil | | | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L5N-600 | Soil | | | 0.85 | 11.4 | 0.4 | <0.05 | 1.2 | 6.96 | 33.6 | <0.02 | <1 | 0.4 | 19.0 | <10 | <2 |
| H-A-L5N-700 | Soil | | | 0.63 | 3.8 | 0.2 | <0.05 | 1.6 | 5.28 | 16.9 | <0.02 | <1 | 0.2 | 9.2 | <10 | <2 |
| H-A-L5N-800 | Soil | | | 0.09 | 2.1 | 0.1 | <0.05 | 0.5 | 0.53 | 1.6 | <0.02 | <1 | <0.1 | 0.6 | <10 | <2 |

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Project: non-given
 Report Date: July 19, 2010

Page: 7 of 13 Part 1

CERTIFICATE OF ANALYSIS

VAN10002972.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|--------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P |
| Unit | | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| MDL | | 0.01 | 0.01 | 0.01 | 0.1 | 2 | 0.1 | 0.1 | 1 | 0.01 | 0.1 | 0.2 | 0.1 | 0.5 | 0.01 | 0.02 | 0.02 | 2 | 0.01 | 0.001 | |
| H-A-L5N-900 | Soil | 1.19 | 33.68 | 6.24 | 55.1 | 266 | 16.3 | 5.4 | 605 | 0.97 | 1.2 | 1.2 | 0.7 | 0.2 | 108.8 | 0.94 | 0.30 | 0.09 | 14 | 1.51 | 0.123 |
| H-A-L5N-1000 | Soil | 1.89 | 33.89 | 7.78 | 68.7 | 717 | 15.0 | 6.5 | 1087 | 1.13 | 1.5 | 0.7 | 0.9 | <0.1 | 88.0 | 1.63 | 0.33 | 0.09 | 11 | 1.12 | 0.194 |
| H-A-L5N-1100 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L5N-1200 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L5N-1300 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L5N-1400 | Soil | 0.78 | 33.13 | 6.05 | 176.8 | 226 | 3.8 | 1.9 | 1057 | 0.18 | 0.6 | <0.1 | 2.0 | <0.1 | 139.0 | 2.46 | 0.10 | 0.04 | 5 | 2.53 | 0.120 |
| H-A-L5N-1500 | Soil | 0.59 | 26.19 | 2.59 | 154.9 | 104 | 4.0 | 1.8 | 143 | 0.09 | 0.5 | <0.1 | 0.9 | <0.1 | 195.8 | 1.83 | 0.03 | <0.02 | 3 | 3.44 | 0.118 |
| H-A-L5N-1600 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L5N-1700 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-0 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-100 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-200 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-300 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-400 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-500 | Soil | 0.97 | 19.62 | 5.80 | 67.7 | 157 | 15.6 | 7.5 | 624 | 1.70 | 3.1 | 0.3 | 2.0 | 0.8 | 38.0 | 0.49 | 0.36 | 0.07 | 48 | 0.66 | 0.059 |
| R-A-L0-600 | Soil | 1.45 | 11.97 | 5.55 | 26.7 | 83 | 10.2 | 5.2 | 722 | 1.26 | 1.7 | 0.1 | 0.7 | 0.3 | 72.0 | 0.38 | 0.23 | 0.06 | 38 | 1.22 | 0.084 |
| R-A-L0-700 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-800 | Soil | 0.74 | 12.02 | 37.23 | 152.8 | 179 | 13.1 | 7.9 | 1270 | 2.19 | 2.9 | 0.2 | 3.9 | 0.2 | 27.1 | 0.81 | 0.43 | 0.12 | 60 | 0.52 | 0.223 |
| R-A-L0-850 | Soil | 0.84 | 11.32 | 8.48 | 131.8 | 203 | 6.1 | 3.3 | 1325 | 0.81 | 1.1 | 0.1 | 1.4 | 0.1 | 50.6 | 1.60 | 0.26 | 0.07 | 23 | 0.80 | 0.097 |
| R-A-L0-900 | Soil | 1.04 | 39.12 | 6.87 | 143.1 | 503 | 29.6 | 14.0 | 1091 | 2.79 | 4.7 | 0.8 | 1.4 | 0.8 | 51.5 | 1.92 | 0.40 | 0.13 | 65 | 0.73 | 0.196 |
| R-A-L0-950 | Soil | 1.17 | 24.81 | 9.96 | 133.5 | 553 | 16.1 | 8.0 | 1369 | 2.03 | 2.7 | 0.3 | 1.6 | 0.1 | 39.8 | 1.72 | 0.36 | 0.14 | 46 | 0.60 | 0.114 |
| R-A-L0-1000 | Soil | 1.21 | 11.78 | 10.04 | 120.0 | 262 | 11.4 | 12.4 | 5051 | 2.05 | 1.5 | 0.2 | 567.3 | <0.1 | 62.8 | 1.52 | 0.34 | 0.12 | 55 | 0.99 | 0.157 |
| R-A-L0-1050 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-1100 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-1150 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-1200 | Soil | 0.74 | 32.07 | 6.03 | 79.4 | 111 | 22.7 | 12.5 | 1135 | 2.31 | 6.3 | 1.9 | 2.9 | 1.1 | 59.2 | 0.35 | 0.43 | 0.10 | 57 | 0.99 | 0.147 |
| R-A-L0-1250 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L0-1300 | Soil | 1.30 | 48.39 | 8.42 | 82.9 | 230 | 29.0 | 17.9 | 1484 | 2.76 | 8.4 | 3.7 | 6.6 | 0.8 | 86.3 | 1.82 | 0.58 | 0.14 | 65 | 1.51 | 0.165 |
| R-A-L0-1350 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L0-1400 | Soil | 1.18 | 33.55 | 6.86 | 58.2 | 141 | 19.2 | 9.9 | 894 | 1.91 | 6.2 | 3.3 | 3.4 | 0.3 | 116.5 | 0.55 | 0.41 | 0.12 | 42 | 1.76 | 0.144 |

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Project: non-given
 Report Date: July 19, 2010

Page: 7 of 13 Part 2

CERTIFICATE OF ANALYSIS

VAN10002972.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|--------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Sc | Tl | S | Hg | Se | Te | Ga | Cs | Ge | Hf |
| Unit | | ppm | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | % | ppb | ppm | ppm | ppm | ppm | ppm | ppm | |
| MDL | | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.02 | |
| H-A-L5N-900 | Soil | 20.4 | 11.5 | 0.25 | 73.2 | 0.016 | 10 | 0.93 | 0.008 | 0.08 | <0.1 | 1.7 | 0.07 | 0.16 | 146 | 0.6 | 0.06 | 1.8 | 0.41 | <0.1 | <0.02 |
| H-A-L5N-1000 | Soil | 17.2 | 8.0 | 0.13 | 147.5 | 0.011 | 5 | 1.04 | 0.008 | 0.08 | <0.1 | 1.5 | 0.05 | 0.20 | 398 | 0.6 | 0.03 | 1.3 | 0.27 | <0.1 | <0.02 |
| H-A-L5N-1100 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L5N-1200 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L5N-1300 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L5N-1400 | Soil | 0.7 | 3.0 | 0.13 | 166.9 | 0.004 | 13 | 0.07 | 0.005 | 0.12 | <0.1 | 0.4 | 0.03 | 0.18 | 189 | 0.4 | 0.02 | 0.3 | 0.15 | <0.1 | <0.02 |
| H-A-L5N-1500 | Soil | <0.5 | 2.5 | 0.23 | 35.6 | 0.003 | 26 | 0.04 | 0.006 | 0.18 | <0.1 | 0.2 | <0.02 | 0.21 | 153 | 0.7 | 0.03 | 0.1 | 0.07 | <0.1 | <0.02 |
| H-A-L5N-1600 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L5N-1700 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-0 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-100 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-200 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-300 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-400 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-500 | Soil | 6.7 | 26.1 | 0.33 | 140.0 | 0.060 | 5 | 1.11 | 0.008 | 0.09 | 0.1 | 2.9 | 0.06 | 0.04 | 135 | 0.2 | 0.04 | 3.6 | 0.68 | <0.1 | <0.02 |
| R-A-L0-600 | Soil | 3.2 | 18.8 | 0.26 | 143.8 | 0.040 | 4 | 0.71 | 0.012 | 0.10 | 0.1 | 1.4 | 0.03 | 0.10 | 127 | 0.3 | <0.02 | 2.3 | 0.41 | <0.1 | <0.02 |
| R-A-L0-700 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-800 | Soil | 4.6 | 32.5 | 0.31 | 148.1 | 0.045 | 2 | 1.12 | 0.008 | 0.07 | 0.1 | 1.5 | 0.09 | 0.03 | 100 | 0.3 | 0.02 | 4.6 | 0.97 | <0.1 | <0.02 |
| R-A-L0-850 | Soil | 2.3 | 14.0 | 0.17 | 247.7 | 0.026 | 5 | 0.40 | 0.010 | 0.06 | <0.1 | 1.0 | 0.07 | 0.09 | 188 | 0.4 | <0.02 | 1.8 | 0.49 | <0.1 | <0.02 |
| R-A-L0-900 | Soil | 8.0 | 46.2 | 0.65 | 223.1 | 0.054 | 4 | 1.83 | 0.012 | 0.14 | 0.2 | 4.7 | 0.07 | 0.04 | 66 | 0.5 | 0.03 | 5.6 | 0.97 | <0.1 | 0.02 |
| R-A-L0-950 | Soil | 4.7 | 33.8 | 0.40 | 238.9 | 0.036 | 3 | 1.27 | 0.007 | 0.11 | 0.1 | 1.8 | 0.11 | 0.05 | 119 | 0.3 | 0.04 | 4.8 | 0.87 | <0.1 | <0.02 |
| R-A-L0-1000 | Soil | 3.5 | 33.0 | 0.26 | 432.1 | 0.032 | 5 | 0.82 | 0.006 | 0.10 | <0.1 | 0.9 | 0.09 | 0.06 | 81 | 0.4 | 0.02 | 4.0 | 0.76 | <0.1 | <0.02 |
| R-A-L0-1050 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-1100 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-1150 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-1200 | Soil | 10.0 | 40.0 | 0.66 | 158.3 | 0.055 | 4 | 1.32 | 0.119 | 0.11 | 0.1 | 4.2 | 0.08 | 0.05 | 103 | 0.6 | <0.02 | 4.4 | 0.96 | <0.1 | 0.02 |
| R-A-L0-1250 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L0-1300 | Soil | 14.8 | 45.5 | 0.73 | 204.1 | 0.046 | 5 | 1.59 | 0.015 | 0.07 | 0.2 | 5.0 | 0.14 | 0.10 | 106 | 2.1 | 0.04 | 5.0 | 1.49 | <0.1 | 0.03 |
| R-A-L0-1350 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L0-1400 | Soil | 11.4 | 30.3 | 0.53 | 160.6 | 0.032 | 6 | 1.13 | 0.012 | 0.07 | 0.1 | 2.9 | 0.09 | 0.11 | 151 | 0.9 | 0.04 | 3.5 | 1.22 | <0.1 | <0.02 |

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Project: non-given
 Report Date: July 19, 2010

Page: 7 of 13 Part 3

CERTIFICATE OF ANALYSIS

VAN10002972.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|--------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Nb | Rb | Sn | Ta | Zr | Y | Ce | In | Re | Be | Li | Pd | Pt |
| Unit | MDL | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppb | ppm | ppb | ppb | |
| | | 0.02 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 | 0.1 | 0.02 | 1 | 0.1 | 10 | 2 | |
| H-A-L5N-900 | Soil | 0.37 | 9.3 | 0.2 | <0.05 | 0.4 | 12.84 | 46.2 | <0.02 | <1 | 0.4 | 4.6 | <10 | <2 |
| H-A-L5N-1000 | Soil | 0.20 | 4.2 | 0.2 | <0.05 | 0.1 | 9.11 | 37.4 | 0.02 | <1 | 0.7 | 1.7 | <10 | <2 |
| H-A-L5N-1100 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L5N-1200 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L5N-1300 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L5N-1400 | Soil | 0.06 | 2.4 | 0.1 | <0.05 | 0.3 | 0.40 | 1.1 | <0.02 | <1 | <0.1 | 0.6 | <10 | 2 |
| H-A-L5N-1500 | Soil | 0.03 | 2.9 | <0.1 | <0.05 | 0.1 | 0.23 | 0.5 | <0.02 | 1 | <0.1 | 0.3 | <10 | <2 |
| H-A-L5N-1600 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| H-A-L5N-1700 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-0 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-100 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-200 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-300 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-400 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-500 | Soil | 0.78 | 10.8 | 0.3 | <0.05 | 0.9 | 3.15 | 14.0 | <0.02 | <1 | 0.3 | 8.0 | <10 | <2 |
| R-A-L0-600 | Soil | 0.51 | 8.4 | 0.2 | <0.05 | 0.6 | 1.48 | 5.7 | <0.02 | <1 | 0.1 | 5.2 | <10 | <2 |
| R-A-L0-700 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-800 | Soil | 0.47 | 12.5 | 1.0 | <0.05 | 0.4 | 1.54 | 7.6 | <0.02 | <1 | 0.3 | 9.1 | <10 | <2 |
| R-A-L0-850 | Soil | 0.31 | 5.4 | 0.2 | <0.05 | 0.1 | 0.75 | 3.5 | <0.02 | <1 | <0.1 | 3.4 | <10 | <2 |
| R-A-L0-900 | Soil | 0.87 | 14.1 | 0.3 | <0.05 | 1.0 | 5.16 | 15.1 | 0.02 | <1 | 0.4 | 11.0 | <10 | <2 |
| R-A-L0-950 | Soil | 0.50 | 11.3 | 0.4 | <0.05 | 0.3 | 1.54 | 8.3 | <0.02 | <1 | 0.1 | 7.2 | <10 | <2 |
| R-A-L0-1000 | Soil | 0.22 | 17.2 | 0.3 | <0.05 | 0.2 | 1.38 | 6.2 | <0.02 | <1 | 0.3 | 5.9 | <10 | <2 |
| R-A-L0-1050 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-1100 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-1150 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-1200 | Soil | 0.66 | 17.3 | 0.3 | <0.05 | 1.0 | 7.17 | 16.1 | <0.02 | <1 | 0.4 | 17.7 | <10 | <2 |
| R-A-L0-1250 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L0-1300 | Soil | 0.72 | 10.3 | 0.3 | <0.05 | 0.9 | 10.95 | 22.7 | <0.02 | <1 | 0.4 | 17.7 | <10 | <2 |
| R-A-L0-1350 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L0-1400 | Soil | 0.61 | 15.5 | 0.2 | <0.05 | 0.4 | 8.29 | 15.8 | <0.02 | <1 | 0.6 | 13.0 | <10 | <2 |

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Project: non-given
 Report Date: July 19, 2010

Page: 8 of 13 Part 1

CERTIFICATE OF ANALYSIS

VAN10002972.1

| Method | Analyte | 1F15 Mo | 1F15 Cu | 1F15 Pb | 1F15 Zn | 1F15 Ag | 1F15 Ni | 1F15 Co | 1F15 Mn | 1F15 Fe | 1F15 As | 1F15 U | 1F15 Au | 1F15 Th | 1F15 Sr | 1F15 Cd | 1F15 Sb | 1F15 Bi | 1F15 V | 1F15 Ca | 1F15 P |
|-------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|---------|---------|---------|---------|---------|---------|--------|---------|--------|
| Unit | MDL | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| | | 0.01 | 0.01 | 0.01 | 0.1 | 2 | 0.1 | 0.1 | 1 | 0.01 | 0.1 | 0.1 | 0.2 | 0.1 | 0.5 | 0.01 | 0.02 | 0.02 | 2 | 0.01 | 0.001 |
| R-A-L0-1450 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-1500 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-1550 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L0-1600 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L0-1650 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-1700 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-1750 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-1800 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-1850 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-1900 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L0-1950 | Soil | 1.15 | 14.90 | 6.83 | 58.4 | 529 | 10.6 | 5.1 | 1207 | 1.64 | 2.6 | 0.5 | 1.5 | 0.9 | 40.5 | 0.37 | 0.34 | 0.13 | 38 | 0.61 | 0.111 |
| R-A-L0-2000 | Soil | 1.15 | 19.88 | 6.12 | 56.4 | 185 | 15.8 | 8.4 | 793 | 1.79 | 2.8 | 1.0 | 2.8 | 1.0 | 45.4 | 0.75 | 0.30 | 0.10 | 40 | 0.72 | 0.145 |
| R-A-L0-2100 | Soil | 1.59 | 47.01 | 10.98 | 78.8 | 1038 | 25.9 | 14.9 | 1915 | 2.73 | 3.1 | 3.2 | 1.2 | 0.8 | 61.6 | 1.49 | 0.33 | 0.28 | 55 | 0.78 | 0.099 |
| R-A-L0-2200 | Soil | 1.19 | 21.82 | 6.03 | 47.3 | 506 | 12.4 | 6.1 | 388 | 1.29 | 2.2 | 3.3 | 1.6 | 0.2 | 71.0 | 0.79 | 0.24 | 0.14 | 23 | 1.38 | 0.122 |
| R-A-L0-2300 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-2400 | Soil | 1.52 | 12.69 | 7.60 | 95.1 | 739 | 4.5 | 2.7 | 4608 | 0.49 | 0.6 | 0.3 | 1.7 | 0.3 | 44.9 | 0.86 | 0.15 | 0.12 | 8 | 0.68 | 0.097 |
| R-A-L0-2500 | Soil | 1.57 | 13.43 | 8.70 | 84.3 | 1159 | 5.8 | 4.1 | 3547 | 0.74 | 1.0 | 0.4 | 0.7 | 0.3 | 48.7 | 0.80 | 0.15 | 0.13 | 13 | 0.85 | 0.112 |
| R-A-L10-000 | Soil | 0.63 | 8.30 | 6.80 | 42.8 | 299 | 5.8 | 2.3 | 219 | 1.04 | 1.8 | 0.1 | 1.9 | 0.2 | 29.7 | 0.30 | 0.28 | 0.09 | 30 | 0.34 | 0.098 |
| R-A-L10-100 | Soil | 0.73 | 9.98 | 8.60 | 49.4 | 896 | 4.8 | 2.5 | 500 | 0.49 | 0.9 | 0.1 | 0.8 | <0.1 | 61.0 | 0.59 | 0.20 | 0.07 | 11 | 0.56 | 0.108 |
| R-A-L10-200 | Soil | 0.73 | 8.70 | 8.51 | 68.1 | 780 | 4.6 | 2.4 | 2621 | 0.51 | 1.1 | 0.1 | 0.9 | <0.1 | 53.7 | 0.78 | 0.21 | 0.07 | 13 | 0.68 | 0.096 |
| R-A-L10-300 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L10-400 | Soil | 0.37 | 4.78 | 6.58 | 38.2 | 172 | 2.6 | 0.9 | 198 | 0.25 | 0.8 | <0.1 | 0.7 | <0.1 | 41.7 | 0.41 | 0.11 | 0.06 | 9 | 0.44 | 0.074 |
| R-A-L10-500 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L10-550 | Soil | 1.37 | 9.39 | 9.46 | 52.4 | 746 | 5.4 | 2.4 | 532 | 0.51 | 1.0 | 0.1 | 0.7 | <0.1 | 68.0 | 0.82 | 0.24 | 0.08 | 15 | 0.73 | 0.113 |
| R-A-L10-600 | Soil | 1.87 | 9.34 | 6.47 | 64.0 | 657 | 3.8 | 2.3 | 528 | 0.32 | 0.7 | <0.1 | 0.4 | 0.2 | 48.4 | 0.84 | 0.17 | 0.04 | 8 | 0.65 | 0.119 |
| R-A-L10-650 | Soil | 1.25 | 6.06 | 6.09 | 48.9 | 565 | 4.1 | 2.2 | 453 | 0.72 | 0.8 | 0.2 | 5.2 | <0.1 | 23.4 | 0.57 | 0.17 | 0.09 | 20 | 0.39 | 0.106 |
| R-A-L10-700 | Soil | 2.05 | 10.36 | 7.10 | 93.8 | 327 | 10.9 | 6.3 | 504 | 1.47 | 1.2 | 0.2 | 0.7 | 0.2 | 35.1 | 0.92 | 0.27 | 0.11 | 38 | 0.41 | 0.124 |
| R-A-L10-750 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L10-800 | Soil | 1.00 | 7.10 | 7.87 | 52.0 | 328 | 5.6 | 3.3 | 697 | 0.91 | 1.7 | 0.1 | 1.6 | 0.2 | 31.2 | 0.58 | 0.24 | 0.07 | 28 | 0.42 | 0.100 |
| R-A-L10-850 | Soil | 1.04 | 10.88 | 10.41 | 92.6 | 437 | 9.5 | 6.8 | 867 | 1.46 | 2.2 | 0.2 | 1.0 | 0.2 | 36.6 | 0.75 | 0.27 | 0.10 | 36 | 0.60 | 0.117 |

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Project: non-given
 Report Date: July 19, 2010

