

**Geological Report**

on the

**Loopy Claims (1-60)**  
(YD06901-YD06910  
YE85181-YE85199  
YF20893-YF20923)

at

**the Gusty Lakes Property**

(NTS Mapsheet 095D07- NAD 83 Zone 9)  
Watson Lake Mining District  
Yukon Territory

Property Centroid: 625895E/6705738N

from

**July 6-7, and Aug 23, 2011**

for

**Harsbo Minerals Ltd.**

By

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August 15th, 2012

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# 1. Introduction

This summary and technical report details the field work completed between July 6-7, 2011 and August 23, 2011 (3 days, 10 person-days) at the Loopy claims at the Gusty Lakes Property (NTS map sheet 095D07, NAD 83 Zone 9 625895E, 6705738N), located in the Watson Lake Mining District of southern Yukon, in the Flat River-Upper Coal River area (see Figure 1). The Flat River-Upper Coal River area is prospective for mineral exploration due to low levels of exploration in the past. The property consists of 60 contiguous mineral claims Loopy Claims (YD06901-YD06910, YE85181-YE85199, YF20893-YF20923), staked to cover a regional magnetic anomaly and the several intrusive units seen in outcrop. These claims have been registered with the Mining Recorder's Office and are in good standing (see Table 1 and Figure 2, below).

Previous work done in 2010 and 2011 is included in the section titled Work History, and included mapping, soil and rock sampling, prospecting, and scintillometer surveys. Some of this prior work was done with support from the Yukon Mining Incentive Program's Focused Regional Module, and was documented in a report titled *2010 Yukon Mining Incentive Program Summary and Technical Report on the Coal and Flat Rivers IRM Project (10-162) – NTS 095D*), which was submitted to the Yukon Department of Energy, Mines and Resources (EMR). In 2011, the claims were prospected, sampled (rocks and soils) and silt samples were obtained from drainages in the surrounding area by Mackevoy Geosciences Ltd.

The 2011 program was completed by M. Burns (M.Sc. Candidate), B. Wilson and A. Brand (M.Sc.). The camp was located at the abandoned Smith River Airstrip (9V 643830E/6641612N), and access to the property was provided by a Tech Helicopters' R-44 out of Prince George.

Subsequent work was carried out later in the 2011 season, to which this 2012 report refers. This involved two days of silt and soil sampling as well as 1 day of prospecting. 194 samples (162 soil/silt samples, 32 rock samples) were collected subsequent to the 2011 assessment report filing, during the 2011 year. One hundred and sixteen of these samples fall within the claim boundaries (and as such, the Statement of Expenditures reflects sample costs, i.e., assays, for only those 116). A Bell 206 (Capital Helicopters) out of Whitehorse was used to access the property. M. Burns (B.Sc., Ph.D. Candidate), A. Brand (M.Sc.), J. Maddison, J.

Merola, W. Harman, and B. Quist (M.Sc.) were present for a total of 10 person days, between July 6 and 7<sup>th</sup>, 2011, and August 23, 2011.

Figure 1. Location of the Gusty Lakes Property and the Loopy claims.