Page: 8 of 13 Part 2

CERTIFICATE OF ANALYSIS

VAN10002972.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|-------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Sc | Ti | S | Hg | Se | Te | Ga | Cs | Ge | Hf |
| Unit | | ppm | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | % | ppb | ppm | ppm | ppm | ppm | ppm | ppm | |
| MDL | | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.1 | 0.02 |
| R-A-L0-1450 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-1500 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-1550 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L0-1600 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L0-1650 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-1700 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-1750 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-1800 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-1850 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-1900 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L0-1950 | Soil | 9.5 | 19.9 | 0.31 | 165.7 | 0.045 | 3 | 0.86 | 0.008 | 0.07 | 0.1 | 1.7 | 0.07 | 0.04 | 388 | 0.3 | <0.02 | 4.5 | 0.73 | <0.1 | <0.02 |
| R-A-L0-2000 | Soil | 17.6 | 25.1 | 0.47 | 119.8 | 0.049 | 3 | 1.05 | 0.009 | 0.12 | 0.2 | 2.2 | 0.07 | 0.04 | 68 | 0.4 | <0.02 | 3.8 | 0.95 | <0.1 | <0.02 |
| R-A-L0-2100 | Soil | 31.5 | 36.3 | 0.63 | 354.4 | 0.034 | 2 | 1.95 | 0.008 | 0.12 | 0.1 | 3.7 | 0.14 | 0.03 | 58 | 0.4 | 0.03 | 6.8 | 1.34 | <0.1 | <0.02 |
| R-A-L0-2200 | Soil | 27.7 | 19.2 | 0.33 | 145.1 | 0.022 | 5 | 0.94 | 0.009 | 0.07 | 0.1 | 2.1 | 0.07 | 0.11 | 110 | 0.6 | 0.05 | 2.8 | 0.97 | <0.1 | <0.02 |
| R-A-L0-2300 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-2400 | Soil | 10.0 | 7.6 | 0.10 | 356.8 | 0.017 | 4 | 0.33 | 0.008 | 0.07 | 0.1 | 1.0 | 0.16 | 0.07 | 213 | 0.3 | <0.02 | 2.2 | 0.77 | <0.1 | <0.02 |
| R-A-L0-2500 | Soil | 8.3 | 9.7 | 0.17 | 290.0 | 0.021 | 4 | 0.40 | 0.008 | 0.10 | 0.1 | 1.2 | 0.14 | 0.08 | 195 | 0.4 | 0.03 | 2.2 | 0.89 | <0.1 | <0.02 |
| R-A-L10-000 | Soil | 4.3 | 14.9 | 0.14 | 104.1 | 0.037 | 2 | 0.63 | 0.008 | 0.05 | 0.1 | 1.1 | 0.03 | 0.05 | 122 | 0.4 | <0.02 | 2.6 | 0.43 | <0.1 | <0.02 |
| R-A-L10-100 | Soil | 3.6 | 9.9 | 0.12 | 305.8 | 0.016 | 4 | 0.43 | 0.012 | 0.06 | <0.1 | 0.8 | 0.04 | 0.06 | 187 | 0.5 | <0.02 | 1.4 | 0.47 | <0.1 | <0.02 |
| R-A-L10-200 | Soil | 2.9 | 8.9 | 0.11 | 250.0 | 0.018 | 5 | 0.40 | 0.010 | 0.09 | <0.1 | 0.9 | 0.06 | 0.07 | 236 | 0.4 | <0.02 | 1.4 | 0.43 | <0.1 | <0.02 |
| R-A-L10-300 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L10-400 | Soil | 2.4 | 5.4 | 0.07 | 143.1 | 0.015 | 2 | 0.29 | 0.013 | 0.05 | <0.1 | 0.8 | 0.02 | 0.06 | 143 | 0.4 | <0.02 | 1.1 | 0.17 | <0.1 | <0.02 |
| R-A-L10-500 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L10-550 | Soil | 3.1 | 8.9 | 0.15 | 304.8 | 0.020 | 5 | 0.48 | 0.028 | 0.07 | <0.1 | 0.8 | 0.04 | 0.07 | 202 | 0.5 | 0.02 | 1.5 | 0.41 | <0.1 | <0.02 |
| R-A-L10-600 | Soil | 2.1 | 6.5 | 0.14 | 165.8 | 0.015 | 5 | 0.26 | 0.009 | 0.08 | <0.1 | 1.1 | 0.03 | 0.10 | 173 | 0.5 | 0.03 | 0.8 | 0.25 | <0.1 | <0.02 |
| R-A-L10-650 | Soil | 4.8 | 12.4 | 0.12 | 116.4 | 0.025 | 3 | 0.51 | 0.011 | 0.07 | <0.1 | 0.7 | 0.04 | 0.04 | 110 | 0.4 | <0.02 | 2.5 | 0.34 | <0.1 | <0.02 |
| R-A-L10-700 | Soil | 6.3 | 22.3 | 0.29 | 154.7 | 0.039 | 2 | 0.91 | 0.011 | 0.08 | 0.1 | 1.3 | 0.05 | 0.03 | 68 | 0.3 | <0.02 | 3.9 | 0.70 | <0.1 | <0.02 |
| R-A-L10-750 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L10-800 | Soil | 3.3 | 16.0 | 0.12 | 133.4 | 0.028 | 5 | 0.48 | 0.010 | 0.07 | <0.1 | 1.3 | 0.05 | 0.06 | 133 | 0.7 | 0.02 | 1.8 | 0.34 | <0.1 | <0.02 |
| R-A-L10-850 | Soil | 4.7 | 18.0 | 0.20 | 282.4 | 0.034 | 4 | 0.94 | 0.010 | 0.07 | <0.1 | 1.4 | 0.06 | 0.05 | 188 | 0.4 | <0.02 | 3.2 | 0.60 | <0.1 | <0.02 |

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Project: non-given
 Report Date: July 19, 2010

Page: 8 of 13 Part 3

CERTIFICATE OF ANALYSIS

VAN10002972.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|-------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Nb | Rb | Sn | Ta | Zr | Y | Ce | In | Re | Be | Li | Pd | Pt |
| Unit | MDL | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppb | ppm | ppb | ppb | |
| | | 0.02 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 | 0.1 | 0.02 | 1 | 0.1 | 0.1 | 10 | |
| R-A-L0-1450 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | |
| R-A-L0-1500 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | |
| R-A-L0-1550 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | |
| R-A-L0-1600 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | |
| R-A-L0-1650 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | |
| R-A-L0-1700 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | |
| R-A-L0-1750 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | |
| R-A-L0-1800 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | |
| R-A-L0-1850 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | |
| R-A-L0-1900 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | |
| R-A-L0-1950 | Soil | 0.97 | 11.4 | 0.4 | <0.05 | 0.6 | 2.65 | 16.2 | <0.02 | <1 | 0.3 | 11.2 | <10 | <2 |
| R-A-L0-2000 | Soil | 0.61 | 20.5 | 0.3 | <0.05 | 0.3 | 6.14 | 33.4 | <0.02 | <1 | 0.4 | 12.7 | <10 | <2 |
| R-A-L0-2100 | Soil | 0.92 | 22.7 | 0.5 | <0.05 | 0.2 | 10.54 | 68.2 | 0.04 | <1 | 0.8 | 17.6 | <10 | <2 |
| R-A-L0-2200 | Soil | 0.69 | 12.3 | 0.3 | <0.05 | 0.2 | 11.74 | 40.5 | 0.02 | 3 | 0.4 | 10.9 | <10 | <2 |
| R-A-L0-2300 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L0-2400 | Soil | 0.29 | 8.3 | 0.3 | <0.05 | <0.1 | 1.51 | 16.1 | <0.02 | 2 | 0.1 | 1.5 | <10 | <2 |
| R-A-L0-2500 | Soil | 0.41 | 13.7 | 0.3 | <0.05 | <0.1 | 1.63 | 13.1 | <0.02 | <1 | <0.1 | 3.0 | <10 | <2 |
| R-A-L10-000 | Soil | 0.70 | 4.2 | 0.3 | <0.05 | 0.7 | 1.20 | 7.0 | <0.02 | <1 | <0.1 | 3.4 | <10 | <2 |
| R-A-L10-100 | Soil | 0.19 | 4.8 | 0.2 | <0.05 | <0.1 | 1.34 | 5.6 | <0.02 | 1 | 0.2 | 1.2 | <10 | <2 |
| R-A-L10-200 | Soil | 0.23 | 5.1 | 0.2 | <0.05 | <0.1 | 1.00 | 4.3 | <0.02 | <1 | <0.1 | 1.5 | <10 | <2 |
| R-A-L10-300 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L10-400 | Soil | 0.19 | 3.2 | 0.2 | <0.05 | 0.1 | 0.58 | 3.7 | <0.02 | <1 | <0.1 | 0.7 | <10 | <2 |
| R-A-L10-500 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L10-550 | Soil | 0.28 | 5.3 | 0.2 | <0.05 | 0.2 | 1.01 | 4.9 | <0.02 | <1 | <0.1 | 1.8 | <10 | <2 |
| R-A-L10-600 | Soil | 0.18 | 3.9 | 0.1 | <0.05 | 0.5 | 0.80 | 3.1 | <0.02 | <1 | <0.1 | 1.2 | <10 | <2 |
| R-A-L10-650 | Soil | 0.38 | 4.7 | 0.3 | <0.05 | 0.2 | 1.12 | 7.8 | <0.02 | <1 | <0.1 | 3.4 | <10 | <2 |
| R-A-L10-700 | Soil | 0.70 | 8.0 | 0.4 | <0.05 | 0.6 | 1.91 | 10.6 | <0.02 | 1 | 0.2 | 8.6 | <10 | <2 |
| R-A-L10-750 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L10-800 | Soil | 0.36 | 4.6 | 0.2 | <0.05 | 0.2 | 1.00 | 5.1 | <0.02 | 1 | 0.1 | 3.6 | <10 | <2 |
| R-A-L10-850 | Soil | 0.59 | 8.2 | 0.3 | <0.05 | 0.3 | 1.63 | 7.9 | <0.02 | <1 | 0.3 | 8.5 | <10 | <2 |

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Project: non-given
 Report Date: July 19, 2010

Page: 9 of 13 Part 1

CERTIFICATE OF ANALYSIS

VAN10002972.1

| Method | Analyte | Unit | MDL | 1F15 Mo | 1F15 Cu | 1F15 Pb | 1F15 Zn | 1F15 Ag | 1F15 Ni | 1F15 Co | 1F15 Mn | 1F15 Fe | 1F15 As | 1F15 U | 1F15 Au | 1F15 Th | 1F15 Sr | 1F15 Cd | 1F15 Sb | 1F15 Bi | 1F15 V | 1F15 Ca | 1F15 P |
|--------------|---------|------|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|---------|---------|---------|---------|---------|---------|--------|---------|--------|
| | | | | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| | | | | 0.01 | 0.01 | 0.01 | 0.1 | 2 | 0.1 | 0.1 | 1 | 0.01 | 0.1 | 0.1 | 0.2 | 0.1 | 0.5 | 0.01 | 0.02 | 0.02 | 2 | 0.01 | 0.001 |
| R-A-L10-900 | Soil | | | 0.84 | 12.95 | 11.29 | 84.9 | 266 | 8.3 | 4.8 | 2155 | 1.47 | 2.1 | 0.2 | 6.6 | 0.1 | 38.0 | 0.76 | 0.31 | 0.10 | 43 | 0.69 | 0.094 |
| R-A-L10-950 | Soil | | | 1.64 | 19.72 | 9.19 | 46.6 | 136 | 10.7 | 9.6 | 1707 | 1.18 | 1.9 | 0.1 | 1.1 | <0.1 | 146.0 | 2.78 | 0.24 | 0.10 | 30 | 1.89 | 0.116 |
| R-A-L10-1000 | Soil | | | 1.39 | 23.90 | 13.52 | 88.9 | 410 | 10.7 | 9.9 | 2066 | 1.64 | 2.7 | 0.2 | 1.5 | <0.1 | 46.0 | 1.97 | 0.30 | 0.12 | 39 | 0.67 | 0.119 |
| R-A-L10-1050 | Soil | | | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L10-1100 | Soil | | | 1.29 | 11.94 | 10.76 | 66.7 | 167 | 8.7 | 5.7 | 1765 | 1.61 | 2.2 | 0.2 | 330.4 | 0.4 | 30.8 | 0.31 | 0.23 | 0.14 | 44 | 0.55 | 0.099 |
| R-A-L10-1150 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L10-1200 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L10-1250 | Soil | | | 0.97 | 18.61 | 10.42 | 49.8 | 434 | 8.5 | 4.4 | 754 | 0.98 | 1.7 | 0.1 | <0.2 | <0.1 | 35.1 | 0.65 | 0.28 | 0.08 | 26 | 0.57 | 0.111 |
| R-A-L10-1300 | Soil | | | 0.89 | 24.81 | 10.33 | 61.5 | 340 | 11.8 | 7.5 | 721 | 2.10 | 2.7 | 0.3 | 0.4 | 0.3 | 41.2 | 0.64 | 0.30 | 0.13 | 50 | 0.51 | 0.121 |
| R-A-L10-1350 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L10-1400 | Soil | | | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L10-1450 | Soil | | | 1.55 | 45.34 | 5.91 | 52.4 | 216 | 18.3 | 7.1 | 673 | 1.39 | 3.9 | 3.4 | 4.1 | 0.2 | 123.5 | 1.39 | 0.43 | 0.09 | 35 | 2.50 | 0.132 |
| R-A-L10-1500 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L10-1550 | Soil | | | 1.40 | 49.74 | 9.04 | 85.2 | 254 | 29.3 | 17.3 | 1390 | 3.04 | 10.5 | 3.4 | 3.4 | 1.2 | 59.4 | 0.77 | 0.50 | 0.17 | 82 | 0.99 | 0.132 |
| R-A-L10-1600 | Soil | | | 0.90 | 27.93 | 4.55 | 130.5 | 255 | 11.3 | 4.9 | 1148 | 0.87 | 1.7 | 1.2 | 1.5 | 0.2 | 150.7 | 0.89 | 0.22 | 0.06 | 19 | 2.39 | 0.121 |
| R-A-L10-1650 | Soil | | | 0.84 | 62.64 | 7.55 | 125.1 | 231 | 18.3 | 11.6 | 1333 | 1.95 | 3.4 | 0.5 | 2.6 | <0.1 | 77.1 | 0.69 | 0.29 | 0.11 | 44 | 1.08 | 0.153 |
| R-A-L10-1700 | Soil | | | 0.47 | 11.29 | 5.67 | 53.1 | 590 | 4.0 | 1.3 | 398 | 0.42 | 0.6 | <0.1 | 0.3 | <0.1 | 25.3 | 0.74 | 0.12 | 0.07 | 11 | 0.38 | 0.065 |
| R-A-L10-1800 | Soil | | | 0.96 | 14.97 | 6.13 | 120.3 | 696 | 9.2 | 5.9 | 3136 | 0.77 | 1.3 | 0.2 | 0.6 | <0.1 | 97.1 | 2.15 | 0.16 | 0.09 | 16 | 1.39 | 0.110 |
| R-A-L10-1900 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L10-2000 | Soil | | | 1.46 | 25.58 | 13.44 | 87.4 | 190 | 24.8 | 29.9 | 1569 | 2.54 | 3.4 | 1.2 | 1.5 | 1.2 | 51.9 | 1.31 | 0.31 | 0.25 | 54 | 0.55 | 0.088 |
| R-A-L10-2100 | Soil | | | 1.20 | 27.89 | 12.05 | 88.7 | 139 | 27.2 | 15.6 | 939 | 2.67 | 4.1 | 2.5 | 1.0 | 2.6 | 55.5 | 0.29 | 0.28 | 0.24 | 53 | 0.64 | 0.115 |
| R-A-L10-2200 | Soil | | | 0.97 | 30.42 | 10.00 | 79.5 | 948 | 18.7 | 6.7 | 3056 | 1.06 | 1.5 | 0.3 | 1.7 | 0.1 | 52.6 | 1.81 | 0.28 | 0.10 | 24 | 0.74 | 0.135 |
| R-A-L10-2300 | Soil | | | 1.02 | 20.53 | 10.74 | 53.0 | 174 | 13.2 | 5.8 | 2283 | 1.50 | 3.0 | 0.3 | 3.3 | 0.6 | 25.9 | 0.61 | 0.40 | 0.14 | 39 | 0.36 | 0.082 |
| R-A-L10-2400 | Soil | | | 0.69 | 24.72 | 8.37 | 60.2 | 156 | 13.2 | 5.5 | 253 | 1.60 | 3.4 | 0.6 | 0.8 | 0.3 | 36.2 | 0.50 | 0.34 | 0.14 | 40 | 0.45 | 0.074 |
| R-A-L10-2500 | Soil | | | 1.92 | 36.34 | 6.61 | 77.6 | 345 | 18.1 | 9.3 | 596 | 1.84 | 3.9 | 0.7 | 1.6 | 0.4 | 74.3 | 0.68 | 0.42 | 0.11 | 44 | 1.15 | 0.145 |
| R-A-OR1-0 | Soil | | | 1.34 | 14.06 | 8.68 | 54.1 | 394 | 9.8 | 3.5 | 102 | 0.77 | 1.4 | 0.2 | 1.4 | 0.4 | 33.5 | 1.90 | 0.32 | 0.06 | 17 | 0.41 | 0.131 |
| R-A-OR1-100 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-OR1-200 | Soil | | | 1.03 | 8.69 | 5.31 | 96.1 | 1282 | 4.9 | 1.7 | 4545 | 0.17 | 0.4 | <0.1 | <0.2 | 0.1 | 38.5 | 0.85 | 0.15 | 0.04 | 5 | 1.18 | 0.113 |
| R-A-OR1-300 | Soil | | | 1.33 | 11.40 | 8.68 | 194.9 | 552 | 9.4 | 10.9 | >10000 | 0.22 | 0.7 | <0.1 | 0.5 | <0.1 | 52.5 | 1.10 | 0.18 | 0.05 | 4 | 2.20 | 0.143 |
| R-A-OR1-400 | Soil | | | 1.37 | 11.56 | 5.39 | 285.5 | 395 | 9.9 | 5.2 | >10000 | 0.39 | 0.8 | 0.1 | 0.8 | <0.1 | 91.0 | 1.69 | 0.18 | 0.05 | 10 | 3.07 | 0.115 |

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Project: non-given
 Report Date: July 19, 2010

Page: 9 of 13 Part 2

CERTIFICATE OF ANALYSIS

VAN10002972.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|--------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Sc | Tl | S | Hg | Se | Te | Ga | Cs | Ge | Hf |
| Unit | | ppm | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | % | ppb | ppm | ppm | ppm | ppm | ppm | ppm | |
| MDL | | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.1 | 0.02 |
| R-A-L10-900 | Soil | 3.1 | 23.2 | 0.13 | 235.3 | 0.024 | 3 | 0.64 | 0.011 | 0.08 | <0.1 | 0.8 | 0.05 | 0.07 | 240 | 0.2 | <0.02 | 2.3 | 0.24 | <0.1 | <0.02 |
| R-A-L10-950 | Soil | 2.8 | 15.5 | 0.34 | 456.2 | 0.020 | 3 | 0.58 | 0.009 | 0.12 | 0.1 | 0.7 | 0.03 | 0.11 | 142 | 0.3 | 0.03 | 2.1 | 0.36 | <0.1 | <0.02 |
| R-A-L10-1000 | Soil | 3.2 | 23.4 | 0.25 | 252.0 | 0.021 | 2 | 0.70 | 0.009 | 0.09 | 0.1 | 1.0 | 0.05 | 0.07 | 150 | 0.2 | 0.03 | 2.7 | 0.45 | <0.1 | <0.02 |
| R-A-L10-1050 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L10-1100 | Soil | 4.5 | 18.8 | 0.24 | 203.2 | 0.027 | 2 | 0.83 | 0.009 | 0.11 | 0.2 | 1.1 | 0.06 | 0.05 | 100 | <0.1 | <0.02 | 3.3 | 0.41 | <0.1 | <0.02 |
| R-A-L10-1150 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L10-1200 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L10-1250 | Soil | 2.1 | 14.5 | 0.19 | 222.5 | 0.015 | 3 | 0.54 | 0.010 | 0.09 | <0.1 | 0.6 | 0.04 | 0.13 | 240 | 0.2 | <0.02 | 1.7 | 0.60 | <0.1 | <0.02 |
| R-A-L10-1300 | Soil | 5.6 | 27.7 | 0.27 | 282.4 | 0.038 | 2 | 1.18 | 0.010 | 0.06 | 0.1 | 1.7 | <0.02 | 0.04 | 68 | 0.3 | <0.02 | 4.3 | 0.35 | <0.1 | <0.02 |
| R-A-L10-1350 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L10-1400 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L10-1450 | Soil | 9.2 | 23.3 | 0.40 | 148.8 | 0.018 | 7 | 0.82 | 0.014 | 0.06 | <0.1 | 1.6 | 0.09 | 0.19 | 167 | 1.2 | 0.04 | 1.9 | 0.56 | <0.1 | <0.02 |
| R-A-L10-1500 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L10-1550 | Soil | 12.1 | 56.1 | 0.85 | 155.2 | 0.048 | 2 | 1.84 | 0.013 | 0.10 | 0.1 | 5.5 | 0.10 | 0.05 | 84 | 0.9 | 0.02 | 5.1 | 1.02 | <0.1 | 0.02 |
| R-A-L10-1600 | Soil | 7.1 | 13.9 | 0.29 | 283.7 | 0.015 | 7 | 0.47 | 0.013 | 0.06 | <0.1 | 1.4 | 0.08 | 0.18 | 355 | 0.7 | <0.02 | 1.2 | 0.64 | <0.1 | <0.02 |
| R-A-L10-1650 | Soil | 7.3 | 28.4 | 0.49 | 307.8 | 0.024 | 4 | 1.09 | 0.011 | 0.14 | 0.1 | 1.0 | 0.12 | 0.10 | 157 | 0.2 | <0.02 | 3.3 | 1.10 | <0.1 | <0.02 |
| R-A-L10-1700 | Soil | 2.2 | 7.4 | 0.07 | 150.4 | 0.011 | 3 | 0.33 | 0.006 | 0.06 | <0.1 | 0.4 | 0.05 | 0.09 | 189 | 0.2 | 0.03 | 1.1 | 0.36 | <0.1 | <0.02 |
| R-A-L10-1800 | Soil | 2.6 | 11.9 | 0.17 | 348.9 | 0.019 | 5 | 0.47 | 0.010 | 0.14 | <0.1 | 0.9 | 0.08 | 0.12 | 314 | 0.3 | 0.03 | 1.8 | 0.57 | <0.1 | <0.02 |
| R-A-L10-1900 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L10-2000 | Soil | 10.0 | 40.9 | 0.62 | 133.5 | 0.057 | 2 | 1.58 | 0.010 | 0.20 | 0.2 | 3.4 | 0.22 | 0.08 | 68 | 0.2 | 0.04 | 5.6 | 2.38 | <0.1 | <0.02 |
| R-A-L10-2100 | Soil | 17.0 | 39.3 | 0.69 | 172.6 | 0.061 | 1 | 1.88 | 0.009 | 0.16 | 0.3 | 4.2 | 0.17 | 0.04 | 89 | 0.3 | <0.02 | 5.4 | 2.09 | <0.1 | <0.02 |
| R-A-L10-2200 | Soil | 9.8 | 19.8 | 0.32 | 260.5 | 0.029 | 4 | 0.64 | 0.011 | 0.14 | 0.2 | 1.6 | 0.13 | 0.11 | 190 | 0.3 | 0.03 | 2.6 | 0.94 | <0.1 | <0.02 |
| R-A-L10-2300 | Soil | 7.7 | 25.5 | 0.28 | 202.8 | 0.040 | 2 | 0.87 | 0.010 | 0.08 | 0.1 | 2.0 | 0.19 | 0.05 | 141 | 0.2 | <0.02 | 4.2 | 0.51 | <0.1 | <0.02 |
| R-A-L10-2400 | Soil | 10.6 | 27.3 | 0.30 | 143.8 | 0.027 | 1 | 0.92 | 0.009 | 0.09 | 0.2 | 1.5 | 0.05 | 0.03 | 72 | 0.2 | 0.03 | 4.1 | 0.94 | <0.1 | <0.02 |
| R-A-L10-2500 | Soil | 10.9 | 25.5 | 0.47 | 170.2 | 0.038 | 5 | 0.96 | 0.011 | 0.10 | 0.2 | 2.3 | 0.06 | 0.09 | 83 | 0.3 | 0.02 | 3.0 | 0.77 | <0.1 | <0.02 |
| R-A-OR1-0 | Soil | 3.9 | 12.7 | 0.18 | 132.6 | 0.026 | 6 | 0.53 | 0.018 | 0.12 | <0.1 | 1.7 | 0.03 | 0.12 | 298 | 0.3 | <0.02 | 1.5 | 0.34 | <0.1 | <0.02 |
| R-A-OR1-100 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-OR1-200 | Soil | 1.1 | 4.2 | 0.09 | 122.6 | 0.009 | 6 | 0.19 | 0.010 | 0.08 | <0.1 | 0.7 | 0.05 | 0.14 | 430 | 0.4 | <0.02 | 0.6 | 0.27 | <0.1 | <0.02 |
| R-A-OR1-300 | Soil | 1.7 | 3.4 | 0.09 | 434.5 | 0.005 | 10 | 0.36 | 0.006 | 0.09 | <0.1 | 0.6 | 0.08 | 0.16 | 895 | 0.5 | 0.03 | 0.9 | 0.23 | <0.1 | <0.02 |
| R-A-OR1-400 | Soil | 1.5 | 7.6 | 0.16 | 423.5 | 0.011 | 9 | 0.45 | 0.009 | 0.05 | <0.1 | 0.6 | 0.12 | 0.13 | 622 | 0.5 | <0.02 | 1.6 | 0.58 | <0.1 | <0.02 |

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



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Project: non-given
 Report Date: July 19, 2010

Page: 9 of 13 Part 3

CERTIFICATE OF ANALYSIS

VAN10002972.1

| Method | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|--------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Analyte | Nb | Rb | Sn | Ta | Zr | Y | Ce | In | Re | Be | Li | Pd | Pt | |
| Unit | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppb | ppm | ppb | ppb | ppb | |
| MDL | 0.02 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 | 0.1 | 0.02 | 1 | 0.1 | 0.1 | 10 | 2 | |
| R-A-L10-900 | Soil | 0.46 | 3.5 | 0.3 | <0.05 | 0.3 | 1.11 | 5.2 | <0.02 | <1 | 0.2 | 3.9 | <10 | <2 |
| R-A-L10-950 | Soil | 0.36 | 9.5 | 0.2 | <0.05 | 0.3 | 1.42 | 4.0 | <0.02 | <1 | 0.2 | 4.8 | <10 | <2 |
| R-A-L10-1000 | Soil | 0.46 | 6.0 | 0.3 | <0.05 | 0.3 | 1.56 | 6.0 | <0.02 | <1 | 0.2 | 5.3 | <10 | <2 |
| R-A-L10-1050 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L10-1100 | Soil | 0.56 | 8.5 | 0.4 | <0.05 | 0.3 | 1.09 | 7.5 | <0.02 | <1 | 0.1 | 7.0 | <10 | <2 |
| R-A-L10-1150 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L10-1200 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L10-1250 | Soil | 0.20 | 10.9 | 0.2 | <0.05 | <0.1 | 0.92 | 3.5 | <0.02 | <1 | 0.1 | 3.2 | <10 | <2 |
| R-A-L10-1300 | Soil | 0.65 | 5.9 | 0.3 | <0.05 | 0.6 | 2.26 | 9.6 | <0.02 | <1 | 0.4 | 5.7 | <10 | <2 |
| R-A-L10-1350 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L10-1400 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L10-1450 | Soil | 0.45 | 8.2 | 0.1 | <0.05 | 1.0 | 8.56 | 11.2 | <0.02 | <1 | 0.4 | 7.5 | <10 | <2 |
| R-A-L10-1500 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L10-1550 | Soil | 0.70 | 13.7 | 0.4 | <0.05 | 1.1 | 8.88 | 20.0 | 0.02 | <1 | 0.6 | 20.2 | <10 | <2 |
| R-A-L10-1600 | Soil | 0.27 | 8.9 | 0.1 | <0.05 | 0.6 | 4.74 | 9.3 | <0.02 | <1 | 0.2 | 3.8 | <10 | <2 |
| R-A-L10-1650 | Soil | 0.47 | 21.5 | 0.3 | <0.05 | 0.2 | 3.39 | 13.6 | <0.02 | <1 | 0.3 | 11.1 | <10 | <2 |
| R-A-L10-1700 | Soil | 0.19 | 7.3 | 0.2 | <0.05 | <0.1 | 0.54 | 3.7 | <0.02 | <1 | <0.1 | 0.7 | <10 | <2 |
| R-A-L10-1800 | Soil | 0.54 | 9.6 | 0.2 | <0.05 | 0.3 | 0.89 | 4.3 | <0.02 | <1 | 0.1 | 3.2 | <10 | <2 |
| R-A-L10-1900 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L10-2000 | Soil | 1.83 | 64.3 | 0.5 | <0.05 | 0.7 | 2.79 | 17.3 | 0.03 | <1 | 0.4 | 17.4 | <10 | <2 |
| R-A-L10-2100 | Soil | 1.84 | 30.9 | 0.5 | <0.05 | 1.0 | 6.96 | 28.7 | 0.03 | <1 | 0.6 | 24.4 | <10 | <2 |
| R-A-L10-2200 | Soil | 0.59 | 10.1 | 0.3 | <0.05 | 0.2 | 4.57 | 16.6 | <0.02 | <1 | 0.1 | 4.5 | <10 | <2 |
| R-A-L10-2300 | Soil | 0.65 | 6.1 | 0.4 | <0.05 | 0.5 | 1.84 | 12.2 | <0.02 | <1 | <0.1 | 5.1 | <10 | <2 |
| R-A-L10-2400 | Soil | 0.64 | 10.5 | 0.4 | <0.05 | 0.5 | 3.49 | 17.0 | <0.02 | <1 | 0.2 | 7.4 | <10 | <2 |
| R-A-L10-2500 | Soil | 0.68 | 10.0 | 0.3 | <0.05 | 0.4 | 4.78 | 16.8 | <0.02 | <1 | 0.2 | 10.9 | <10 | <2 |
| R-A-OR1-0 | Soil | 0.39 | 4.0 | 0.2 | <0.05 | 0.9 | 1.48 | 6.1 | <0.02 | <1 | <0.1 | 2.4 | <10 | <2 |
| R-A-OR1-100 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-OR1-200 | Soil | 0.10 | 4.2 | 0.1 | <0.05 | 0.2 | 0.35 | 1.7 | <0.02 | <1 | <0.1 | 0.4 | <10 | <2 |
| R-A-OR1-300 | Soil | 0.06 | 5.6 | 0.1 | <0.05 | 0.2 | 1.05 | 6.1 | <0.02 | <1 | <0.1 | 0.5 | <10 | <2 |
| R-A-OR1-400 | Soil | 0.16 | 8.6 | <0.1 | <0.05 | 0.1 | 0.68 | 2.7 | <0.02 | <1 | <0.1 | 1.9 | <10 | <2 |

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Project: non-given
 Report Date: July 19, 2010

Page: 10 of 13 Part 1

CERTIFICATE OF ANALYSIS

VAN10002972.1

| Method | Analyte | Unit | MDL | 1F15 Mo | 1F15 Cu | 1F15 Pb | 1F15 Zn | 1F15 Ag | 1F15 Ni | 1F15 Co | 1F15 Mn | 1F15 Fe | 1F15 As | 1F15 U | 1F15 Au | 1F15 Th | 1F15 Sr | 1F15 Cd | 1F15 Sb | 1F15 Bi | 1F15 V | 1F15 Ca | 1F15 P |
|--------------|---------|------|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|---------|---------|---------|---------|---------|---------|--------|---------|--------|
| | | | | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| | | | | 0.01 | 0.01 | 0.01 | 0.1 | 2 | 0.1 | 0.1 | 1 | 0.01 | 0.1 | 0.1 | 0.2 | 0.1 | 0.5 | 0.01 | 0.02 | 0.02 | 2 | 0.01 | 0.001 |
| R-A-OR1-500 | Soil | | | 0.98 | 11.58 | 5.74 | 58.8 | 839 | 6.1 | 2.6 | 430 | 0.59 | 0.8 | 0.1 | 0.5 | 0.1 | 49.1 | 0.86 | 0.15 | 0.05 | 15 | 0.65 | 0.090 |
| R-A-OR1-600 | Soil | | | 1.51 | 13.03 | 11.90 | 53.3 | 586 | 6.3 | 4.9 | 959 | 0.53 | 0.8 | 0.1 | 1.0 | <0.1 | 57.4 | 0.62 | 0.23 | 0.07 | 13 | 0.66 | 0.120 |
| R-A-OR1-700 | Soil | | | 0.72 | 10.18 | 7.06 | 66.5 | 564 | 7.3 | 3.4 | 383 | 0.61 | 0.9 | 0.1 | 0.7 | <0.1 | 65.7 | 0.24 | 0.19 | 0.06 | 17 | 0.73 | 0.069 |
| R-A-OR1-800 | Soil | | | 0.90 | 7.33 | 5.70 | 44.1 | 865 | 3.6 | 1.4 | 267 | 0.24 | 0.5 | <0.1 | 0.3 | <0.1 | 25.9 | 0.28 | 0.19 | 0.05 | 7 | 0.42 | 0.098 |
| R-A-OR1-900 | Soil | | | 0.72 | 31.07 | 4.24 | 92.1 | 613 | 13.6 | 2.9 | 580 | 0.74 | 0.7 | 0.5 | 0.6 | 0.1 | 129.3 | 1.44 | 0.39 | 0.05 | 16 | 2.30 | 0.100 |
| R-A-OR1-1000 | Soil | | | 0.88 | 11.80 | 8.71 | 79.8 | 504 | 5.6 | 4.2 | 5509 | 0.47 | 0.8 | 0.1 | 0.8 | <0.1 | 59.3 | 0.56 | 0.25 | 0.07 | 15 | 0.67 | 0.098 |
| R-A-OR1-1100 | Soil | | | 1.16 | 14.57 | 11.58 | 109.5 | 561 | 7.4 | 6.3 | 1296 | 0.71 | 0.9 | 0.2 | 0.4 | 0.1 | 51.1 | 0.84 | 0.27 | 0.09 | 20 | 0.70 | 0.098 |
| R-A-OR1-1200 | Soil | | | 1.16 | 8.12 | 7.64 | 48.3 | 851 | 3.7 | 1.8 | 185 | 0.21 | 0.4 | <0.1 | 0.6 | <0.1 | 37.4 | 0.45 | 0.15 | 0.05 | 5 | 0.47 | 0.081 |
| R-A-OR1-1300 | Soil | | | 1.01 | 15.07 | 7.67 | 92.3 | 382 | 7.6 | 4.4 | 173 | 0.80 | 1.2 | 0.3 | 0.5 | <0.1 | 48.2 | 0.57 | 0.22 | 0.08 | 19 | 0.56 | 0.108 |
| R-A-OR1-1400 | Soil | | | 1.31 | 12.48 | 9.48 | 58.9 | 883 | 5.6 | 3.3 | 726 | 0.34 | 0.5 | 0.1 | 0.6 | 0.2 | 59.2 | 0.52 | 0.23 | 0.05 | 9 | 0.78 | 0.111 |
| R-A-OR1-1500 | Soil | | | 1.62 | 7.76 | 3.90 | 67.7 | 288 | 5.1 | 1.5 | 188 | 0.34 | 0.8 | <0.1 | 1.1 | <0.1 | 30.2 | 0.48 | 0.14 | 0.04 | 9 | 0.45 | 0.077 |
| R-A-OR1-1600 | Soil | | | 1.35 | 11.78 | 10.57 | 51.6 | 598 | 6.6 | 3.3 | 1023 | 0.62 | 1.0 | 0.1 | 0.8 | <0.1 | 37.8 | 0.77 | 0.20 | 0.20 | 17 | 0.53 | 0.089 |
| R-A-OR1-1700 | Soil | | | 2.99 | 7.38 | 11.05 | 91.6 | 381 | 6.4 | 4.4 | 1375 | 0.69 | 0.7 | 0.2 | 1.7 | 0.4 | 53.3 | 0.63 | 0.23 | 0.09 | 19 | 0.71 | 0.089 |
| R-A-OR1-1800 | Soil | | | 1.66 | 59.10 | 6.82 | 87.5 | 1175 | 34.7 | 11.6 | 1009 | 2.14 | 3.2 | 1.2 | 1.7 | 0.1 | 130.7 | 1.98 | 0.71 | 0.11 | 48 | 2.02 | 0.195 |
| R-A-OR1-1900 | Soil | | | 0.81 | 13.67 | 11.25 | 91.6 | 191 | 8.1 | 3.6 | 778 | 0.48 | 0.5 | 0.2 | 0.5 | <0.1 | 81.9 | 0.85 | 0.19 | 0.09 | 10 | 0.93 | 0.096 |
| R-A-OR1-2000 | Soil | | | 1.18 | 13.24 | 4.75 | 112.0 | 256 | 4.4 | 1.3 | 2133 | 0.16 | 0.2 | <0.1 | 0.5 | <0.1 | 73.5 | 1.69 | 0.11 | 0.03 | 3 | 1.36 | 0.120 |
| R-A-OR1-2100 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-OR1-2200 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-OR1-2300 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-OR1-2400 | Soil | | | 1.35 | 6.14 | 11.69 | 62.1 | 250 | 4.1 | 1.2 | 801 | 0.30 | 0.4 | <0.1 | 1.0 | 0.1 | 24.2 | 0.43 | 0.24 | 0.08 | 8 | 0.46 | 0.131 |
| R-A-OR1-2500 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-OR1-2600 | Soil | | | 2.04 | 13.48 | 6.66 | 12.5 | 283 | 6.1 | 2.8 | 204 | 0.36 | 0.9 | 0.1 | <0.2 | 0.1 | 74.5 | 0.63 | 0.19 | 0.05 | 7 | 1.14 | 0.137 |
| R-A-OR1-2700 | Soil | | | 1.27 | 63.74 | 6.19 | 109.3 | 218 | 28.7 | 17.1 | 2239 | 3.07 | 13.2 | 2.1 | 4.0 | 0.7 | 75.5 | 1.19 | 0.82 | 0.12 | 81 | 1.37 | 0.164 |
| R-A-OR1-2800 | Soil | | | 0.98 | 63.71 | 6.36 | 86.5 | 207 | 31.7 | 17.0 | 635 | 2.96 | 7.7 | 2.2 | 5.3 | 1.3 | 53.5 | 0.61 | 0.72 | 0.11 | 88 | 0.88 | 0.156 |
| R-A-OR1-2900 | Soil | | | 3.39 | 75.47 | 5.99 | 114.1 | 400 | 23.4 | 9.5 | 550 | 2.06 | 10.8 | 2.9 | 4.1 | 0.2 | 60.8 | 2.41 | 0.80 | 0.10 | 82 | 1.02 | 0.232 |
| R-A-OR1-3000 | Soil | | | 2.16 | 53.87 | 8.99 | 52.5 | 285 | 25.0 | 21.0 | 5595 | 2.58 | 10.1 | 4.2 | 2.2 | 0.2 | 145.1 | 1.39 | 0.51 | 0.14 | 34 | 2.73 | 0.212 |
| R-A-OR1-3100 | Soil | | | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-OR2-0 | Soil | | | 2.47 | 12.38 | 3.13 | 29.7 | 30 | 3.5 | 1.2 | 311 | 0.22 | 0.8 | 0.6 | 0.2 | 0.1 | 100.4 | 0.66 | 0.17 | 0.03 | 12 | 2.19 | 0.111 |
| R-A-OR2-100 | Soil | | | 2.24 | 5.20 | 1.80 | 19.5 | 10 | 1.3 | 0.9 | 105 | 0.08 | 0.8 | 0.6 | 0.4 | <0.1 | 83.3 | 0.50 | 0.09 | <0.02 | 3 | 2.34 | 0.108 |
| R-A-OR2-200 | Soil | | | 1.02 | 6.77 | 9.36 | 51.1 | 261 | 3.1 | 1.0 | 348 | 0.16 | 0.3 | <0.1 | <0.2 | <0.1 | 23.3 | 0.47 | 0.22 | 0.05 | 3 | 0.45 | 0.137 |

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Project: non-given
 Report Date: July 19, 2010