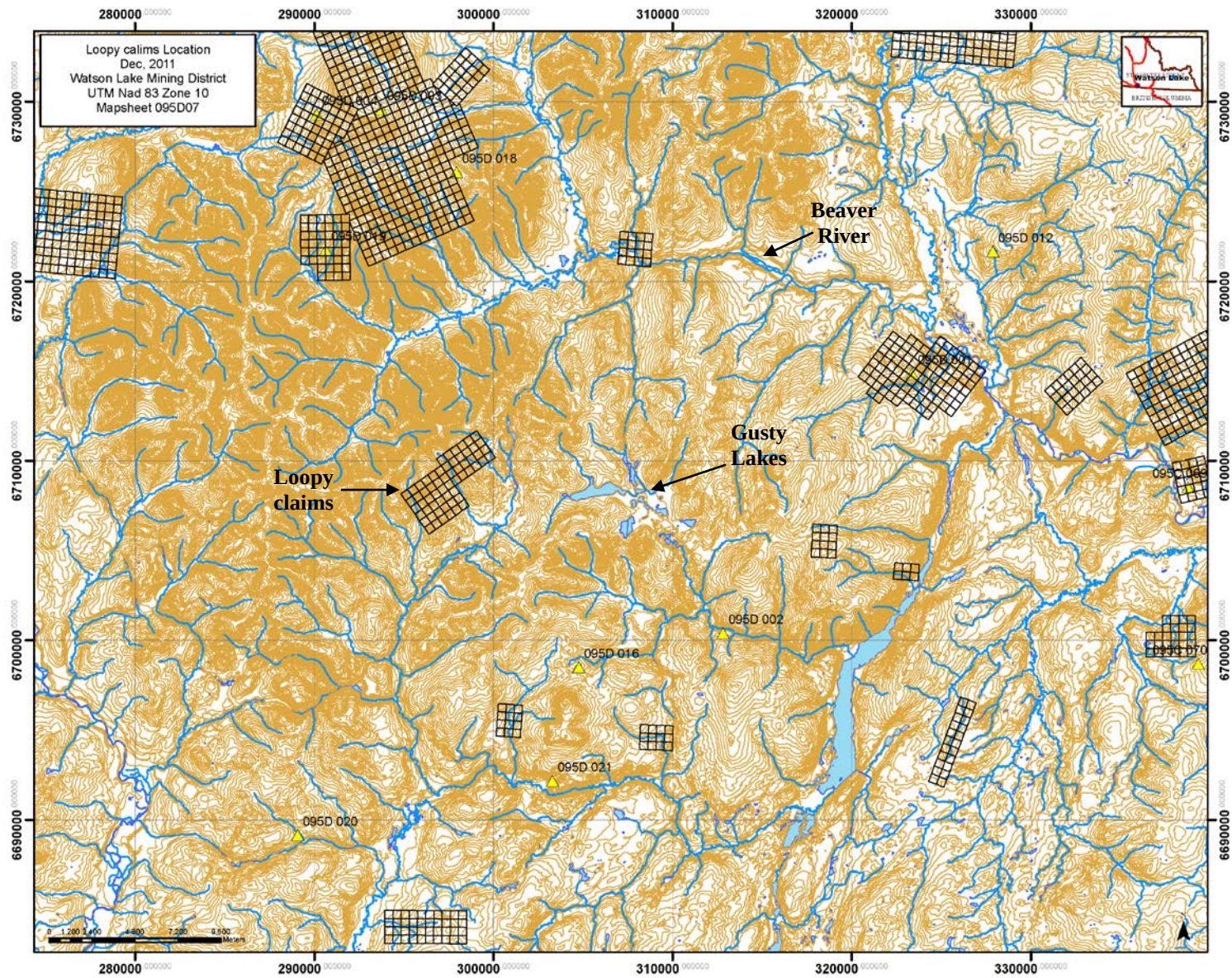
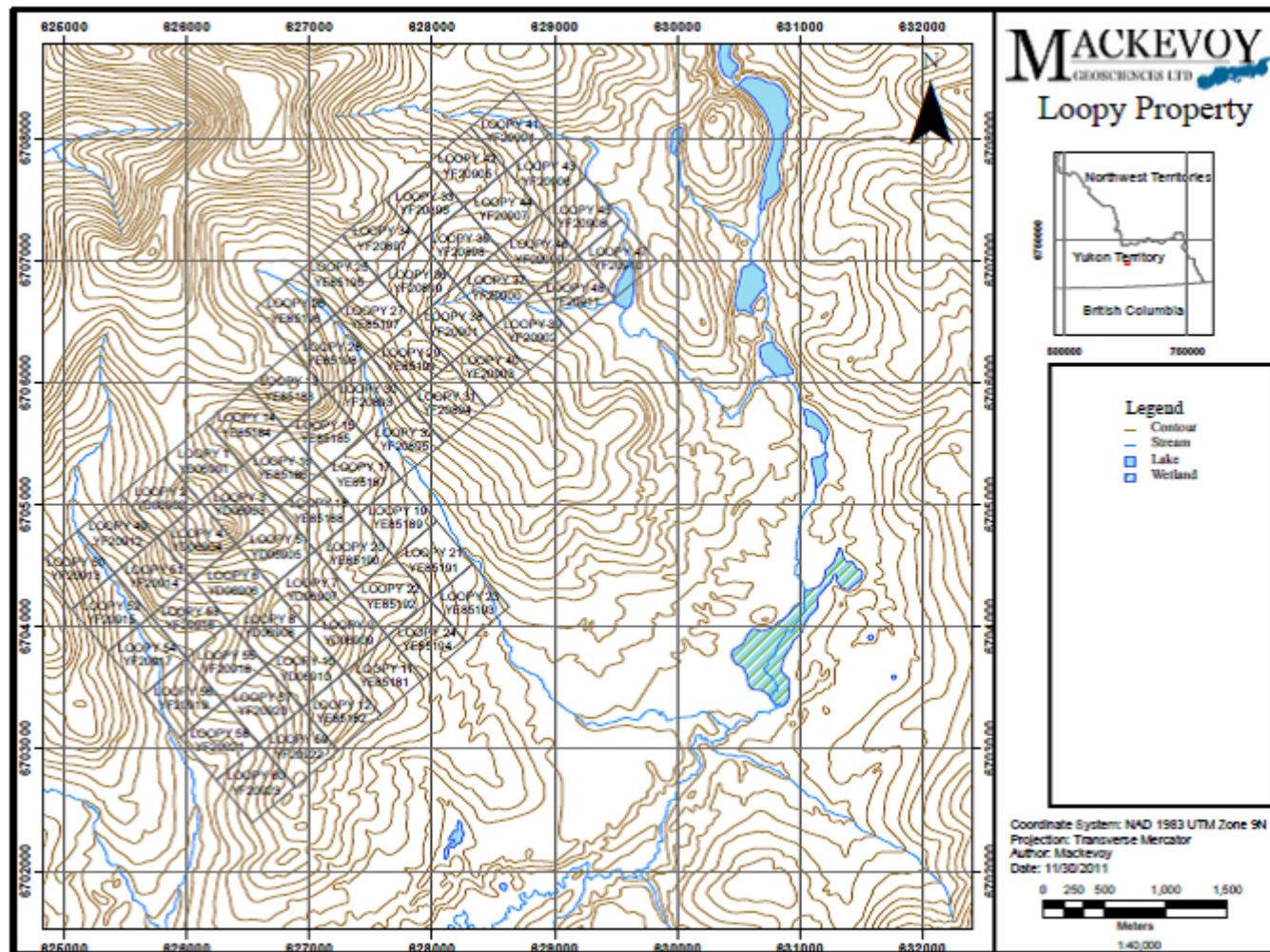