Page: 10 of 13 Part 2

CERTIFICATE OF ANALYSIS

VAN10002972.1

| Method | Analyte | 1F15 La ppm | 1F15 Cr ppm | 1F15 Mg % | 1F15 Ba ppm | 1F15 Ti % | 1F15 B ppm | 1F15 Al % | 1F15 Na % | 1F15 K % | 1F15 W ppm | 1F15 Sc ppm | 1F15 Ti ppm | 1F15 S % | 1F15 Hg ppb | 1F15 Se ppm | 1F15 Te ppm | 1F15 Ga ppm | 1F15 Cs ppm | 1F15 Ge ppm | 1F15 Hf ppm |
|--------------|---------|-------------------|-------------------|-----------------|-------------------|-----------------|------------------|-----------------|-----------------|----------------|------------------|-------------------|-------------------|----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Unit | MDL | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.1 | 0.02 |
| R-A-OR1-500 | Soil | 2.1 | 8.5 | 0.13 | 163.4 | 0.020 | 3 | 0.48 | 0.006 | 0.06 | <0.1 | 0.9 | 0.03 | 0.10 | 234 | 0.3 | <0.02 | 1.3 | 0.27 | <0.1 | 0.02 |
| R-A-OR1-600 | Soil | 2.8 | 8.7 | 0.15 | 224.2 | 0.016 | 4 | 0.46 | 0.011 | 0.10 | 0.1 | 0.7 | 0.05 | 0.12 | 237 | 0.1 | <0.02 | 1.4 | 0.34 | <0.1 | <0.02 |
| R-A-OR1-700 | Soil | 4.6 | 10.0 | 0.16 | 154.6 | 0.020 | 3 | 0.51 | 0.008 | 0.06 | <0.1 | 0.9 | 0.03 | 0.06 | 186 | 0.3 | <0.02 | 1.5 | 0.26 | <0.1 | <0.02 |
| R-A-OR1-800 | Soil | 1.3 | 4.8 | 0.06 | 94.2 | 0.009 | 3 | 0.35 | 0.010 | 0.07 | <0.1 | 0.6 | 0.03 | 0.08 | 208 | 0.4 | 0.02 | 0.9 | 0.20 | <0.1 | <0.02 |
| R-A-OR1-900 | Soil | 6.9 | 12.6 | 0.34 | 255.4 | 0.013 | 5 | 0.57 | 0.009 | 0.07 | <0.1 | 1.6 | 0.04 | 0.12 | 255 | 0.7 | 0.05 | 1.6 | 0.33 | <0.1 | <0.02 |
| R-A-OR1-1000 | Soil | 3.2 | 8.9 | 0.12 | 304.4 | 0.019 | 3 | 0.42 | 0.011 | 0.09 | <0.1 | 0.7 | 0.09 | 0.09 | 307 | 0.4 | <0.02 | 1.8 | 0.35 | <0.1 | <0.02 |
| R-A-OR1-1100 | Soil | 4.4 | 12.2 | 0.15 | 253.8 | 0.027 | 3 | 0.50 | 0.008 | 0.08 | <0.1 | 1.2 | 0.06 | 0.07 | 261 | 0.3 | <0.02 | 2.2 | 0.34 | <0.1 | <0.02 |
| R-A-OR1-1200 | Soil | 1.1 | 4.0 | 0.07 | 138.8 | 0.007 | 3 | 0.21 | 0.010 | 0.05 | <0.1 | 0.7 | 0.03 | 0.09 | 192 | 0.3 | <0.02 | 0.6 | 0.29 | <0.1 | <0.02 |
| R-A-OR1-1300 | Soil | 4.5 | 13.8 | 0.14 | 195.9 | 0.013 | 3 | 0.57 | 0.008 | 0.10 | <0.1 | 0.8 | 0.05 | 0.09 | 178 | 0.3 | 0.04 | 2.1 | 0.51 | <0.1 | <0.02 |
| R-A-OR1-1400 | Soil | 3.9 | 5.3 | 0.12 | 181.8 | 0.015 | 4 | 0.30 | 0.011 | 0.08 | <0.1 | 0.9 | 0.05 | 0.11 | 231 | 0.3 | <0.02 | 0.9 | 0.30 | <0.1 | <0.02 |
| R-A-OR1-1500 | Soil | 1.5 | 6.3 | 0.09 | 174.6 | 0.012 | 4 | 0.30 | 0.009 | 0.04 | <0.1 | 0.9 | 0.03 | 0.09 | 241 | 0.4 | <0.02 | 0.8 | 0.18 | <0.1 | <0.02 |
| R-A-OR1-1600 | Soil | 2.6 | 10.4 | 0.12 | 202.0 | 0.021 | 2 | 0.49 | 0.008 | 0.08 | <0.1 | 0.8 | 0.04 | 0.07 | 167 | 0.3 | <0.02 | 1.8 | 0.35 | <0.1 | <0.02 |
| R-A-OR1-1700 | Soil | 4.9 | 13.6 | 0.15 | 299.0 | 0.042 | 4 | 0.45 | 0.010 | 0.10 | <0.1 | 1.3 | 0.05 | 0.06 | 146 | 0.5 | <0.02 | 1.9 | 0.52 | <0.1 | <0.02 |
| R-A-OR1-1800 | Soil | 18.5 | 33.8 | 0.78 | 326.9 | 0.021 | 5 | 1.95 | 0.012 | 0.13 | 0.1 | 2.4 | 0.09 | 0.14 | 193 | 0.8 | 0.04 | 4.6 | 0.78 | <0.1 | 0.02 |
| R-A-OR1-1900 | Soil | 3.1 | 9.1 | 0.13 | 409.8 | 0.015 | 4 | 0.32 | 0.008 | 0.08 | <0.1 | 0.7 | 0.03 | 0.07 | 208 | 0.4 | <0.02 | 0.9 | 0.33 | <0.1 | <0.02 |
| R-A-OR1-2000 | Soil | 1.2 | 2.9 | 0.14 | 227.8 | 0.005 | 7 | 0.15 | 0.009 | 0.10 | <0.1 | 0.6 | 0.03 | 0.14 | 219 | 0.3 | <0.02 | 0.4 | 0.12 | <0.1 | <0.02 |
| R-A-OR1-2100 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-OR1-2200 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-OR1-2300 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-OR1-2400 | Soil | 1.8 | 5.7 | 0.08 | 111.6 | 0.014 | 5 | 0.34 | 0.010 | 0.08 | <0.1 | 0.7 | 0.07 | 0.11 | 254 | 0.6 | <0.02 | 0.9 | 0.33 | <0.1 | <0.02 |
| R-A-OR1-2500 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-OR1-2600 | Soil | 1.5 | 6.1 | 0.13 | 224.1 | 0.010 | 4 | 0.27 | 0.009 | 0.08 | <0.1 | 0.9 | 0.03 | 0.17 | 285 | 0.6 | <0.02 | 0.6 | 0.22 | <0.1 | 0.02 |
| R-A-OR1-2700 | Soil | 9.8 | 52.6 | 0.78 | 204.7 | 0.063 | 5 | 1.64 | 0.015 | 0.11 | 0.1 | 6.0 | 0.11 | 0.10 | 132 | 1.4 | 0.03 | 4.9 | 1.06 | <0.1 | 0.02 |
| R-A-OR1-2800 | Soil | 10.5 | 62.8 | 0.87 | 175.8 | 0.077 | 3 | 1.79 | 0.015 | 0.07 | 0.2 | 6.5 | 0.10 | 0.07 | 106 | 1.2 | <0.02 | 5.3 | 1.19 | <0.1 | 0.04 |
| R-A-OR1-2900 | Soil | 10.2 | 39.8 | 0.50 | 180.3 | 0.029 | 4 | 1.19 | 0.016 | 0.09 | <0.1 | 3.2 | 0.19 | 0.33 | 195 | 2.7 | <0.02 | 3.0 | 1.20 | <0.1 | <0.02 |
| R-A-OR1-3000 | Soil | 10.2 | 25.9 | 0.46 | 315.7 | 0.017 | 7 | 1.15 | 0.015 | 0.12 | <0.1 | 1.9 | 0.17 | 0.24 | 184 | 1.8 | 0.05 | 2.7 | 0.90 | <0.1 | <0.02 |
| R-A-OR1-3100 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-OR2-0 | Soil | 1.9 | 3.5 | 0.15 | 69.1 | 0.004 | 9 | 0.13 | 0.013 | 0.08 | <0.1 | 0.8 | 0.03 | 0.14 | 153 | 0.5 | <0.02 | 0.3 | 0.13 | <0.1 | <0.02 |
| R-A-OR2-100 | Soil | <0.5 | 2.6 | 0.16 | 40.0 | 0.002 | 10 | 0.06 | 0.012 | 0.07 | <0.1 | 0.4 | <0.02 | 0.14 | 141 | 0.7 | <0.02 | 0.2 | 0.06 | <0.1 | <0.02 |
| R-A-OR2-200 | Soil | 0.7 | 3.3 | 0.06 | 100.8 | 0.007 | 5 | 0.20 | 0.015 | 0.09 | <0.1 | 0.7 | 0.04 | 0.13 | 405 | 0.5 | <0.02 | 0.4 | 0.40 | <0.1 | <0.02 |

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Project: non-given
 Report Date: July 19, 2010

Page: 10 of 13 Part 3

CERTIFICATE OF ANALYSIS

VAN10002972.1

| Method | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|--------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Analyte | Nb | Rb | Sn | Ta | Zr | Y | Ce | In | Re | Be | Li | Pd | Pt | |
| Unit | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppb | ppm | ppb | ppb | ppb | |
| MDL | 0.02 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 | 0.1 | 0.02 | 1 | 0.1 | 0.1 | 10 | 2 | |
| R-A-OR1-500 | Soil | 0.29 | 4.4 | 0.1 | <0.05 | 1.0 | 1.01 | 3.1 | <0.02 | <1 | <0.1 | 2.1 | <10 | <2 |
| R-A-OR1-600 | Soil | 0.25 | 4.0 | 0.2 | <0.05 | 0.1 | 1.05 | 4.7 | <0.02 | <1 | <0.1 | 1.9 | <10 | <2 |
| R-A-OR1-700 | Soil | 0.32 | 3.5 | 0.2 | <0.05 | 0.4 | 2.59 | 7.6 | <0.02 | <1 | 0.1 | 1.8 | <10 | <2 |
| R-A-OR1-800 | Soil | 0.13 | 3.0 | 0.2 | <0.05 | <0.1 | 0.40 | 2.1 | <0.02 | <1 | <0.1 | 0.5 | <10 | <2 |
| R-A-OR1-900 | Soil | 0.22 | 4.6 | 0.2 | <0.05 | 0.5 | 5.53 | 8.3 | <0.02 | <1 | 0.2 | 2.0 | <10 | <2 |
| R-A-OR1-1000 | Soil | 0.15 | 5.3 | 0.2 | <0.05 | <0.1 | 1.03 | 5.3 | <0.02 | <1 | <0.1 | 1.2 | <10 | <2 |
| R-A-OR1-1100 | Soil | 0.37 | 4.7 | 0.2 | <0.05 | 0.4 | 1.53 | 7.2 | <0.02 | <1 | 0.1 | 2.2 | <10 | <2 |
| R-A-OR1-1200 | Soil | 0.09 | 2.9 | 0.2 | <0.05 | 0.3 | 0.46 | 1.7 | <0.02 | <1 | <0.1 | 0.4 | <10 | <2 |
| R-A-OR1-1300 | Soil | 0.23 | 5.6 | 0.2 | <0.05 | 0.1 | 1.90 | 6.8 | <0.02 | <1 | 0.2 | 1.7 | <10 | <2 |
| R-A-OR1-1400 | Soil | 0.16 | 5.5 | 0.2 | <0.05 | 0.4 | 2.07 | 6.5 | <0.02 | <1 | <0.1 | 0.8 | <10 | <2 |
| R-A-OR1-1500 | Soil | 0.15 | 1.6 | 0.1 | <0.05 | 0.4 | 0.51 | 2.3 | <0.02 | <1 | <0.1 | 0.5 | <10 | <2 |
| R-A-OR1-1600 | Soil | 0.31 | 5.7 | 0.2 | <0.05 | 0.3 | 0.92 | 4.1 | <0.02 | <1 | 0.1 | 1.7 | <10 | <2 |
| R-A-OR1-1700 | Soil | 0.50 | 7.8 | 0.3 | <0.05 | 0.3 | 1.28 | 8.0 | <0.02 | <1 | <0.1 | 2.9 | <10 | <2 |
| R-A-OR1-1800 | Soil | 0.70 | 12.4 | 0.3 | <0.05 | 0.8 | 12.24 | 24.1 | <0.02 | 1 | 0.5 | 10.8 | <10 | <2 |
| R-A-OR1-1900 | Soil | 0.16 | 3.0 | 0.2 | <0.05 | <0.1 | 1.07 | 4.9 | <0.02 | <1 | 0.2 | 1.1 | <10 | <2 |
| R-A-OR1-2000 | Soil | 0.06 | 1.3 | 0.2 | <0.05 | 0.4 | 1.00 | 1.8 | <0.02 | <1 | <0.1 | 0.6 | <10 | <2 |
| R-A-OR1-2100 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-OR1-2200 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-OR1-2300 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-OR1-2400 | Soil | 0.15 | 2.5 | 0.2 | <0.05 | 0.2 | 0.44 | 3.0 | <0.02 | <1 | <0.1 | 1.0 | <10 | <2 |
| R-A-OR1-2500 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-OR1-2600 | Soil | 0.13 | 2.2 | 0.2 | <0.05 | 0.6 | 0.96 | 2.3 | <0.02 | <1 | 0.1 | 1.0 | <10 | <2 |
| R-A-OR1-2700 | Soil | 0.74 | 11.9 | 0.3 | <0.05 | 1.3 | 8.53 | 16.4 | <0.02 | <1 | 0.5 | 15.8 | <10 | <2 |
| R-A-OR1-2800 | Soil | 0.76 | 8.7 | 0.3 | <0.05 | 1.8 | 8.86 | 17.9 | <0.02 | 1 | 0.5 | 19.1 | <10 | <2 |
| R-A-OR1-2900 | Soil | 0.51 | 8.4 | 0.3 | <0.05 | 0.6 | 10.84 | 16.6 | <0.02 | <1 | 0.6 | 9.0 | <10 | <2 |
| R-A-OR1-3000 | Soil | 0.53 | 11.6 | 0.2 | <0.05 | 0.5 | 8.86 | 16.2 | <0.02 | 5 | 0.5 | 10.4 | <10 | <2 |
| R-A-OR1-3100 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-OR2-0 | Soil | 0.06 | 2.9 | <0.1 | <0.05 | 0.4 | 1.73 | 2.1 | <0.02 | 1 | 0.1 | 0.8 | <10 | <2 |
| R-A-OR2-100 | Soil | 0.03 | 1.0 | <0.1 | <0.05 | 0.2 | 0.47 | 0.6 | <0.02 | <1 | <0.1 | 0.4 | <10 | <2 |
| R-A-OR2-200 | Soil | 0.08 | 4.4 | 0.2 | <0.05 | 0.3 | 0.23 | 1.1 | <0.02 | <1 | <0.1 | 0.4 | <10 | <2 |

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Project: non-given
 Report Date: July 19, 2010

Page: 11 of 13 Part 1

CERTIFICATE OF ANALYSIS

VAN10002972.1

| Method | Analyte | Unit | MDL | 1F15 Mo | 1F15 Cu | 1F15 Pb | 1F15 Zn | 1F15 Ag | 1F15 Ni | 1F15 Co | 1F15 Mn | 1F15 Fe | 1F15 As | 1F15 U | 1F15 Au | 1F15 Th | 1F15 Sr | 1F15 Cd | 1F15 Sb | 1F15 Bi | 1F15 V | 1F15 Ca | 1F15 P |
|--------------|---------|------|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|---------|---------|---------|---------|---------|---------|--------|---------|--------|
| | | | | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| | | | | 0.01 | 0.01 | 0.01 | 0.1 | 2 | 0.1 | 0.1 | 1 | 0.01 | 0.1 | 0.1 | 0.2 | 0.1 | 0.5 | 0.01 | 0.02 | 0.02 | 2 | 0.01 | 0.001 |
| R-A-OR2-300 | Soil | | | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-OR2-400 | Soil | | | 1.16 | 10.07 | 10.62 | 149.7 | 98 | 2.7 | 1.4 | 1654 | 0.12 | 0.2 | <0.1 | <0.2 | <0.1 | 69.4 | 0.55 | 0.15 | 0.05 | 2 | 1.13 | 0.136 |
| R-A-OR2-500 | Soil | | | 1.38 | 11.30 | 9.06 | 48.2 | 169 | 5.0 | 3.4 | 1713 | 0.42 | 0.9 | 0.1 | <0.2 | <0.1 | 58.2 | 1.03 | 0.35 | 0.07 | 10 | 0.94 | 0.168 |
| R-A-OR2-600 | Soil | | | 4.79 | 9.04 | 1.38 | 7.0 | 35 | 2.1 | 0.7 | 654 | 0.05 | 0.4 | 2.3 | <0.2 | <0.1 | 98.1 | 0.37 | 0.09 | <0.02 | 13 | 2.84 | 0.129 |
| R-A-OR2-700 | Soil | | | 3.14 | 13.12 | 6.31 | 18.7 | 273 | 3.7 | 2.8 | 313 | 0.30 | 0.9 | <0.1 | 0.6 | <0.1 | 122.5 | 1.12 | 0.24 | 0.06 | 9 | 2.38 | 0.130 |
| R-A-OR2-800 | Soil | | | 1.07 | 9.78 | 10.06 | 137.5 | 382 | 6.7 | 3.4 | 7039 | 0.29 | 0.6 | <0.1 | <0.2 | 0.1 | 101.9 | 1.46 | 0.25 | 0.08 | 4 | 1.56 | 0.157 |
| R-A-OR2-900 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-OR2-1000 | Soil | | | 1.15 | 19.99 | 13.05 | 55.1 | 121 | 10.5 | 5.0 | 502 | 1.43 | 3.2 | 0.3 | 1.0 | <0.1 | 38.5 | 0.29 | 0.38 | 0.13 | 38 | 0.53 | 0.158 |
| R-A-OR2-1100 | Soil | | | 1.20 | 17.28 | 13.77 | 92.3 | 268 | 13.5 | 8.0 | 866 | 1.90 | 3.2 | 0.2 | 3.1 | 0.2 | 27.1 | 0.36 | 0.33 | 0.14 | 51 | 0.38 | 0.126 |
| R-A-OR2-1200 | Soil | | | 1.09 | 10.72 | 6.59 | 71.7 | 153 | 5.7 | 3.0 | 1257 | 0.59 | 0.4 | <0.1 | <0.2 | 0.1 | 53.2 | 0.26 | 0.15 | 0.05 | 14 | 0.92 | 0.144 |
| R-A-OR2-1300 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-OR2-1400 | Soil | | | 4.01 | 15.50 | 6.49 | 21.7 | 113 | 9.3 | 5.2 | 417 | 1.08 | 1.8 | 0.2 | 1.2 | <0.1 | 72.1 | 0.27 | 0.28 | 0.06 | 33 | 1.42 | 0.113 |
| R-A-OR2-1500 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-OR2-1600 | Soil | | | 2.62 | 36.71 | 4.15 | 47.1 | 199 | 15.9 | 14.6 | 3568 | 1.34 | 5.0 | 1.8 | 1.2 | 0.1 | 114.0 | 2.18 | 0.37 | 0.07 | 32 | 2.11 | 0.204 |
| R-A-OR2-1700 | Soil | | | 1.28 | 41.03 | 7.32 | 66.5 | 303 | 23.1 | 11.0 | 1245 | 2.13 | 6.5 | 2.6 | 3.4 | 0.4 | 101.3 | 1.17 | 0.49 | 0.12 | 55 | 1.65 | 0.137 |
| R-A-OR2-1800 | Soil | | | 0.62 | 5.45 | 5.57 | 17.9 | 155 | 2.0 | 0.6 | 93 | 0.09 | 0.4 | <0.1 | <0.2 | <0.1 | 72.8 | 0.17 | 0.18 | 0.04 | <2 | 0.61 | 0.118 |
| R-A-OR2-1900 | Soil | | | 1.04 | 4.99 | 7.89 | 35.1 | 282 | 2.2 | 0.6 | 53 | 0.14 | 0.5 | 0.2 | 0.6 | <0.1 | 77.2 | 0.23 | 0.20 | 0.06 | 3 | 0.67 | 0.123 |
| R-A-OR2-2000 | Soil | | | 1.40 | 10.42 | 10.54 | 34.7 | 241 | 4.9 | 2.5 | 378 | 0.48 | 1.0 | 0.1 | 0.5 | 0.2 | 36.9 | 0.31 | 0.24 | 0.07 | 10 | 0.50 | 0.135 |
| R-A-OR2-2100 | Soil | | | 1.03 | 6.08 | 10.59 | 50.4 | 57 | 5.2 | 2.0 | 194 | 0.48 | 1.1 | 0.2 | <0.2 | 0.3 | 22.6 | 0.22 | 0.25 | 0.09 | 8 | 0.25 | 0.152 |
| R-A-OR2-2200 | Soil | | | 1.26 | 6.63 | 8.58 | 50.1 | 359 | 3.7 | 1.6 | 683 | 0.30 | 0.3 | <0.1 | 0.2 | 0.1 | 14.6 | 0.27 | 0.16 | 0.08 | 7 | 0.24 | 0.178 |
| R-A-OR2-2300 | Soil | | | 1.04 | 5.47 | 9.91 | 44.3 | 58 | 4.1 | 1.7 | 192 | 0.38 | 0.6 | 0.2 | 0.7 | 0.6 | 25.8 | 0.23 | 0.18 | 0.08 | 8 | 0.29 | 0.107 |
| R-A-OR2-2400 | Soil | | | 1.47 | 8.02 | 9.61 | 55.5 | 905 | 4.3 | 1.7 | 1309 | 0.27 | 0.5 | <0.1 | <0.2 | 0.2 | 24.3 | 0.42 | 0.21 | 0.06 | 4 | 0.57 | 0.173 |
| R-A-OR2-2500 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-OR2-2600 | Soil | | | 1.15 | 11.79 | 12.09 | 92.0 | 950 | 4.7 | 2.1 | 1470 | 0.47 | 0.6 | 0.4 | 0.5 | 0.6 | 63.5 | 0.82 | 0.28 | 0.09 | 8 | 1.00 | 0.097 |
| R-A-OR2-2700 | Soil | | | 1.17 | 7.21 | 7.52 | 92.7 | 164 | 2.6 | 0.8 | 1098 | 0.21 | 0.6 | <0.1 | <0.2 | 0.2 | 22.5 | 0.24 | 0.20 | 0.06 | 3 | 0.49 | 0.173 |
| R-A-OR2-2800 | Soil | | | 1.31 | 5.81 | 5.54 | 59.2 | 433 | 2.3 | 0.9 | 382 | 0.11 | 0.3 | <0.1 | 0.6 | <0.1 | 28.2 | 0.23 | 0.11 | 0.04 | <2 | 0.50 | 0.138 |
| R-A-OR2-2900 | Soil | | | 1.15 | 4.63 | 4.71 | 47.9 | 403 | 2.2 | 0.5 | 334 | 0.10 | 0.3 | <0.1 | 5.6 | 0.1 | 11.8 | 0.11 | 0.14 | 0.20 | 3 | 0.34 | 0.179 |
| R-A-OR2-3000 | Soil | | | 0.64 | 2.85 | 5.54 | 30.9 | 255 | 1.6 | 0.5 | 351 | 0.08 | 0.5 | <0.1 | <0.2 | 0.1 | 15.2 | 0.20 | 0.10 | 0.10 | <2 | 0.27 | 0.065 |
| R-A-OR2-3100 | Soil | | | 0.71 | 4.54 | 2.40 | 54.9 | 455 | 1.1 | 0.2 | 590 | 0.05 | 0.4 | <0.1 | 0.4 | <0.1 | 4.1 | 0.29 | 0.05 | 0.05 | <2 | 0.23 | 0.103 |
| R-A-L5-0 | Soil | | | 1.42 | 8.85 | 6.30 | 32.3 | 299 | 3.7 | 1.9 | 57 | 0.25 | 0.2 | 0.2 | <0.2 | <0.1 | 53.6 | 0.29 | 0.22 | 0.06 | 4 | 0.56 | 0.131 |