Table 1. Claims Staked at Gusty Lake Property (Loopy claims – Watson Lake Mining District)

| CLAIM    | GRANT # | OWNER NAME                  | EXPIRY DATE    | DISTRICT    |
|----------|---------|-----------------------------|----------------|-------------|
| LOOPY 1  | YD06901 | HARSBO MINERALS LTD. - 100% | 7/30/2016 0:00 | Watson Lake |
| LOOPY 2  | YD06902 | HARSBO MINERALS LTD. - 100% | 7/30/2016 0:00 | Watson Lake |
| LOOPY 3  | YD06903 | HARSBO MINERALS LTD. - 100% | 7/30/2016 0:00 | Watson Lake |
| LOOPY 4  | YD06904 | HARSBO MINERALS LTD. - 100% | 7/30/2016 0:00 | Watson Lake |
| LOOPY 5  | YD06905 | HARSBO MINERALS LTD. - 100% | 7/30/2016 0:00 | Watson Lake |
| LOOPY 6  | YD06906 | HARSBO MINERALS LTD. - 100% | 7/30/2016 0:00 | Watson Lake |
| LOOPY 7  | YD06907 | HARSBO MINERALS LTD. - 100% | 7/30/2016 0:00 | Watson Lake |
| LOOPY 8  | YD06908 | HARSBO MINERALS LTD. - 100% | 7/30/2016 0:00 | Watson Lake |
| LOOPY 9  | YD06909 | HARSBO MINERALS LTD. - 100% | 7/30/2016 0:00 | Watson Lake |
| LOOPY 10 | YD06910 | HARSBO MINERALS LTD. - 100% | 7/30/2016 0:00 | Watson Lake |
| LOOPY 11 | YE85181 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 12 | YE85182 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 13 | YE85183 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 14 | YE85184 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 15 | YE85185 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 16 | YE85186 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 17 | YE85187 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 18 | YE85188 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 19 | YE85189 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 20 | YE85190 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 21 | YE85191 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 22 | YE85192 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 23 | YE85193 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 24 | YE85194 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 25 | YE85195 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 26 | YE85196 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 27 | YE85197 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 28 | YE85198 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 29 | YE85199 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 30 | YF20893 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 31 | YF20894 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 32 | YF20895 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 33 | YF20896 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 34 | YF20897 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 35 | YF20898 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 36 | YF20899 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 37 | YF20900 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 38 | YF20901 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |

| CLAIM    | GRANT # | OWNER NAME                  | EXPIRY DATE    | DISTRICT    |
|----------|---------|-----------------------------|----------------|-------------|
| LOOPY 39 | YF20902 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 40 | YF20903 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 41 | YF20904 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 42 | YF20905 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 43 | YF20906 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 44 | YF20907 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 45 | YF20908 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 46 | YF20909 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 47 | YF20910 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 48 | YF20911 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 49 | YF20912 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 50 | YF20913 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 51 | YF20914 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 52 | YF20915 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 53 | YF20916 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 54 | YF20917 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 55 | YF20918 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 56 | YF20919 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 57 | YF20920 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 58 | YF20921 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 59 | YF20922 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |
| LOOPY 60 | YF20923 | HARSBO MINERALS LTD. - 100% | 8/23/2012 0:00 | Watson Lake |

Figure 2. Claim locations for Loopy 1-60.



## **2. Location and Accessibility**

The project is located in southeast Yukon Territory (50 km from the B.C. border, see Fig. 1), and lies just west of Gusty Lakes and south of the Beaver River. It is accessible via helicopter from Watson Lake airport (120 km to Loopy), or from the Smith River airstrip (60 km to Loopy), which is itself accessed via a road extending off the Alaska Highway. Just to the west of the Loopy claims is the Hyland Gold project. The Gusty Lakes property physiography is characterized by a spruce-forested, NW-SE trending ridge, and bare knobs above the 1300 meter tree line. Lower areas are quite swampy and limit helicopter access points; clearing of pads is recommended for ground work. Total relief is 300 m.

### **3. Property History**

#### **Work done prior to 2010**

The 095D mapsheet has seen little exploration compared to other areas in the Yukon due to limited access and limited public geoscience data. In the early 1970's the government sponsored a mapping project in the Flat River (Gabrielse, 1973). Heffernan (2004) described a regional study of mid-Cretaceous intrusions that included parts of the Coal and Flat Rivers. The Mineral, Energy, and Resource Assessment (MERA) study by Wright et al. (2007) covered some of the area and included work by Rasmussen et al. (2007), Yuvan et al. (2007) and Caron et al. (2007). The most recent work in the area was conducted by the YGS in 2009 and 2010; the project consisted of an extensive mapping project on mapsheet 095D by Pigage et al. (2010). Industry exploration was conducted by "Archer Cathro" in the late 1970's and early 1980's, primarily for tungsten mineralization. During the course of their exploration, they identified several granite outcrops that were not included on regional geological maps until recently (Pigage et al., 2009). Recent work by industry has focused on gold mineralization in the vicinity of the Hyland Gold claims (e.g., Jones, 1997).

#### **Previous work completed in 2010**

Previous work done in 2010 (prior to the claims being staked) is summarized below, and included mapping, soil and rock sampling, prospecting, and scintillometer surveys. This work was done with support from the Yukon Mining Incentive Program's Focused Regional Module, and was documented in a report titled *2010 Yukon Mining Incentive Program Summary and Technical Report on the Coal and Flat Rivers IRM Project (10-162) – NTS 095D*, which was submitted to the Yukon Department of Energy, Mines and Resources (EMR).