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



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Project: non-given
 Report Date: July 19, 2010

Page: 11 of 13 Part 2

CERTIFICATE OF ANALYSIS

VAN10002972.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|--------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Sc | Tl | S | Hg | Se | Te | Ga | Cs | Ge | Hf |
| Unit | | ppm | ppm | % | ppm | % | ppm | % | % | ppm | ppm | ppm | % | ppb | ppm | ppm | ppm | ppm | ppm | ppm | |
| MDL | | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.02 | |
| R-A-OR2-300 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | |
| R-A-OR2-400 | Soil | 0.5 | 2.9 | 0.07 | 366.2 | 0.005 | 6 | 0.14 | 0.013 | 0.09 | <0.1 | 0.6 | 0.03 | 0.16 | 300 | 0.3 | <0.02 | 0.3 | 0.15 | <0.1 | <0.02 |
| R-A-OR2-500 | Soil | 1.1 | 6.8 | 0.12 | 225.6 | 0.012 | 5 | 0.31 | 0.007 | 0.09 | <0.1 | 0.9 | 0.06 | 0.16 | 486 | 0.5 | <0.02 | 0.8 | 0.38 | <0.1 | <0.02 |
| R-A-OR2-600 | Soil | <0.5 | 4.9 | 0.14 | 73.3 | 0.002 | 13 | 0.05 | 0.008 | 0.09 | <0.1 | 0.5 | <0.02 | 0.19 | 132 | 0.8 | <0.02 | 0.2 | 0.09 | <0.1 | <0.02 |
| R-A-OR2-700 | Soil | 0.9 | 5.0 | 0.24 | 171.4 | 0.009 | 7 | 0.19 | 0.011 | 0.06 | <0.1 | 0.8 | 0.04 | 0.20 | 253 | 0.6 | <0.02 | 0.5 | 0.30 | <0.1 | <0.02 |
| R-A-OR2-800 | Soil | 1.5 | 5.8 | 0.10 | 559.4 | 0.012 | 5 | 0.37 | 0.010 | 0.08 | <0.1 | 0.9 | 0.17 | 0.16 | 467 | 0.6 | 0.02 | 0.9 | 0.39 | <0.1 | <0.02 |
| R-A-OR2-900 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-OR2-1000 | Soil | 4.8 | 18.7 | 0.28 | 187.3 | 0.020 | 4 | 0.87 | 0.015 | 0.16 | 0.1 | 0.8 | 0.09 | 0.09 | 210 | 0.6 | <0.02 | 3.4 | 0.69 | <0.1 | <0.02 |
| R-A-OR2-1100 | Soil | 6.8 | 26.4 | 0.30 | 152.4 | 0.050 | 3 | 1.08 | 0.009 | 0.07 | 0.2 | 1.6 | 0.08 | 0.05 | 131 | 0.3 | <0.02 | 3.8 | 0.93 | <0.1 | <0.02 |
| R-A-OR2-1200 | Soil | 2.0 | 9.2 | 0.15 | 248.0 | 0.019 | 5 | 0.36 | 0.011 | 0.11 | <0.1 | 1.0 | 0.03 | 0.12 | 160 | 0.2 | <0.02 | 1.1 | 0.43 | <0.1 | <0.02 |
| R-A-OR2-1300 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-OR2-1400 | Soil | 2.4 | 17.6 | 0.33 | 193.2 | 0.033 | 6 | 0.63 | 0.012 | 0.09 | 0.1 | 1.2 | 0.03 | 0.16 | 118 | 0.4 | <0.02 | 2.2 | 0.60 | <0.1 | 0.03 |
| R-A-OR2-1500 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-OR2-1600 | Soil | 6.3 | 22.5 | 0.39 | 200.5 | 0.026 | 7 | 0.67 | 0.020 | 0.16 | <0.1 | 1.9 | 0.10 | 0.16 | 104 | 0.8 | 0.03 | 1.9 | 0.86 | <0.1 | <0.02 |
| R-A-OR2-1700 | Soil | 10.0 | 41.9 | 0.63 | 159.2 | 0.048 | 5 | 1.43 | 0.014 | 0.11 | 0.1 | 3.4 | 0.09 | 0.12 | 138 | 1.8 | 0.03 | 3.8 | 0.89 | <0.1 | 0.02 |
| R-A-OR2-1800 | Soil | 0.5 | 2.3 | 0.04 | 270.9 | 0.004 | 4 | 0.08 | 0.011 | 0.07 | <0.1 | 1.0 | 0.02 | 0.12 | 342 | 0.3 | <0.02 | 0.2 | 0.21 | <0.1 | <0.02 |
| R-A-OR2-1900 | Soil | 0.8 | 2.6 | 0.06 | 164.8 | 0.005 | 4 | 0.14 | 0.009 | 0.07 | <0.1 | 0.8 | 0.03 | 0.12 | 240 | 0.4 | <0.02 | 0.3 | 0.16 | <0.1 | <0.02 |
| R-A-OR2-2000 | Soil | 1.8 | 8.8 | 0.10 | 250.8 | 0.016 | 4 | 0.34 | 0.017 | 0.08 | <0.1 | 1.2 | 0.04 | 0.10 | 310 | 0.6 | <0.02 | 1.0 | 0.29 | <0.1 | <0.02 |
| R-A-OR2-2100 | Soil | 2.5 | 6.7 | 0.10 | 69.9 | 0.013 | 2 | 0.42 | 0.011 | 0.10 | <0.1 | 1.1 | 0.05 | 0.08 | 219 | 0.5 | <0.02 | 1.0 | 0.41 | <0.1 | <0.02 |
| R-A-OR2-2200 | Soil | 2.1 | 5.4 | 0.08 | 68.3 | 0.011 | 3 | 0.50 | 0.012 | 0.09 | <0.1 | 0.8 | 0.11 | 0.09 | 175 | 0.4 | <0.02 | 0.9 | 0.49 | <0.1 | <0.02 |
| R-A-OR2-2300 | Soil | 3.8 | 5.9 | 0.08 | 127.7 | 0.013 | 2 | 0.34 | 0.010 | 0.08 | <0.1 | 0.9 | 0.06 | 0.08 | 167 | 0.2 | <0.02 | 1.3 | 0.63 | <0.1 | <0.02 |
| R-A-OR2-2400 | Soil | 1.7 | 4.2 | 0.09 | 208.2 | 0.010 | 3 | 0.23 | 0.015 | 0.13 | <0.1 | 0.8 | 0.13 | 0.12 | 431 | 0.4 | <0.02 | 0.6 | 0.52 | <0.1 | <0.02 |
| R-A-OR2-2500 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-OR2-2600 | Soil | 5.3 | 6.2 | 0.19 | 415.7 | 0.022 | 3 | 0.35 | 0.010 | 0.08 | <0.1 | 1.1 | 0.15 | 0.12 | 421 | 0.3 | <0.02 | 1.3 | 0.84 | <0.1 | <0.02 |
| R-A-OR2-2700 | Soil | 1.4 | 3.3 | 0.08 | 108.8 | 0.008 | 3 | 0.18 | 0.011 | 0.12 | <0.1 | 0.8 | 0.12 | 0.12 | 363 | 0.4 | <0.02 | 0.5 | 0.34 | <0.1 | <0.02 |
| R-A-OR2-2800 | Soil | 1.0 | 2.5 | 0.06 | 75.1 | 0.004 | 4 | 0.17 | 0.014 | 0.10 | <0.1 | 0.6 | 0.06 | 0.12 | 215 | 0.4 | <0.02 | 0.3 | 0.20 | <0.1 | <0.02 |
| R-A-OR2-2900 | Soil | 0.8 | 1.8 | 0.06 | 50.1 | 0.004 | 5 | 0.15 | 0.014 | 0.21 | <0.1 | 0.6 | 0.09 | 0.13 | 392 | 0.4 | <0.02 | 0.4 | 0.35 | <0.1 | <0.02 |
| R-A-OR2-3000 | Soil | 1.6 | 1.4 | 0.03 | 95.2 | 0.003 | 5 | 0.15 | 0.009 | 0.05 | <0.1 | 0.3 | 0.04 | 0.09 | 225 | 0.4 | <0.02 | 0.2 | 0.22 | <0.1 | <0.02 |
| R-A-OR2-3100 | Soil | <0.5 | 1.3 | 0.03 | 17.0 | 0.002 | 3 | 0.09 | 0.012 | 0.09 | <0.1 | 0.4 | 0.10 | 0.11 | 150 | 0.2 | <0.02 | 0.1 | 0.26 | <0.1 | <0.02 |
| R-A-L5-0 | Soil | 3.1 | 3.6 | 0.09 | 123.4 | 0.007 | 7 | 0.28 | 0.013 | 0.09 | <0.1 | 0.9 | 0.02 | 0.11 | 189 | 0.5 | <0.02 | 0.6 | 0.19 | <0.1 | <0.02 |

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Project: non-given
 Report Date: July 19, 2010

Page: 11 of 13 Part 3

CERTIFICATE OF ANALYSIS

VAN10002972.1

| Method | Analyte | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|--------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | Nb | Rb | Sn | Ta | Zr | Y | Ce | In | Re | Be | Li | Pd | Pt |
| Unit | MDL | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppb | ppm | ppb | ppb | |
| | | 0.02 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 | 0.1 | 0.02 | 1 | 0.1 | 10 | 2 | |
| R-A-OR2-300 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | |
| R-A-OR2-400 | Soil | 0.05 | 2.5 | 0.1 | <0.05 | 0.3 | 0.23 | 0.9 | <0.02 | <1 | <0.1 | 0.5 | <10 | <2 |
| R-A-OR2-500 | Soil | 0.20 | 5.1 | 0.2 | <0.05 | 0.3 | 0.52 | 1.9 | <0.02 | <1 | <0.1 | 1.4 | <10 | <2 |
| R-A-OR2-600 | Soil | 0.03 | 1.5 | <0.1 | <0.05 | 0.3 | 0.18 | 0.4 | <0.02 | <1 | <0.1 | 0.3 | <10 | <2 |
| R-A-OR2-700 | Soil | 0.11 | 2.3 | 0.2 | <0.05 | 0.6 | 0.66 | 1.4 | <0.02 | <1 | <0.1 | 0.9 | <10 | <2 |
| R-A-OR2-800 | Soil | 0.14 | 7.2 | 0.2 | <0.05 | 0.2 | 0.53 | 2.3 | <0.02 | <1 | <0.1 | 1.1 | <10 | <2 |
| R-A-OR2-900 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-OR2-1000 | Soil | 0.35 | 13.0 | 0.5 | <0.05 | <0.1 | 1.46 | 8.2 | <0.02 | 1 | 0.2 | 7.3 | <10 | <2 |
| R-A-OR2-1100 | Soil | 0.65 | 11.2 | 0.5 | <0.05 | 0.3 | 1.86 | 11.6 | <0.02 | <1 | 0.2 | 8.5 | <10 | <2 |
| R-A-OR2-1200 | Soil | 0.20 | 8.7 | 0.2 | <0.05 | 0.3 | 0.75 | 3.1 | <0.02 | <1 | <0.1 | 2.6 | <10 | <2 |
| R-A-OR2-1300 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-OR2-1400 | Soil | 0.48 | 8.4 | 0.2 | <0.05 | 0.9 | 1.10 | 4.1 | <0.02 | <1 | <0.1 | 5.0 | <10 | <2 |
| R-A-OR2-1500 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-OR2-1600 | Soil | 0.36 | 15.3 | 0.2 | <0.05 | 0.2 | 5.16 | 9.6 | <0.02 | <1 | 0.3 | 6.9 | <10 | <2 |
| R-A-OR2-1700 | Soil | 0.82 | 15.0 | 0.3 | <0.05 | 0.9 | 6.99 | 15.3 | <0.02 | 1 | 0.4 | 14.1 | <10 | <2 |
| R-A-OR2-1800 | Soil | 0.05 | 2.1 | 0.1 | <0.05 | 0.3 | 0.19 | 0.8 | <0.02 | <1 | <0.1 | 0.3 | <10 | <2 |
| R-A-OR2-1900 | Soil | 0.08 | 3.1 | 0.2 | <0.05 | 0.4 | 0.41 | 1.2 | <0.02 | <1 | <0.1 | 0.3 | <10 | <2 |
| R-A-OR2-2000 | Soil | 0.17 | 3.5 | 0.3 | <0.05 | 0.4 | 0.72 | 3.1 | <0.02 | <1 | <0.1 | 1.3 | <10 | <2 |
| R-A-OR2-2100 | Soil | 0.24 | 4.8 | 0.3 | <0.05 | 0.2 | 0.92 | 4.3 | <0.02 | <1 | <0.1 | 1.2 | <10 | <2 |
| R-A-OR2-2200 | Soil | 0.16 | 6.0 | 0.4 | <0.05 | <0.1 | 0.47 | 3.4 | <0.02 | <1 | <0.1 | 1.4 | <10 | <2 |
| R-A-OR2-2300 | Soil | 0.30 | 5.7 | 0.3 | <0.05 | 0.3 | 0.73 | 6.5 | <0.02 | <1 | 0.2 | 1.5 | <10 | <2 |
| R-A-OR2-2400 | Soil | 0.14 | 6.3 | 0.2 | <0.05 | 0.3 | 0.59 | 2.9 | <0.02 | <1 | <0.1 | 0.9 | <10 | <2 |
| R-A-OR2-2500 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-OR2-2600 | Soil | 0.57 | 9.5 | 0.4 | <0.05 | 0.2 | 1.49 | 8.5 | <0.02 | <1 | 0.1 | 1.9 | <10 | <2 |
| R-A-OR2-2700 | Soil | 0.12 | 6.0 | 0.2 | <0.05 | 0.3 | 0.41 | 2.3 | <0.02 | <1 | <0.1 | 0.5 | <10 | <2 |
| R-A-OR2-2800 | Soil | 0.06 | 4.0 | 0.1 | <0.05 | 0.3 | 0.32 | 1.6 | <0.02 | <1 | <0.1 | 0.2 | <10 | <2 |
| R-A-OR2-2900 | Soil | 0.07 | 12.6 | 0.2 | <0.05 | 0.2 | 0.22 | 1.3 | <0.02 | <1 | <0.1 | 0.3 | <10 | <2 |
| R-A-OR2-3000 | Soil | 0.04 | 3.5 | 0.1 | <0.05 | 0.2 | 0.27 | 1.8 | <0.02 | <1 | <0.1 | 0.1 | <10 | <2 |
| R-A-OR2-3100 | Soil | 0.03 | 9.8 | <0.1 | <0.05 | <0.1 | 0.11 | 0.5 | <0.02 | 1 | <0.1 | <0.1 | <10 | <2 |
| R-A-L5-0 | Soil | 0.10 | 3.5 | 0.3 | <0.05 | 0.3 | 1.85 | 6.7 | <0.02 | <1 | <0.1 | 0.6 | <10 | <2 |

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Project: non-given
 Report Date: July 19, 2010

Page: 12 of 13 Part 1

CERTIFICATE OF ANALYSIS

VAN10002972.1

| Method | Analyte | 1F15 Mo | 1F15 Cu | 1F15 Pb | 1F15 Zn | 1F15 Ag | 1F15 Ni | 1F15 Co | 1F15 Mn | 1F15 Fe | 1F15 As | 1F15 U | 1F15 Au | 1F15 Th | 1F15 Sr | 1F15 Cd | 1F15 Sb | 1F15 Bi | 1F15 V | 1F15 Ca | 1F15 P |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|---------|---------|---------|---------|---------|---------|--------|---------|--------|
| Unit | MDL | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| R-A-L5E-100 | Soil | 2.08 | 12.13 | 8.11 | 17.4 | 569 | 4.9 | 1.4 | 355 | 0.35 | 0.8 | <0.1 | <0.2 | 0.1 | 37.1 | 0.87 | 0.16 | 0.06 | 6 | 0.61 | 0.074 |
| R-A-L5-200 | Soil | 1.70 | 5.34 | 5.58 | 53.0 | 927 | 2.8 | 1.1 | 328 | 0.08 | 0.3 | <0.1 | <0.2 | <0.1 | 18.0 | 0.94 | 0.11 | 0.04 | <2 | 0.35 | 0.120 |
| R-A-L5E-300 | Soil | 1.64 | 45.04 | 5.78 | 60.0 | 934 | 27.3 | 14.0 | 303 | 2.52 | 2.8 | 1.0 | 0.3 | 0.2 | 66.7 | 0.34 | 0.59 | 0.13 | 43 | 0.61 | 0.150 |
| R-A-L5-400 | Soil | 1.35 | 8.28 | 9.64 | 50.5 | 770 | 4.0 | 3.7 | 5206 | 0.42 | 0.7 | <0.1 | <0.2 | <0.1 | 67.8 | 0.57 | 0.14 | 0.08 | 12 | 0.86 | 0.107 |
| R-A-L5E-500 | Soil | 1.16 | 16.33 | 7.69 | 65.4 | 599 | 9.6 | 4.0 | 453 | 0.97 | 1.0 | 0.4 | 1.1 | <0.1 | 37.6 | 0.27 | 0.23 | 0.10 | 23 | 0.55 | 0.101 |
| R-A-L5-600 | Soil | 1.00 | 12.33 | 7.08 | 57.9 | 208 | 8.5 | 4.7 | 928 | 1.03 | 1.4 | 0.2 | <0.2 | 0.2 | 35.3 | 0.42 | 0.22 | 0.07 | 27 | 0.67 | 0.088 |
| R-A-L5E-700 | Soil | 0.94 | 11.40 | 2.67 | 238.2 | 202 | 2.5 | 4.7 | 695 | 0.10 | 0.2 | <0.1 | <0.2 | <0.1 | 103.4 | 2.16 | 0.05 | 0.03 | 2 | 1.84 | 0.144 |
| R-A-L5-800 | Soil | 0.91 | 9.96 | 7.40 | 105.6 | 371 | 6.6 | 4.5 | 2537 | 0.95 | 1.5 | 0.1 | <0.2 | <0.1 | 35.3 | 0.50 | 0.24 | 0.08 | 28 | 0.62 | 0.107 |
| R-A-L5E-850 | Soil | 0.86 | 10.19 | 9.39 | 59.5 | 544 | 7.5 | 3.6 | 3318 | 0.66 | 1.0 | <0.1 | 1.7 | <0.1 | 61.8 | 0.70 | 0.15 | 0.06 | 16 | 0.91 | 0.132 |
| R-A-L5-900 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L5-950 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L5-1000 | Soil | 0.72 | 15.92 | 10.04 | 95.7 | 290 | 14.7 | 9.2 | 1008 | 2.64 | 3.5 | 0.2 | 32.7 | 0.2 | 22.2 | 0.30 | 0.31 | 0.13 | 71 | 0.29 | 0.126 |
| R-A-L5E-1050 | Soil | 0.93 | 6.34 | 7.92 | 59.3 | 188 | 2.8 | 0.9 | 487 | 0.28 | 0.3 | <0.1 | 3.2 | 0.2 | 13.6 | 0.29 | 0.12 | 0.06 | 7 | 0.43 | 0.116 |
| R-A-L5-1100 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L5-1150 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L5-1200 | Soil | 1.00 | 9.67 | 10.60 | 75.7 | 319 | 5.0 | 2.5 | 808 | 0.67 | 1.4 | 0.1 | 2.5 | <0.1 | 22.5 | 0.40 | 0.18 | 0.08 | 18 | 0.40 | 0.116 |
| R-A-L5-1250 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L5-1300 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L5E-1350 | Soil | 1.36 | 37.86 | 4.36 | 53.4 | 171 | 19.3 | 11.5 | 1308 | 2.09 | 6.3 | 1.7 | 2.4 | 0.2 | 89.8 | 0.71 | 0.34 | 0.08 | 49 | 1.72 | 0.134 |
| R-A-L5E-1400 | Soil | 2.19 | 48.83 | 6.12 | 72.5 | 319 | 24.5 | 14.1 | 2118 | 3.14 | 15.5 | 3.4 | 1.8 | 0.3 | 93.8 | 0.96 | 0.41 | 0.12 | 67 | 1.71 | 0.144 |
| R-A-L5E-1450 | Soil | 5.31 | 44.80 | 4.07 | 156.0 | 383 | 30.0 | 46.9 | >10000 | 4.95 | 29.2 | 2.5 | 2.9 | 0.2 | 140.6 | 4.16 | 0.53 | 0.09 | 69 | 2.21 | 0.205 |
| R-A-L5-1500 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L5-1550 | Soil | 0.88 | 35.50 | 5.96 | 81.8 | 199 | 22.2 | 10.7 | 740 | 2.03 | 4.0 | 2.3 | 2.7 | 0.5 | 83.8 | 1.34 | 0.36 | 0.10 | 52 | 1.45 | 0.146 |
| R-A-L5-1600 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L5-1650 | Soil | 1.23 | 34.26 | 3.63 | 41.7 | 298 | 13.4 | 5.2 | 322 | 0.98 | 1.9 | 1.6 | 6.6 | 0.3 | 89.4 | 1.08 | 0.26 | 0.06 | 27 | 1.86 | 0.124 |
| R-A-L5-1700 | Soil | 1.05 | 11.18 | 12.49 | 58.3 | 395 | 11.2 | 5.5 | 323 | 1.89 | 3.1 | 0.2 | 3.4 | 0.5 | 17.6 | 0.27 | 0.36 | 0.14 | 56 | 0.27 | 0.077 |
| R-A-L5-1750 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L5-1800 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L5-1850 | Soil | 1.17 | 46.94 | 6.84 | 57.6 | 245 | 20.4 | 8.1 | 575 | 1.85 | 3.6 | 3.3 | 3.2 | 1.1 | 79.2 | 0.37 | 0.56 | 0.12 | 38 | 1.14 | 0.095 |
| R-A-L5-1900 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |

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Project: non-given
 Report Date: July 19, 2010

Page: 12 of 13 Part 2

CERTIFICATE OF ANALYSIS

VAN10002972.1

| Method | Analyte | Unit | MDL | 1F15 La | 1F15 Cr | 1F15 Mg | 1F15 Ba | 1F15 Ti | 1F15 B | 1F15 Al | 1F15 Na | 1F15 K | 1F15 W | 1F15 Sc | 1F15 Ti | 1F15 S | 1F15 Hg | 1F15 Se | 1F15 Te | 1F15 Ga | 1F15 Cs | 1F15 Ge | 1F15 Hf |
|--------------|---------|--------|--------|---------|---------|---------|---------|---------|--------|---------|---------|--------|--------|---------|---------|--------|---------|---------|---------|---------|---------|---------|---------|
| | | ppm | ppm | % | ppm | % | ppm | % | % | % | % | ppm | ppm | ppm | ppm | % | ppb | ppm | ppm | ppm | ppm | ppm | ppm |
| | | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.01 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.1 | 0.02 |
| R-A-L5E-100 | Soil | 1.5 | 4.2 | 0.08 | 114.8 | 0.011 | 5 | 0.21 | 0.007 | 0.08 | <0.1 | 0.7 | <0.02 | 0.07 | 168 | 0.5 | <0.02 | 0.5 | 0.16 | <0.1 | <0.02 | <0.02 | |
| R-A-L5-200 | Soil | <0.5 | 1.9 | 0.05 | 47.4 | 0.003 | 5 | 0.11 | 0.009 | 0.09 | <0.1 | 0.4 | 0.02 | 0.12 | 176 | 0.3 | <0.02 | 0.2 | 0.21 | <0.1 | <0.02 | <0.02 | |
| R-A-L5E-300 | Soil | 14.3 | 33.3 | 0.52 | 252.7 | 0.023 | 3 | 2.20 | 0.009 | 0.13 | 0.1 | 3.7 | 0.07 | 0.08 | 181 | 0.8 | <0.02 | 5.5 | 0.77 | <0.1 | 0.02 | 0.02 | |
| R-A-L5-400 | Soil | 2.4 | 6.4 | 0.11 | 337.9 | 0.016 | 7 | 0.29 | 0.006 | 0.10 | <0.1 | 0.6 | 0.10 | 0.09 | 199 | 0.3 | <0.02 | 1.2 | 0.34 | <0.1 | <0.02 | <0.02 | |
| R-A-L5E-500 | Soil | 5.6 | 13.7 | 0.18 | 145.0 | 0.018 | 2 | 0.83 | 0.007 | 0.08 | <0.1 | 1.1 | 0.05 | 0.07 | 149 | 0.3 | <0.02 | 3.0 | 0.35 | <0.1 | <0.02 | <0.02 | |
| R-A-L5-600 | Soil | 4.2 | 16.3 | 0.23 | 140.4 | 0.032 | 4 | 0.62 | 0.009 | 0.09 | <0.1 | 1.2 | 0.05 | 0.07 | 192 | 0.2 | <0.02 | 2.4 | 0.46 | <0.1 | <0.02 | <0.02 | |
| R-A-L5E-700 | Soil | <0.5 | 2.3 | 0.14 | 185.3 | 0.003 | 8 | 0.07 | 0.004 | 0.13 | <0.1 | 0.2 | <0.02 | 0.16 | 117 | 0.2 | <0.02 | 0.2 | 0.09 | <0.1 | <0.02 | <0.02 | |
| R-A-L5-800 | Soil | 2.9 | 14.5 | 0.12 | 282.1 | 0.019 | 4 | 0.58 | 0.006 | 0.09 | <0.1 | 0.5 | 0.09 | 0.09 | 187 | 0.3 | <0.02 | 2.6 | 0.53 | <0.1 | <0.02 | <0.02 | |
| R-A-L5E-850 | Soil | 1.2 | 8.4 | 0.10 | 517.5 | 0.011 | 4 | 0.46 | 0.008 | 0.10 | <0.1 | 0.5 | 0.08 | 0.11 | 336 | 0.4 | <0.02 | 1.4 | 0.28 | <0.1 | <0.02 | <0.02 | |
| R-A-L5-900 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L5-950 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L5-1000 | Soil | 5.0 | 32.2 | 0.37 | 197.5 | 0.029 | 1 | 1.42 | 0.006 | 0.06 | 0.1 | 1.2 | 0.06 | 0.03 | 102 | 0.2 | 0.02 | 4.9 | 0.68 | <0.1 | <0.02 | <0.02 | |
| R-A-L5E-1050 | Soil | 1.3 | 4.8 | 0.04 | 97.5 | 0.011 | 6 | 0.29 | 0.012 | 0.07 | <0.1 | 0.6 | 0.03 | 0.12 | 211 | 0.3 | <0.02 | 0.9 | 0.19 | <0.1 | <0.02 | <0.02 | |
| R-A-L5-1100 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L5-1150 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L5-1200 | Soil | 2.2 | 10.7 | 0.08 | 235.3 | 0.019 | 4 | 0.47 | 0.007 | 0.07 | <0.1 | 0.8 | 0.06 | 0.09 | 193 | 0.6 | <0.02 | 1.9 | 0.44 | <0.1 | <0.02 | <0.02 | |
| R-A-L5-1250 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L5-1300 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L5E-1350 | Soil | 6.2 | 29.1 | 0.56 | 134.2 | 0.030 | 6 | 1.04 | 0.015 | 0.12 | <0.1 | 2.1 | 0.06 | 0.13 | 87 | 0.8 | <0.02 | 3.3 | 0.67 | <0.1 | <0.02 | <0.02 | |
| R-A-L5E-1400 | Soil | 9.9 | 38.0 | 0.65 | 192.6 | 0.032 | 4 | 1.42 | 0.011 | 0.10 | 0.1 | 3.3 | 0.08 | 0.11 | 88 | 1.0 | 0.04 | 4.0 | 0.73 | <0.1 | <0.02 | <0.02 | |
| R-A-L5E-1450 | Soil | 10.4 | 21.6 | 0.38 | 775.6 | 0.014 | 5 | 0.83 | 0.012 | 0.10 | 0.2 | 2.0 | 0.19 | 0.17 | 160 | 1.4 | 0.06 | 2.4 | 0.48 | <0.1 | <0.02 | <0.02 | |
| R-A-L5-1500 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L5-1550 | Soil | 8.9 | 36.6 | 0.64 | 136.6 | 0.038 | 4 | 1.29 | 0.014 | 0.08 | 0.1 | 3.6 | 0.08 | 0.11 | 105 | 1.5 | 0.02 | 4.0 | 0.91 | <0.1 | 0.03 | 0.03 | |
| R-A-L5-1600 | Soil | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L5-1650 | Soil | 6.3 | 19.4 | 0.35 | 115.3 | 0.019 | 6 | 0.68 | 0.013 | 0.05 | <0.1 | 1.9 | 0.05 | 0.21 | 148 | 0.9 | <0.02 | 2.0 | 0.51 | <0.1 | 0.03 | 0.03 | |
| R-A-L5-1700 | Soil | 5.5 | 24.6 | 0.21 | 78.6 | 0.039 | 3 | 0.95 | 0.005 | 0.06 | 0.2 | 1.6 | 0.09 | 0.05 | 104 | 0.4 | <0.02 | 4.4 | 0.61 | <0.1 | <0.02 | <0.02 | |
| R-A-L5-1750 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L5-1800 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L5-1850 | Soil | 74.5 | 24.1 | 0.51 | 180.9 | 0.044 | 5 | 1.31 | 0.009 | 0.11 | 0.2 | 3.6 | 0.12 | 0.08 | 175 | 0.6 | 0.03 | 3.8 | 1.04 | 0.2 | <0.02 | <0.02 | |
| R-A-L5-1900 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |

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Project: non-given
 Report Date: July 19, 2010

Page: 12 of 13 Part 3

CERTIFICATE OF ANALYSIS

VAN10002972.1

| Method | Analyte | Unit | MDL | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | | |
|--------------|---------|------|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | Nb | Rb | Sn | Ta | Zr | Y | Ce | In | Re | Be | Li | Pd | Pt |
| | | | | ppm | ppm | ppm | ppm | ppm | ppm | ppb | ppm | ppb | ppm | ppb | | |
| R-A-L5E-100 | Soil | | | 0.10 | 2.8 | 0.1 | <0.05 | 0.4 | 0.54 | 2.0 | <0.02 | <1 | <0.1 | 0.6 | <10 | <2 |
| R-A-L5-200 | Soil | | | 0.04 | 3.0 | 0.2 | <0.05 | 0.2 | 0.21 | 0.8 | <0.02 | <1 | <0.1 | 0.2 | <10 | <2 |
| R-A-L5E-300 | Soil | | | 0.80 | 10.8 | 0.4 | <0.05 | 0.8 | 9.71 | 29.3 | 0.02 | <1 | 0.7 | 9.0 | <10 | <2 |
| R-A-L5-400 | Soil | | | 0.16 | 5.1 | 0.2 | <0.05 | <0.1 | 0.72 | 4.3 | <0.02 | <1 | 0.2 | 1.2 | <10 | <2 |
| R-A-L5E-500 | Soil | | | 0.44 | 4.7 | 0.3 | <0.05 | 0.3 | 2.85 | 10.9 | <0.02 | <1 | 0.3 | 4.0 | <10 | <2 |
| R-A-L5-600 | Soil | | | 0.54 | 8.4 | 0.2 | <0.05 | 0.6 | 1.68 | 7.8 | <0.02 | <1 | 0.1 | 5.1 | <10 | <2 |
| R-A-L5E-700 | Soil | | | 0.05 | 1.4 | <0.1 | <0.05 | 0.1 | 0.26 | 0.7 | <0.02 | <1 | <0.1 | 0.6 | <10 | <2 |
| R-A-L5-800 | Soil | | | 0.31 | 7.7 | 0.2 | <0.05 | <0.1 | 0.84 | 5.6 | <0.02 | <1 | 0.2 | 5.7 | <10 | <2 |
| R-A-L5E-850 | Soil | | | 0.23 | 6.1 | 0.1 | <0.05 | <0.1 | 0.62 | 2.3 | <0.02 | <1 | 0.1 | 2.2 | <10 | <2 |
| R-A-L5-900 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L5-950 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L5-1000 | Soil | | | 0.74 | 10.2 | 0.3 | <0.05 | 0.5 | 1.69 | 9.0 | <0.02 | <1 | 0.4 | 11.0 | <10 | <2 |
| R-A-L5E-1050 | Soil | | | 0.16 | 3.2 | 0.2 | <0.05 | 0.3 | 0.36 | 2.5 | <0.02 | <1 | 0.2 | 0.8 | <10 | <2 |
| R-A-L5-1100 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L5-1150 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L5-1200 | Soil | | | 0.32 | 7.3 | 0.2 | <0.05 | <0.1 | 0.72 | 4.3 | <0.02 | <1 | <0.1 | 2.3 | <10 | <2 |
| R-A-L5-1250 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L5-1300 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L5E-1350 | Soil | | | 0.50 | 15.6 | 0.2 | <0.05 | 0.5 | 5.93 | 10.4 | <0.02 | 1 | 0.6 | 10.3 | <10 | <2 |
| R-A-L5E-1400 | Soil | | | 0.59 | 17.6 | 0.2 | <0.05 | 0.6 | 9.42 | 16.9 | <0.02 | 2 | 0.5 | 14.5 | <10 | <2 |
| R-A-L5E-1450 | Soil | | | 0.22 | 7.7 | 0.1 | <0.05 | 0.4 | 11.08 | 18.6 | <0.02 | 3 | 0.4 | 6.5 | <10 | <2 |
| R-A-L5-1500 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L5-1550 | Soil | | | 0.80 | 12.2 | 0.2 | <0.05 | 1.2 | 7.63 | 15.7 | <0.02 | <1 | 0.2 | 14.3 | <10 | <2 |
| R-A-L5-1600 | Soil | | | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| R-A-L5-1650 | Soil | | | 0.46 | 6.6 | 0.1 | <0.05 | 1.3 | 6.53 | 9.0 | <0.02 | 2 | 0.2 | 6.6 | <10 | <2 |
| R-A-L5-1700 | Soil | | | 0.58 | 8.6 | 0.4 | <0.05 | 0.3 | 1.46 | 10.3 | <0.02 | <1 | 0.2 | 6.8 | <10 | <2 |
| R-A-L5-1750 | Soil | | | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L5-1800 | Soil | | | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L5-1850 | Soil | | | 0.99 | 14.6 | 0.2 | <0.05 | 0.6 | 30.85 | 50.7 | <0.02 | <1 | 0.9 | 10.6 | <10 | <2 |
| R-A-L5-1900 | Soil | | | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |

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 Report Date: July 19, 2010

Page: 13 of 13 Part 1

CERTIFICATE OF ANALYSIS

VAN10002972.1

| Method | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|----------------|------|------|-------|-------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|-------|-------|
| Analyte | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | |
| Unit | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | |
| MDL | 0.01 | 0.01 | 0.01 | 0.1 | 2 | 0.1 | 0.1 | 1 | 0.01 | 0.1 | 0.1 | 0.2 | 0.1 | 0.5 | 0.01 | 0.02 | 0.02 | 2 | 0.01 | 0.001 | |
| R-A-L5-1950 | Soil | 1.46 | 15.97 | 7.43 | 28.6 | 629 | 8.8 | 5.4 | 815 | 0.72 | 1.0 | 1.0 | 0.5 | 0.2 | 96.6 | 0.52 | 0.32 | 0.09 | 13 | 1.30 | 0.127 |
| R-A-L5-2000 | Soil | 1.21 | 18.86 | 13.88 | 52.4 | 1083 | 12.8 | 9.1 | 1432 | 1.50 | 1.7 | 0.8 | <0.2 | 0.2 | 115.2 | 0.54 | 0.35 | 0.13 | 27 | 1.27 | 0.106 |
| R-A-L5-2100 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L5-2200 | Soil | 0.58 | 5.79 | 5.79 | 30.4 | 321 | 4.6 | 2.1 | 114 | 0.84 | 1.5 | 0.3 | 0.6 | <0.1 | 24.4 | 0.14 | 0.18 | 0.11 | 23 | 0.30 | 0.052 |
| R-A-L5-2300 | Soil | 0.61 | 9.45 | 6.52 | 42.3 | 919 | 4.6 | 1.8 | 237 | 0.68 | 1.0 | 0.2 | <0.2 | 0.1 | 24.1 | 0.52 | 0.13 | 0.08 | 15 | 0.36 | 0.072 |
| R-A-L5-2400 | Soil | 1.33 | 10.86 | 11.65 | 40.1 | 1106 | 8.1 | 14.3 | 5367 | 1.12 | 1.4 | 0.5 | 8.0 | 0.3 | 25.6 | 0.58 | 0.23 | 0.11 | 24 | 0.30 | 0.092 |
| R-A-L5-2500 | Soil | 1.04 | 6.12 | 5.63 | 38.0 | 833 | 1.8 | 0.7 | 543 | 0.14 | 0.5 | 0.2 | 6.2 | 0.3 | 29.9 | 0.59 | 0.10 | 0.05 | 4 | 0.45 | 0.078 |
| R-PIT-OR2-2900 | Soil | 0.40 | 1.53 | 6.88 | 13.8 | 45 | 3.0 | 1.1 | 47 | 0.49 | 0.4 | 0.4 | 0.8 | 3.7 | 8.6 | 0.02 | 0.06 | 0.13 | 18 | 0.10 | 0.014 |



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 Report Date: July 19, 2010

Page: 13 of 13 Part 2

CERTIFICATE OF ANALYSIS

VAN10002972.1

| Method | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|----------------|------|------|------|------|-------|-------|------|-------|-------|------|------|------|------|-------|------|------|-------|------|------|------|-------|
| Analyte | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Sc | Tl | S | Hg | Se | Te | Ga | Cs | Ge | Hf | |
| Unit | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | % | ppb | ppm | ppm | ppm | ppm | ppm | ppm | |
| MDL | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.1 | 0.02 | |
| R-A-L5-1950 | Soil | 21.0 | 7.8 | 0.17 | 176.8 | 0.013 | 5 | 0.64 | 0.006 | 0.07 | 0.1 | 1.7 | 0.08 | 0.13 | 214 | 0.6 | <0.02 | 1.7 | 0.43 | <0.1 | <0.02 |
| R-A-L5-2000 | Soil | 15.0 | 18.3 | 0.33 | 278.8 | 0.032 | 3 | 1.23 | 0.010 | 0.12 | 0.2 | 2.0 | 0.12 | 0.10 | 277 | 0.5 | 0.02 | 4.5 | 0.98 | <0.1 | <0.02 |
| R-A-L5-2100 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L5-2200 | Soil | 9.1 | 10.6 | 0.08 | 107.7 | 0.020 | 3 | 0.47 | 0.008 | 0.04 | 0.3 | 0.4 | 0.05 | 0.03 | 86 | 0.3 | 0.03 | 3.1 | 0.33 | <0.1 | <0.02 |
| R-A-L5-2300 | Soil | 5.7 | 9.7 | 0.06 | 145.3 | 0.023 | 2 | 0.46 | 0.007 | 0.05 | <0.1 | 0.7 | 0.04 | 0.05 | 160 | 0.6 | 0.04 | 2.4 | 0.36 | <0.1 | <0.02 |
| R-A-L5-2400 | Soil | 13.1 | 13.8 | 0.19 | 176.3 | 0.024 | 3 | 0.66 | 0.006 | 0.09 | <0.1 | 1.1 | 0.23 | 0.06 | 165 | 0.3 | <0.02 | 3.4 | 0.87 | <0.1 | <0.02 |
| R-A-L5-2500 | Soil | 5.4 | 5.1 | 0.05 | 113.4 | 0.010 | 4 | 0.17 | 0.009 | 0.07 | <0.1 | 0.6 | 0.07 | 0.07 | 158 | 0.2 | <0.02 | 1.0 | 0.52 | <0.1 | <0.02 |
| R-PIT-OR2-2900 | Soil | 17.3 | 8.0 | 0.08 | 20.0 | 0.059 | <1 | 0.48 | 0.005 | 0.04 | 0.3 | 0.9 | 0.08 | <0.02 | 13 | <0.1 | <0.02 | 5.8 | 1.51 | <0.1 | <0.02 |



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Page: 13 of 13 Part 3

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VAN10002972.1

| Method | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|----------------|------|------|------|------|-------|------|-------|------|-------|------|------|------|------|------|
| Analyte | Nb | Rb | Sn | Ta | Zr | Y | Ce | In | Re | Be | Li | Pd | Pt | |
| Unit | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppb | ppb | |
| MDL | 0.02 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 | 0.1 | 0.02 | 1 | 0.1 | 0.1 | 10 | 2 | |
| R-A-L5-1950 | Soil | 0.33 | 5.4 | 0.2 | <0.05 | 0.2 | 11.13 | 35.2 | <0.02 | <1 | 0.4 | 2.2 | <10 | <2 |
| R-A-L5-2000 | Soil | 1.12 | 14.7 | 0.4 | <0.05 | 0.2 | 7.12 | 27.9 | 0.02 | <1 | 0.4 | 7.2 | <10 | <2 |
| R-A-L5-2100 | Soil | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. | I.S. |
| R-A-L5-2200 | Soil | 0.25 | 4.8 | 0.3 | <0.05 | <0.1 | 1.47 | 16.8 | <0.02 | <1 | 0.1 | 1.6 | <10 | <2 |
| R-A-L5-2300 | Soil | 0.43 | 5.5 | 0.2 | <0.05 | 0.1 | 1.21 | 10.6 | <0.02 | <1 | <0.1 | 1.2 | <10 | <2 |
| R-A-L5-2400 | Soil | 0.33 | 16.7 | 0.3 | <0.05 | 0.1 | 2.94 | 30.7 | <0.02 | <1 | 0.1 | 3.7 | <10 | <2 |
| R-A-L5-2500 | Soil | 0.15 | 3.9 | 0.2 | <0.05 | 0.1 | 0.81 | 10.0 | <0.02 | <1 | <0.1 | 0.4 | <10 | <2 |
| R-PIT-OR2-2900 | Soil | 0.95 | 19.9 | 0.7 | <0.05 | 0.6 | 2.23 | 33.9 | <0.02 | <1 | 0.1 | 3.3 | <10 | <2 |