#### **Scintillometer Survey (2010)**

The scintillometer survey was conducted with a portable hand-held radiation spectrometer survey instrument, the RS-125 Super-SPEC. The scintillometer was equipped with a Bluetooth GPS unit enabling data is continuously logged. The unit was carried while on traverse and the data was downloaded each night and plotted to identify areas that have high radiometric values. Figure 3, below, shows a map of the Gusty Lakes camp area with the

scintillometer data overlain. The survey was conducted from the 17<sup>th</sup> to the 19<sup>th</sup> of July in 2010 and was approximately 4.3 line km long. Locally elevated K (Figure 4) and Th (Figure 5) responses could indicate bedrock of granitic character against other volcanic and sedimentary sequences with lower responses.

Figure 3. Graphical Representation of Scintillometer Survey for Gusty Lakes Camp (scintillometer values in counts per second, cps)

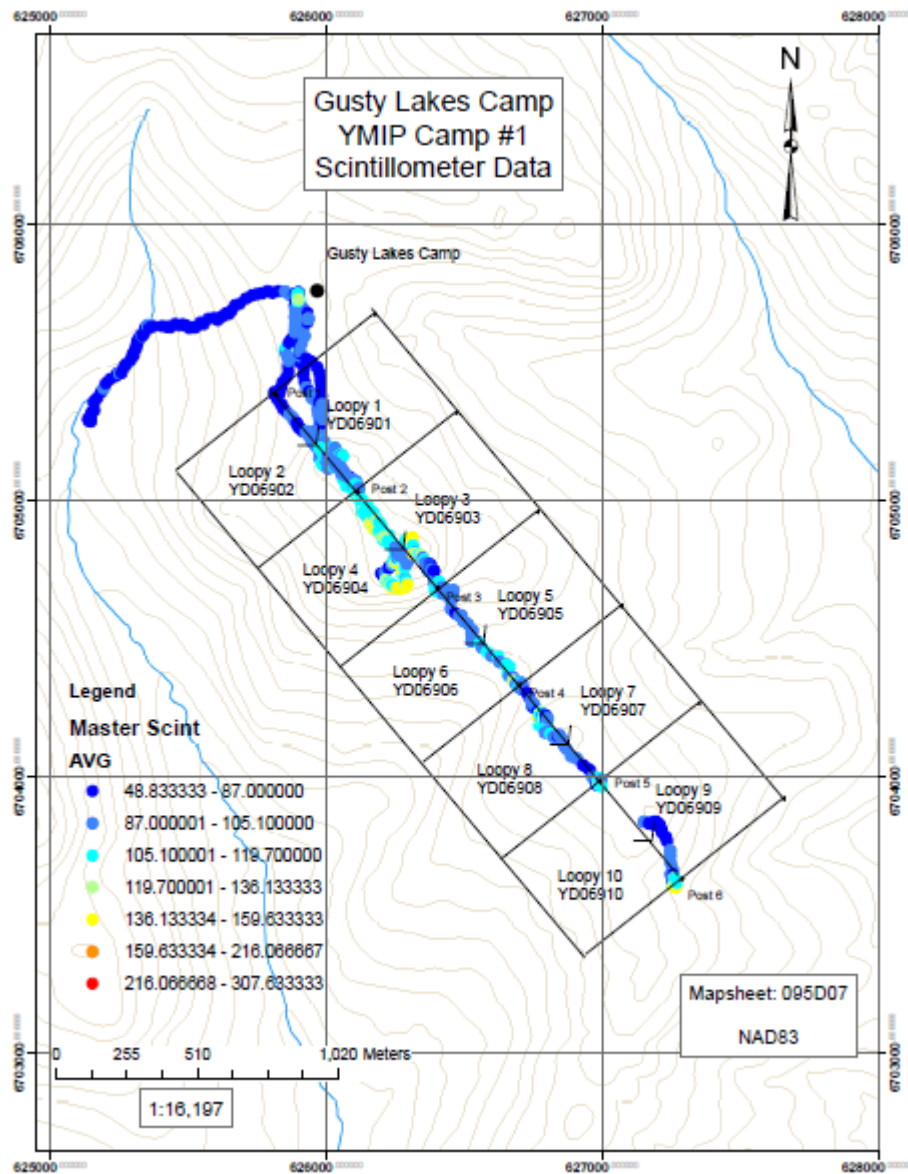


Figure 4. Graphical Representation of Potassium Values from the Scintillometer Survey for Gusty Lakes Camp (scintillometer values in counts per second, cps)