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Page: 1 of 2 Part 1

UI AbTYO CN9 YRNb REPNRY

VA9 10002, 72.1

| Method | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|-------------------|------|-------|--------|-------|-------|------|------|------|------|-------|------|------|------|------|-------|------|------|------|------|-------|--------|
| Analyte | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P | |
| Unit | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % | |
| MDL | 0.01 | 0.01 | 0.01 | 0.1 | 2 | 0.1 | 0.1 | 1 | 0.01 | 0.1 | 0.1 | 0.2 | 0.1 | 0.5 | 0.01 | 0.02 | 0.02 | 2 | 0.01 | 0.001 | |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | | | | |
| U-A-b10-1300 | Soil | 2.26 | 16.07 | 15.63 | 103.8 | 202 | 14.2 | 4.5 | 734 | 0.60 | 0.7 | MD.1 | 7.5 | MD.1 | , 5.1 | 3.71 | 0.21 | 0.0, | 16 | 2.15 | 0.184 |
| REP U-A-b10-1300 | UC | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. |
| U-A-b15-500 | Soil | 1.10 | 15.24 | 8.17 | 86.1 | 373 | 13.8 | 6.5 | 826 | 1.40 | 2.6 | 0.2 | 0.4 | 0.3 | 54.4 | 0.60 | 0.30 | 0.08 | 40 | 0.87 | 0.0, |
| REP U-A-b15-500 | UC | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. |
| U-A-b20-400 | Soil | 1.42 | 20.24 | 7.86 | 140.2 | 1067 | 24.3 | 10.3 | , 54 | 1.23 | 1.3 | 0.2 | 1.5 | 0.4 | 54.4 | 2.68 | 0.21 | 0.16 | 25 | 0.68 | 0.168 |
| REP U-A-b20-400 | UC | 1.47 | 20.4, | 7.82 | 148.0 | 1042 | 25.3 | 10.7 | , 4, | 1.23 | 1.4 | 0.2 | 1.1 | 0.4 | 57.0 | 2.64 | 0.24 | 0.14 | 25 | 0.6, | 0.168 |
| U-A-NRYH1-500 | Soil | 0.14 | 7.61 | 4.36 | 3, 7 | 5, | 13.3 | 4.3 | 138 | 1.0, | 1.1 | 0.3 | 0., | 1.5 | 22.2 | 0.08 | 0.21 | 0.08 | 33 | 0.32 | 0.044 |
| REP U-A-NRYH1-500 | UC | 0.14 | 7., 8 | 4.53 | 3, 7 | 62 | 13.7 | 4.5 | 136 | 1.11 | 1.2 | 0.3 | 0.8 | 1.6 | 23.8 | 0.07 | 0.22 | 0.08 | 34 | 0.35 | 0.042 |
| H-A-b09-300 | Soil | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. |
| REP H-A-b09-300 | UC | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. |
| H-A-b09-1200 | Soil | 0.86 | 31.00 | , .18 | 116.6 | 542 | 26.7 | , 7 | , 17 | 2.15 | 2.0 | 0.4 | 1.8 | 1.5 | 50.5 | 0.72 | 0.1, | 0.12 | 38 | 0.81 | 0.083 |
| REP H-A-b09-1200 | UC | 0.85 | 2, .53 | 8., 1 | 118.6 | 550 | 25.0 | , 2 | , 06 | 2.13 | 2.1 | 0.4 | 1.0 | 1.5 | 50.6 | 0.71 | 0.1, | 0.12 | 38 | 0.78 | 0.083 |
| H-A-b109-800 | Soil | 0.58 | , .14 | 7.40 | 68.2 | 187 | 13.3 | 7.7 | 2014 | 1.67 | 1.8 | 0.3 | 1.2 | 1.7 | 32.3 | 0.37 | 0.17 | 0.14 | 34 | 0.53 | 0.042 |
| REP H-A-b109-800 | UC | 0.58 | , 48 | 7.23 | 72.6 | 1, 0 | 13.8 | 7.6 | 2055 | 1.70 | 2.0 | 0.3 | 1.4 | 1.8 | 32.8 | 0.37 | 0.17 | 0.13 | 35 | 0.51 | 0.045 |
| H-A-b59-700 | Soil | 0., 3 | 33.8, | 4.85 | 48., | 57 | 13., | 7.4 | 586 | 1., 8 | 4.7 | 0.6 | 3.5 | 1.0 | 72.8 | 0.12 | 0.22 | 0.07 | 53 | 0.8, | 0.083 |
| REP H-A-b59-700 | UC | 0., , | 33., 8 | 4.75 | 4, .2 | 60 | 13., | 7.2 | 603 | 1., 7 | 4.7 | 0.6 | 6.0 | 1.1 | 6, 0 | 0.12 | 0.22 | 0.07 | 52 | 0., 3 | 0.080 |
| R-A-b0-1200 | Soil | 0.74 | 32.07 | 6.03 | 7, 4 | 111 | 22.7 | 12.5 | 1135 | 2.31 | 6.3 | 1., | 2., | 1.1 | 5, 2 | 0.35 | 0.43 | 0.10 | 57 | 0., , | 0.147 |
| REP R-A-b0-1200 | UC | 0.72 | 33.13 | 6.34 | 85.0 | 120 | 22.7 | 12.6 | 1161 | 2.3, | 6.4 | 1., | 3.0 | 1.3 | 63.3 | 0.40 | 0.45 | 0.10 | 5, | 1.01 | 0.151 |
| R-A-b0-2300 | Soil | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. |
| REP R-A-b0-2300 | UC | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. |
| R-A-b10-1700 | Soil | 0.47 | 11.2, | 5.67 | 53.1 | 5, 0 | 4.0 | 1.3 | 3, 8 | 0.42 | 0.6 | MD.1 | 0.3 | MD.1 | 25.3 | 0.74 | 0.12 | 0.07 | 11 | 0.38 | 0.065 |
| REP R-A-b10-1700 | UC | 0.45 | 11.70 | 5., , | 52.4 | 602 | 4.2 | 1.3 | 3, 7 | 0.43 | 0.3 | MD.1 | MD.2 | MD.1 | 24., | 0.71 | 0.12 | 0.07 | 11 | 0.42 | 0.070 |
| R-A-NR1-1000 | Soil | 0.88 | 11.80 | 8.71 | 7, .8 | 504 | 5.6 | 4.2 | 550, | 0.47 | 0.8 | 0.1 | 0.8 | MD.1 | 5, 3 | 0.56 | 0.25 | 0.07 | 15 | 0.67 | 0.0, 8 |
| REP R-A-NR1-1000 | UC | 0.85 | 11.81 | 8.56 | 77.2 | 457 | 5.3 | 4.2 | 5461 | 0.47 | 0.4 | 0.1 | 1.1 | MD.1 | 61.6 | 0.54 | 0.23 | 0.08 | 14 | 0.66 | 0.0, 6 |
| R-A-NR1-2800 | Soil | 0., 8 | 63.71 | 6.36 | 86.5 | 207 | 31.7 | 17.0 | 635 | 2., 6 | 7.7 | 2.2 | 5.3 | 1.3 | 53.5 | 0.61 | 0.72 | 0.11 | 88 | 0.88 | 0.156 |
| REP R-A-NR1-2800 | UC | 1.00 | 62., 5 | 6.48 | 87.1 | 211 | 31.3 | 16.4 | 601 | 3.02 | 7., | 2.1 | 10.3 | 1.3 | 5, 6 | 0.64 | 0.75 | 0.12 | , 1 | 0., 1 | 0.154 |
| R-A-NR2-1700 | Soil | 1.28 | 41.03 | 7.32 | 66.5 | 303 | 23.1 | 11.0 | 1245 | 2.13 | 6.5 | 2.6 | 3.4 | 0.4 | 101.3 | 1.17 | 0.4, | 0.12 | 55 | 1.65 | 0.137 |
| REP R-A-NR2-1700 | UC | 1.24 | 38.73 | 6., , | 62.0 | 301 | 22.1 | 10.6 | 1216 | 2.10 | 6.5 | 2.5 | 3.5 | 0.4 | , 5.7 | 1.14 | 0.4, | 0.12 | 55 | 1.65 | 0.13, |

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Page: 1 of 2 Part 2

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VA9 10002, 72.1

| Method | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|-------------------|------|------|------|------|-------|-------|------|-------|-------|------|------|------|------|-------|------|------|-------|------|------|------|-------|
| Analyte | La | Cr | Mg | Ba | Ti | B | Al | Na | K | W | Sc | Tl | S | Hg | Se | Te | Ga | Cs | Ge | Hf | |
| Unit | ppm | ppm | % | ppm | % | ppm | % | % | % | ppm | ppm | ppm | % | ppb | ppm | ppm | ppm | ppm | ppm | ppm | |
| MDL | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.1 | 0.02 | |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | | | | |
| U-A-b10-1300 | Soil | 1.6 | 11.2 | 0.30 | 88.6 | 0.020 | 20 | 0.24 | 0.006 | 0.14 | 0.2 | 0.6 | 0.06 | 0.12 | 12 | 0.6 | MD.02 | 1.3 | 0.26 | MD.1 | MD.02 |
| REP U-A-b10-1300 | UC | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. |
| U-A-b15-500 | Soil | 5.4 | 27.6 | 0.25 | 200.6 | 0.057 | 5 | 0.74 | 0.006 | 0.07 | 0.2 | 1.3 | 0.02 | 0.05 | 85 | 0.5 | MD.02 | 2.5 | 0.51 | MD.1 | MD.02 |
| REP U-A-b15-500 | UC | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. |
| U-A-b20-400 | Soil | 5.8 | 31.1 | 0.22 | 355.0 | 0.045 | 3 | 1.10 | 0.006 | 0.14 | MD.1 | 1. | 0.06 | 0.04 | 65 | 1.7 | 0.03 | 4.3 | 0.53 | MD.1 | MD.02 |
| REP U-A-b20-400 | UC | 6.1 | 32.6 | 0.23 | 363.0 | 0.048 | 4 | 1.11 | 0.006 | 0.14 | MD.1 | 2.2 | 0.05 | 0.04 | 73 | 1.7 | MD.02 | 4.3 | 0.55 | MD.1 | 0.02 |
| U-A-NRYH1-500 | Soil | 7.8 | 24.3 | 0.36 | 47.5 | 0.078 | 2 | 0.83 | 0.007 | 0.04 | MD.1 | 2.0 | 0.04 | MD.02 | 13 | MD.1 | MD.02 | 3.0 | 0.46 | MD.1 | 0.03 |
| REP U-A-NRYH1-500 | UC | 8.7 | 25.0 | 0.37 | 51.6 | 0.081 | MI | 0.86 | 0.007 | 0.05 | MD.1 | 2.2 | 0.04 | MD.02 | 12 | 0.1 | MD.02 | 2. | 0.46 | MD.1 | 0.04 |
| H-A-b09-300 | Soil | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. |
| REP H-A-b09-300 | UC | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. |
| H-A-b09-1200 | Soil | 14.0 | 35.0 | 0.53 | 142. | 0.057 | 6 | 1.2 | 0.014 | 0.14 | 0.1 | 2.1 | 0.06 | 0.04 | 67 | 0.5 | MD.02 | 4.0 | 0.80 | MD.1 | MD.02 |
| REP H-A-b09-1200 | UC | 14.4 | 35.6 | 0.50 | 13. | 0.063 | 5 | 1.30 | 0.015 | 0.14 | MD.1 | 2.1 | 0.06 | 0.04 | 78 | 0.3 | MD.02 | 4.0 | 0.82 | MD.1 | MD.02 |
| H-A-b109-800 | Soil | 10.4 | 22.3 | 0.32 | 128.4 | 0.035 | 3 | 0.4 | 0.005 | 0.11 | MD.1 | 1.4 | 0.07 | 0.02 | 64 | MD.1 | MD.02 | 3.6 | 0.52 | MD.1 | MD.02 |
| REP H-A-b109-800 | UC | 11.3 | 21.7 | 0.27 | 133. | 0.043 | 3 | 0.4 | 0.005 | 0.12 | MD.1 | 1.5 | 0.07 | 0.02 | 52 | 0.3 | MD.02 | 3. | 0.70 | MD.1 | MD.02 |
| H-A-b59-700 | Soil | 0 | 23.8 | 0.43 | 67.5 | 0.046 | 7 | 0.7 | 0.012 | 0.07 | 0.2 | 2.5 | 0.04 | 0.06 | 80 | 0.4 | MD.02 | 2. | 0.57 | MD.1 | 0.03 |
| REP H-A-b59-700 | UC | 0.5 | 23.0 | 0.34 | 66.1 | 0.050 | 7 | 0.7 | 0.013 | 0.07 | 0.1 | 2.7 | 0.04 | 0.06 | 86 | 0.6 | MD.02 | 2. | 0.65 | MD.1 | MD.02 |
| R-A-b0-1200 | Soil | 10.0 | 40.0 | 0.66 | 158.3 | 0.055 | 4 | 1.32 | 0.11 | 0.11 | 0.1 | 4.2 | 0.08 | 0.05 | 103 | 0.6 | MD.02 | 4.4 | 0.6 | MD.1 | 0.02 |
| REP R-A-b0-1200 | UC | 11.0 | 43.2 | 0.67 | 168.1 | 0.072 | 4 | 1.34 | 0.120 | 0.11 | 0.2 | 4.5 | 0.08 | 0.05 | 103 | 0.7 | MD.02 | 4.5 | 1.15 | MD.1 | 0.03 |
| R-A-b0-2300 | Soil | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. |
| REP R-A-b0-2300 | UC | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. |
| R-A-b10-1700 | Soil | 2.2 | 7.4 | 0.07 | 150.4 | 0.011 | 3 | 0.33 | 0.006 | 0.06 | MD.1 | 0.4 | 0.05 | 0.0 | 18 | 0.2 | 0.03 | 1.1 | 0.36 | MD.1 | MD.02 |
| REP R-A-b10-1700 | UC | 2.3 | 7.3 | 0.07 | 153.2 | 0.011 | 3 | 0.33 | 0.006 | 0.06 | MD.1 | 0.3 | 0.05 | 0.0 | 171 | 0.3 | MD.02 | 1.1 | 0.36 | MD.1 | MD.02 |
| R-A-NR1-1000 | Soil | 3.2 | 8. | 0.12 | 304.4 | 0.01 | 3 | 0.42 | 0.011 | 0.0 | MD.1 | 0.7 | 0.0 | 0.0 | 307 | 0.4 | MD.02 | 1.8 | 0.35 | MD.1 | MD.02 |
| REP R-A-NR1-1000 | UC | 3.1 | 8. | 0.12 | 287.0 | 0.01 | 5 | 0.41 | 0.011 | 0.0 | MD.1 | 0.5 | 0.0 | 0.0 | 26 | 0.2 | MD.02 | 1.8 | 0.34 | MD.1 | MD.02 |
| R-A-NR1-2800 | Soil | 10.5 | 62.8 | 0.87 | 175.8 | 0.077 | 3 | 1.7 | 0.015 | 0.07 | 0.2 | 6.5 | 0.10 | 0.07 | 106 | 1.2 | MD.02 | 5.3 | 1.1 | MD.1 | 0.04 |
| REP R-A-NR1-2800 | UC | 11.1 | 63.7 | 0.88 | 176.7 | 0.088 | 3 | 1.84 | 0.016 | 0.08 | 0.1 | 7.1 | 0.10 | 0.07 | 113 | 1.3 | MD.02 | 5.3 | 1.27 | MD.1 | 0.04 |
| R-A-NR2-1700 | Soil | 10.0 | 41. | 0.63 | 15. | 0.048 | 5 | 1.43 | 0.014 | 0.11 | 0.1 | 3.4 | 0.0 | 0.12 | 138 | 1.8 | 0.03 | 3.8 | 0.8 | MD.1 | 0.02 |
| REP R-A-NR2-1700 | UC | 0.7 | 38.7 | 0.61 | 162.8 | 0.043 | 4 | 1.34 | 0.012 | 0.10 | 0.1 | 3.5 | 0.08 | 0.13 | 148 | 1.5 | MD.02 | 3.4 | 0.86 | MD.1 | 0.03 |



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 Report Date: July 1, 2010

Page: 1 of 2 Part 3

UI AbTYO CN9 YRNb REPNRY

VA9 10002, 72.1

| Method | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | |
|-------------------|------|------|------|------|-------|------|-------|------|-------|------|------|-------|------|-----|
| Analyte | Nb | Rb | Sn | Ta | Zr | Y | Ce | In | Re | Be | Li | Pd | Pt | |
| Unit | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppb | ppb | |
| MDL | 0.02 | 0.1 | 0.1 | 0.05 | 0.1 | 0.01 | 0.1 | 0.02 | 1 | 0.1 | 0.1 | 10 | 2 | |
| Pulp Duplicates | | | | | | | | | | | | | | |
| U-A-b10-1300 | Soil | 0.22 | 3.1 | 0.3 | MD.05 | 0.3 | 0.6, | 3.0 | MD.02 | MI | MD.1 | 1.4 | MI0 | M2 |
| REP U-A-b10-1300 | UC | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. |
| U-A-b15-500 | Soil | 0.61 | 7.1 | 0.3 | MD.05 | 0.5 | 1.64 | , .0 | MD.02 | MI | MD.1 | 6.4 | MI0 | M2 |
| REP U-A-b15-500 | UC | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. |
| U-A-b20-400 | Soil | 0.62 | 7.6 | 0.4 | MD.05 | 0., | 1.85 | 11.6 | MD.02 | 2 | 0.5 | 5., | MI0 | M2 |
| REP U-A-b20-400 | UC | 0.6, | 8.1 | 0.3 | MD.05 | 0., | 2.03 | 12.3 | MD.02 | MI | 0.3 | 5.4 | MI0 | M2 |
| U-A-NRYH1-500 | Soil | 0.48 | 7.4 | 0.2 | MD.05 | 1.7 | 3.1, | 14., | MD.02 | MI | 0.2 | 7.8 | MI0 | M2 |
| REP U-A-NRYH1-500 | UC | 0.47 | 7.3 | 0.2 | MD.05 | 1., | 3.33 | 16.3 | MD.02 | MI | 0.1 | 8.7 | MI0 | M2 |
| H-A-b09-300 | Soil | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. |
| REP H-A-b09-300 | UC | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. |
| H-A-b09-1200 | Soil | 0.80 | 15.1 | 0.3 | MD.05 | 0.6 | 2.85 | 24.5 | MD.02 | MI | 0.3 | 1., 2 | MI0 | M2 |
| REP H-A-b09-1200 | UC | 0.85 | 15.1 | 0.3 | MD.05 | 0.5 | 2., 2 | 24.7 | MD.02 | MI | 0.2 | 18.3 | MI0 | M2 |
| H-A-b109-800 | Soil | 0.57 | 8., | 0.3 | MD.05 | 0.4 | 1.8, | 21., | MD.02 | MI | 0.2 | 13.1 | MI0 | M2 |
| REP H-A-b109-800 | UC | 0.61 | 11.4 | 0.3 | MD.05 | 0.4 | 2.00 | 23.7 | MD.02 | MI | 0.4 | 12.8 | MI0 | M2 |
| H-A-b59-700 | Soil | 0.63 | 3.8 | 0.2 | MD.05 | 1.6 | 5.28 | 16., | MD.02 | MI | 0.2 | , .2 | MI0 | M2 |
| REP H-A-b59-700 | UC | 0.57 | 4.1 | 0.2 | MD.05 | 1.1 | 5.05 | 18.7 | MD.02 | 1 | 0.2 | , .0 | MI0 | M2 |
| R-A-b0-1200 | Soil | 0.66 | 17.3 | 0.3 | MD.05 | 1.0 | 7.17 | 16.1 | MD.02 | MI | 0.4 | 17.7 | MI0 | M2 |
| REP R-A-b0-1200 | UC | 0.62 | 18.4 | 0.3 | MD.05 | 0., | 7.74 | 17., | MD.02 | MI | 0.5 | 17.1 | MI0 | M2 |
| R-A-b0-2300 | Soil | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. |
| REP R-A-b0-2300 | UC | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. | TS. |
| R-A-b10-1700 | Soil | 0.1, | 7.3 | 0.2 | MD.05 | MD.1 | 0.54 | 3.7 | MD.02 | MI | MD.1 | 0.7 | MI0 | M2 |
| REP R-A-b10-1700 | UC | 0.17 | 7.4 | 0.2 | MD.05 | MD.1 | 0.55 | 3., | MD.02 | MI | MD.1 | 0.8 | MI0 | M2 |
| R-A-NR1-1000 | Soil | 0.15 | 5.3 | 0.2 | MD.05 | MD.1 | 1.03 | 5.3 | MD.02 | MI | MD.1 | 1.2 | MI0 | M2 |
| REP R-A-NR1-1000 | UC | 0.15 | 5.2 | 0.2 | MD.05 | MD.1 | 1.05 | 5.1 | MD.02 | MI | 0.1 | 1.4 | MI0 | M2 |
| R-A-NR1-2800 | Soil | 0.76 | 8.7 | 0.3 | MD.05 | 1.8 | 8.86 | 17., | MD.02 | 1 | 0.5 | 1., 1 | MI0 | M2 |
| REP R-A-NR1-2800 | UC | 0.7, | , .5 | 0.3 | MD.05 | 1.8 | , .1, | 18., | 0.03 | 2 | 0.4 | 18., | MI0 | M2 |
| R-A-NR2-1700 | Soil | 0.82 | 15.0 | 0.3 | MD.05 | 0., | 6., | 15.3 | MD.02 | 1 | 0.4 | 14.1 | MI0 | M2 |
| REP R-A-NR2-1700 | UC | 0.72 | 13.3 | 0.3 | MD.05 | 0., | 6.68 | 14.8 | MD.02 | MI | 0.4 | 13.3 | MI0 | M2 |



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Page: 2 of 2 Part 1

UI AbTYO CN9 YRNb REPNRY

VA9 10002, 72.1

| | | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 | 1F15 |
|----------------------|----------|--------|---------|-------|--------|------|------|------|------|-------|-------|------|-------|------|-------|-------|-------|-------|------|-------|--------|
| | | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Au | Th | Sr | Cd | Sb | Bi | V | Ca | P |
| | | ppm | ppm | ppm | ppm | ppb | ppm | ppm | ppm | % | ppm | ppm | ppb | ppm | ppm | ppm | ppm | ppm | ppm | % | % |
| | | 0.01 | 0.01 | 0.01 | 0.1 | 2 | 0.1 | 0.1 | 1 | 0.01 | 0.1 | 0.1 | 0.2 | 0.1 | 0.5 | 0.01 | 0.02 | 0.02 | 2 | 0.01 | 0.001 |
| R-A-NR2-3000 | Soil | 0.64 | 2.85 | 5.54 | 30. | 255 | 1.6 | 0.5 | 351 | 0.08 | 0.5 | MD.1 | MD.2 | 0.1 | 15.2 | 0.20 | 0.10 | 0.10 | M2 | 0.27 | 0.065 |
| REP R-A-NR2-3000 | UC | 0.63 | 2.34 | 5.44 | 31.8 | 272 | 1.5 | 0.5 | 366 | 0.08 | 0.4 | MD.1 | MD.2 | 0.1 | 15.4 | 0.20 | 0.10 | 0.06 | M2 | 0.2 | 0.06 |
| R-A-b5-1000 | Soil | 0.72 | 15., 2 | 10.04 | , 5.7 | 2, 0 | 14.7 | , 2 | 1008 | 2.64 | 3.5 | 0.2 | 32.7 | 0.2 | 22.2 | 0.30 | 0.31 | 0.13 | 71 | 0.2, | 0.126 |
| REP R-A-b5-1000 | UC | 0.80 | 16.13 | 10.28 | , 8.4 | 2, 5 | 14., | 8.8 | 1076 | 2.64 | 3.3 | 0.2 | 0.6 | 0.2 | 22., | 0.30 | 0.2, | 0.13 | 72 | 0.30 | 0.11, |
| Reference ; aterials | | | | | | | | | | | | | | | | | | | | | |
| SYD DS7 | Standard | 1, .82 | 113.1 | 70.2, | 370.4 | 877 | 55.4 | , 8 | 573 | 2.38 | 51.7 | 4.5 | 65.1 | 4.3 | 70.7 | 6.63 | 5., 0 | 4.54 | 7, | 0., 5 | 0.081 |
| SYD DS7 | Standard | 1, .53 | 101.7 | 65.78 | 387.0 | , 18 | 54.5 | , 2 | 608 | 2.41 | 45.7 | 4.6 | 71.4 | 4.2 | 70.3 | 6.03 | 5.2, | 4.37 | 80 | 0., 6 | 0.077 |
| SYD DS7 | Standard | 1, .20 | 106.1 | 68.56 | 3, 5.0 | , 44 | 54.8 | 10.0 | 604 | 2.40 | 54.8 | 4.7 | 65.2 | 4.3 | 68.6 | 6.76 | 6.2, | 4.77 | 82 | 0., 5 | 0.087 |
| SYD DS7 | Standard | 21.65 | 118.7 | 68.00 | 364.5 | 1005 | 56.5 | , 6 | 642 | 2.31 | 51.5 | 4.8 | 56.7 | 4.6 | 71.0 | 6.32 | 5.85 | 4.50 | 83 | 0., 5 | 0.07, |
| SYD DS7 | Standard | 20., 8 | 111.7 | 71.57 | 40, .8 | 1005 | 54.2 | , 6 | 5, 7 | 2.41 | 54.0 | 5.1 | 86.8 | 4.6 | 70.7 | 6.58 | 6.27 | 4., 5 | 84 | 0., 8 | 0.0, 1 |
| SYD DS7 | Standard | 22.0, | 116.0 | 68.27 | 3, 6.6 | , 1, | 55.0 | , 8 | 610 | 2.37 | 51., | 5.1 | 74.5 | 4.8 | 70.7 | 6.26 | 6.18 | 4.5, | 83 | 1.01 | 0.084 |
| SYD DS7 | Standard | 21.77 | 118., | 68.45 | 3, 5.4 | , 61 | 58.4 | 10.2 | 61, | 2.43 | 53.4 | 4., | 63.5 | 4.8 | 7, .4 | 6.84 | 6.03 | 4.84 | 83 | 1.02 | 0.088 |
| SYD DS7 | Standard | 20.3, | , 5., 5 | 61.77 | 384.4 | , 52 | 54.5 | , 1 | 62, | 2.40 | 4, .4 | 4.2 | 80.6 | 4.0 | 78.0 | 6.10 | 5.46 | 4.34 | 81 | 0., 7 | 0.07, |
| SYD DS7 | Standard | 21.23 | 102.0 | 65.58 | 407.0 | 1003 | 56., | , 6 | 665 | 2.47 | 52.1 | 4.3 | 114.5 | 4.2 | 83.6 | 6.78 | 6.12 | 4.57 | 86 | 1.06 | 0.085 |
| SYD DS7 Expected | | 20.5 | 10, | 70.6 | 411 | 8, 0 | 56 | , 7 | 627 | 2.3, | 48.2 | 4., | 70 | 4.4 | 68.7 | 6.38 | 4.6 | 4.51 | 84 | 0., 3 | 0.08 |
| BbK | Blank | MD.01 | MD.01 | MD.01 | MD.1 | M2 | MD.1 | MD.1 | Mi | MD.01 | MD.1 | MD.1 | MD.2 | MD.1 | MD.5 | MD.01 | MD.02 | MD.02 | M2 | MD.01 | MD.001 |
| BbK | Blank | MD.01 | MD.01 | MD.01 | MD.1 | M2 | MD.1 | MD.1 | Mi | MD.01 | MD.1 | MD.1 | MD.2 | MD.1 | MD.5 | MD.01 | MD.02 | MD.02 | M2 | MD.01 | MD.001 |
| BbK | Blank | MD.01 | MD.01 | MD.01 | MD.1 | M2 | MD.1 | MD.1 | Mi | MD.01 | MD.1 | MD.1 | MD.2 | MD.1 | MD.5 | MD.01 | MD.02 | MD.02 | M2 | MD.01 | MD.001 |
| BbK | Blank | MD.01 | MD.01 | MD.01 | MD.1 | M2 | MD.1 | MD.1 | Mi | MD.01 | MD.1 | MD.1 | MD.2 | MD.1 | MD.5 | MD.01 | MD.02 | MD.02 | M2 | MD.01 | MD.001 |
| BbK | Blank | MD.01 | MD.01 | MD.01 | MD.1 | M2 | MD.1 | MD.1 | Mi | MD.01 | MD.1 | MD.1 | MD.2 | MD.1 | MD.5 | MD.01 | MD.02 | MD.02 | M2 | MD.01 | MD.001 |
| BbK | Blank | MD.01 | MD.01 | MD.01 | MD.1 | M2 | MD.1 | MD.1 | Mi | MD.01 | MD.1 | MD.1 | MD.2 | MD.1 | MD.5 | MD.01 | MD.02 | MD.02 | M2 | MD.01 | MD.001 |
| BbK | Blank | MD.01 | MD.01 | MD.01 | MD.1 | M2 | MD.1 | MD.1 | Mi | MD.01 | MD.1 | MD.1 | MD.2 | MD.1 | MD.5 | MD.01 | MD.02 | MD.02 | M2 | MD.01 | MD.001 |
| BbK | Blank | MD.01 | MD.01 | MD.01 | MD.1 | M2 | MD.1 | MD.1 | Mi | MD.01 | MD.1 | MD.1 | MD.2 | MD.1 | MD.5 | MD.01 | MD.02 | MD.02 | M2 | MD.01 | MD.001 |



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Page: 2 of 2 Part 2

UI AbTYO CN9 YRNb REPNRY

VA9 10002, 72.1

| | | 1F15 La ppm | 1F15 Cr ppm | 1F15 Mg % | 1F15 Ba ppm | 1F15 Ti % | 1F15 B ppm | 1F15 Al % | 1F15 Na % | 1F15 K % | 1F15 W ppm | 1F15 Sc ppm | 1F15 Ti ppm | 1F15 S % | 1F15 Hg ppb | 1F15 Se ppm | 1F15 Te ppm | 1F15 Ga ppm | 1F15 Cs ppm | 1F15 Ge ppm | 1F15 Hf ppm |
|----------------------|----------|-------------------|-------------------|-----------------|-------------------|-----------------|------------------|-----------------|-----------------|----------------|------------------|-------------------|-------------------|----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| R-A-NR2-3000 | Soil | 1.6 | 1.4 | 0.03 | 5.2 | 0.003 | 5 | 0.15 | 0.00 | 0.05 | 0.1 | 0.3 | 0.04 | 0.0 | 225 | 0.4 | 0.02 | 0.2 | 0.22 | 0.1 | 0.02 |
| REP R-A-NR2-3000 | UC | 1.7 | 1.6 | 0.03 | 3.2 | 0.003 | 4 | 0.15 | 0.00 | 0.04 | 0.1 | 0.5 | 0.04 | 0.0 | 243 | 0.2 | 0.02 | 0.2 | 0.22 | 0.1 | 0.02 |
| R-A-b5-1000 | Soil | 5.0 | 32.2 | 0.37 | 17.5 | 0.02 | 1 | 1.42 | 0.006 | 0.06 | 0.1 | 1.2 | 0.06 | 0.03 | 102 | 0.2 | 0.02 | 4. | 0.68 | 0.1 | 0.02 |
| REP R-A-b5-1000 | UC | 4. | 31.5 | 0.32 | 13.6 | 0.032 | 2 | 1.50 | 0.006 | 0.07 | 0.2 | 1.3 | 0.07 | 0.03 | 107 | 0.3 | 0.02 | 4. | 0.6 | 0.1 | 0.02 |
| Reference ; aterials | | | | | | | | | | | | | | | | | | | | | |
| SYD DS7 | Standard | 13.8 | 178. | 1.04 | 430.5 | 0.121 | 35 | 1.00 | 0.088 | 0.46 | 3.6 | 2. | 4.08 | 0.1 | 202 | 3.4 | 1.11 | 4.4 | 6.27 | 0.1 | 0.11 |
| SYD DS7 | Standard | 12.1 | 11.3 | 1.04 | 378.8 | 0.107 | 41 | 1.03 | 0.0 | 0.46 | 3.7 | 2.6 | 4.12 | 0.20 | 215 | 3.5 | 1.17 | 4.8 | 5.76 | 0.1 | 0.08 |
| SYD DS7 | Standard | 13.5 | 177.0 | 1.04 | 34.2 | 0.113 | 40 | 1.02 | 0.04 | 0.46 | 4.1 | 2.7 | 4.35 | 0.1 | 206 | 3.5 | 1.18 | 4.7 | 6.36 | 0.1 | 0.11 |
| SYD DS7 | Standard | 13.7 | 17.6 | 1.06 | 374.4 | 0.126 | 34 | 1.03 | 0.085 | 0.46 | 3.3 | 2.8 | 3.81 | 0.1 | 186 | 3.3 | 1.12 | 4.6 | 6.01 | 0.1 | 0.0 |
| SYD DS7 | Standard | 13.6 | 183.2 | 1.06 | 434.5 | 0.12 | 44 | 1.06 | 0.0 | 0.46 | 3.8 | 2.8 | 4.44 | 0.20 | 230 | 3.4 | 1.07 | 4.7 | 6.26 | 0.1 | 0.11 |
| SYD DS7 | Standard | 13.5 | 185.7 | 1.04 | 384.8 | 0.126 | 38 | 1.04 | 0.03 | 0.46 | 3.8 | 2.6 | 3.78 | 0.20 | 218 | 3.1 | 1.11 | 4.4 | 5.87 | 0.1 | 0.11 |
| SYD DS7 | Standard | 14.7 | 13.0 | 1.07 | 36.5 | 0.12 | 37 | 1.0 | 0.08 | 0.47 | 3.7 | 2.8 | 4.00 | 0.1 | 215 | 3.3 | 1.0 | 4.8 | 5.4 | 0.1 | 0.11 |
| SYD DS7 | Standard | 12.0 | 202.8 | 1.06 | 430.6 | 0.107 | 43 | 1.02 | 0.101 | 0.46 | 3.5 | 2.7 | 3.8 | 0.20 | 217 | 4.0 | 1.22 | 4.8 | 5.64 | 0.1 | 0.10 |
| SYD DS7 | Standard | 12.8 | 21.1 | 1.07 | 45.7 | 0.113 | 45 | 1.08 | 0.104 | 0.4 | 4.1 | 2.7 | 4.33 | 0.21 | 233 | 3.8 | 1.28 | 5.3 | 6.12 | 0.2 | 0.13 |
| SYD DS7 Expected | | 11.7 | 17. | 1.05 | 410 | 0.124 | 38.6 | 0.5 | 0.08 | 0.44 | 3.4 | 2.5 | 4.1 | 0.1 | 200 | 3.5 | 1.08 | 4.6 | 6.36 | 0.1 | 0.11 |
| BbK | Blank | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 0.1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 0.5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.1 | 0.02 |
| BbK | Blank | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 0.1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 0.5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.1 | 0.02 |
| BbK | Blank | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 0.1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 0.5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.1 | 0.02 |
| BbK | Blank | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 0.1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 0.5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.1 | 0.02 |
| BbK | Blank | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 0.1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 0.5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.1 | 0.02 |
| BbK | Blank | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 0.1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 0.5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.1 | 0.02 |
| BbK | Blank | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 0.1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 0.5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.1 | 0.02 |
| BbK | Blank | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 0.1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 0.5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.1 | 0.02 |
| BbK | Blank | 0.5 | 0.5 | 0.01 | 0.5 | 0.001 | 0.1 | 0.01 | 0.001 | 0.01 | 0.1 | 0.1 | 0.02 | 0.02 | 0.5 | 0.1 | 0.02 | 0.1 | 0.02 | 0.1 | 0.02 |



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 Report Date: July 1, 2010

Page: 2 of 2 Part 3

UI AbTYO CN9 YRNb REPNRY

VA9 10002, 72.1

| | | 1F15 Nb ppm 0.02 | 1F15 Rb ppm 0.1 | 1F15 Sn ppm 0.1 | 1F15 Ta ppm 0.05 | 1F15 Zr ppm 0.1 | 1F15 Y ppm 0.01 | 1F15 Ce ppm 0.1 | 1F15 In ppm 0.02 | 1F15 Re ppb 1 | 1F15 Be ppm 0.1 | 1F15 Li ppm 0.1 | 1F15 Pd ppb 10 | 1F15 Pt ppb 2 |
|----------------------|----------|---------------------------|--------------------------|--------------------------|---------------------------|--------------------------|--------------------------|--------------------------|---------------------------|------------------------|--------------------------|--------------------------|-------------------------|------------------------|
| R-A-NR2-3000 | Soil | 0.04 | 3.5 | 0.1 | MD.05 | 0.2 | 0.27 | 1.8 | MD.02 | MI | MD.1 | 0.1 | MI0 | M2 |
| REP R-A-NR2-3000 | UC | 0.05 | 3.6 | MD.1 | MD.05 | 0.2 | 0.30 | 1.8 | MD.02 | MI | MD.1 | MD.1 | MI0 | M2 |
| R-A-b5-1000 | Soil | 0.74 | 10.2 | 0.3 | MD.05 | 0.5 | 1.6, | , .0 | MD.02 | MI | 0.4 | 11.0 | MI0 | M2 |
| REP R-A-b5-1000 | UC | 0.75 | 10.8 | 0.4 | MD.05 | 0.4 | 1.70 | , .3 | 0.02 | MI | 0.4 | 10., | MI0 | M2 |
| Reference ; aterials | | | | | | | | | | | | | | |
| SYD DS7 | Standard | 0.41 | 33.3 | 5.0 | MD.05 | 4., | 5.48 | 34.2 | 1.54 | 4 | 1.4 | 27.5 | 46 | 37 |
| SYD DS7 | Standard | 0.4, | 35.2 | 4.4 | MD.05 | 4.1 | 5.51 | 33.8 | 1.43 | 4 | 1.4 | 2, 2 | 66 | 3, |
| SYD DS7 | Standard | 0.54 | 35.2 | 5.4 | MD.05 | 5.1 | 5.55 | 33.7 | 1.63 | 2 | 1.6 | 30.8 | 58 | 3, |
| SYD DS7 | Standard | 0.48 | 36.1 | 5.0 | MD.05 | 4.7 | 5.73 | 33.7 | 1.50 | 5 | 1.4 | 26.3 | 56 | 36 |
| SYD DS7 | Standard | 0.60 | 35.6 | 5.3 | MD.05 | 5.1 | 5.52 | 34.7 | 1.63 | 2 | 1.8 | 31.4 | 63 | 42 |
| SYD DS7 | Standard | 0.65 | 34.3 | 5.0 | MD.05 | 5.2 | 5.74 | 33.6 | 1.53 | 4 | 1.6 | 2, 3 | 46 | 3, |
| SYD DS7 | Standard | 0.61 | 34.5 | 5.6 | MD.05 | 4., | 6.10 | 35.5 | 1.62 | 3 | 1.5 | 2, 4 | 61 | 40 |
| SYD DS7 | Standard | 0.53 | 33.6 | 4.6 | MD.05 | 5.0 | 5.63 | 36., | 1.40 | 4 | 1.6 | 30.4 | 74 | 36 |
| SYD DS7 | Standard | 0.64 | 36.0 | 4., | MD.05 | 6.0 | 6.15 | 38., | 1.56 | 3 | 1.5 | 31.0 | 74 | 41 |
| SYD DS7 Expected | | 0.71 | 35.8 | 4.61 | | 5.4 | 5.18 | 36 | 1.57 | 4 | 1.6 | 2, 3 | 58 | 37 |
| BbK | Blank | MD.02 | MD.1 | MD.1 | MD.05 | MD.1 | MD.01 | MD.1 | MD.02 | MI | MD.1 | MD.1 | MI0 | M2 |
| BbK | Blank | MD.02 | MD.1 | MD.1 | MD.05 | MD.1 | MD.01 | MD.1 | MD.02 | MI | MD.1 | MD.1 | MI0 | M2 |
| BbK | Blank | MD.02 | MD.1 | MD.1 | MD.05 | MD.1 | MD.01 | MD.1 | MD.02 | MI | MD.1 | MD.1 | MI0 | M2 |
| BbK | Blank | MD.02 | MD.1 | MD.1 | MD.05 | MD.1 | MD.01 | MD.1 | MD.02 | MI | MD.1 | MD.1 | MI0 | M2 |
| BbK | Blank | MD.02 | MD.1 | MD.1 | MD.05 | MD.1 | MD.01 | MD.1 | MD.02 | MI | MD.1 | MD.1 | MI0 | M2 |
| BbK | Blank | MD.02 | MD.1 | MD.1 | MD.05 | MD.1 | MD.01 | MD.1 | MD.02 | MI | MD.1 | MD.1 | MI0 | M2 |
| BbK | Blank | MD.02 | MD.1 | MD.1 | MD.05 | MD.1 | MD.01 | MD.1 | MD.02 | MI | MD.1 | MD.1 | MI0 | M2 |
| BbK | Blank | MD.02 | MD.1 | MD.1 | MD.05 | MD.1 | MD.01 | MD.1 | MD.02 | MI | MD.1 | MD.1 | MI0 | M2 |
| BbK | Blank | MD.02 | MD.1 | MD.1 | MD.05 | MD.1 | MD.01 | MD.1 | MD.02 | MI | MD.1 | MD.1 | MI0 | M2 |