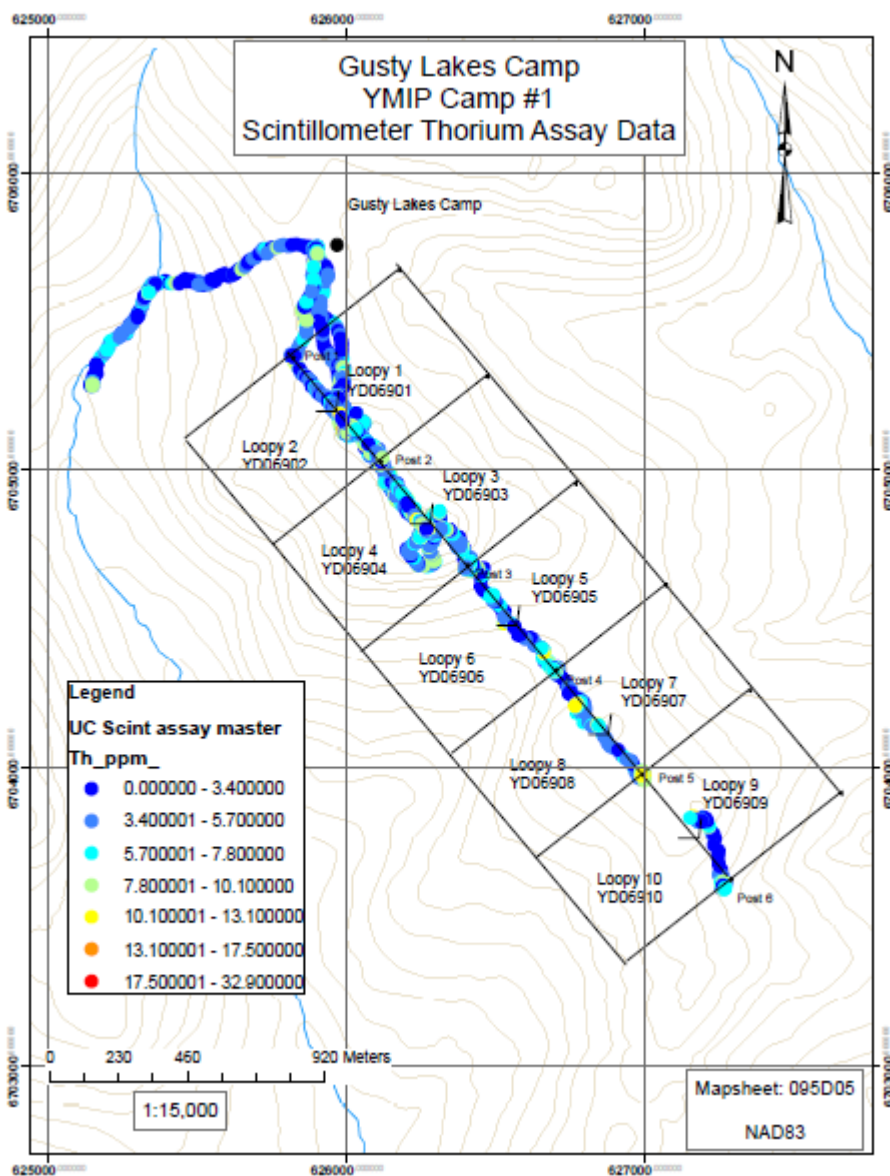
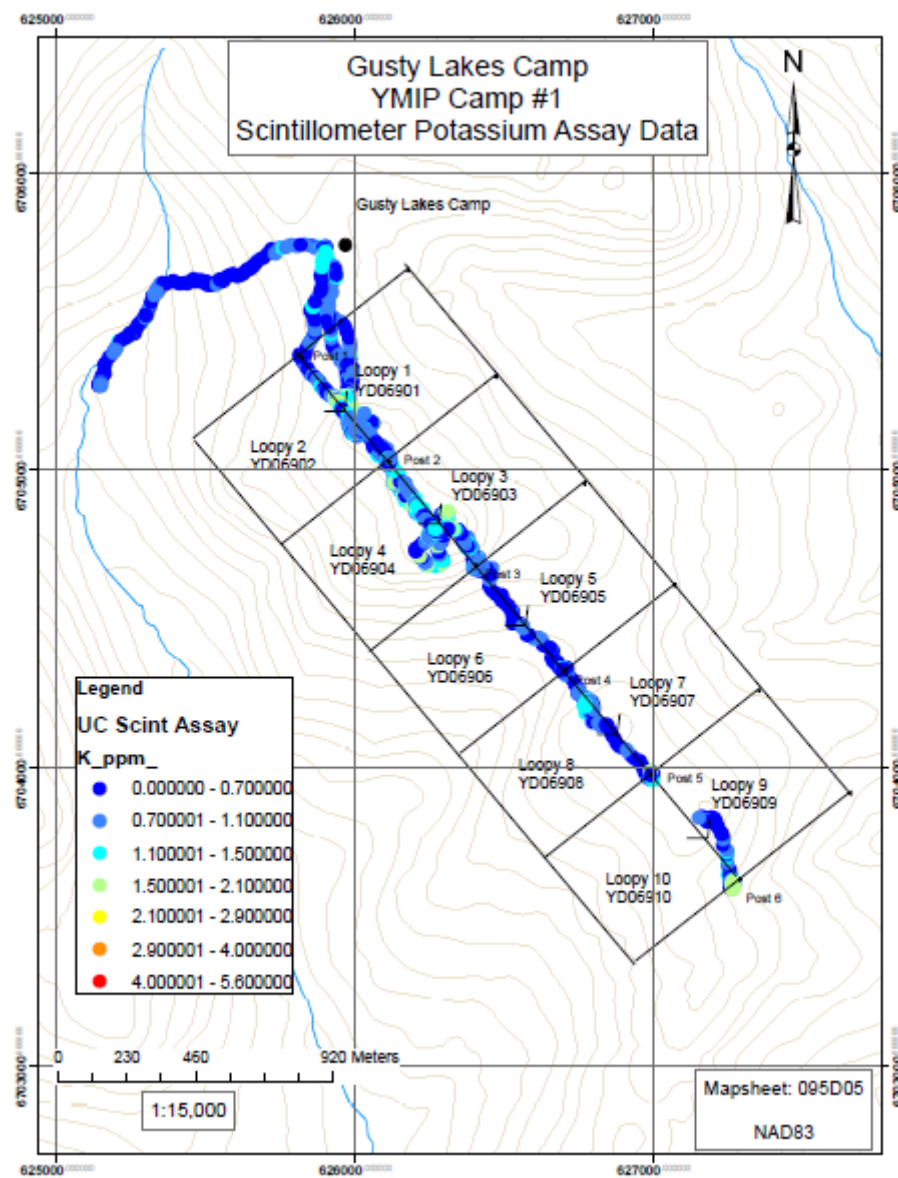


Figure 5. Graphical Representation of Thorium Values from the Scintillometer Survey for Gusty Lakes Camp (scintillometer values in counts per second, cps)



## Geological Mapping (2010)

Mapping was conducted each day on traverse by hand (see Figure 6, below). GPS points were taken at key outcrop or float locations to ensure easy return to the area and accurate mapping.

### Descriptions of rock types on the Gusty Lakes geological map:

**Basalt:** contains blebs/in-filled veins of calcite, as well as calcite-filled amygdules and finely disseminated sulphides. The sulphides generally occur near or in calcite veins or in heavily altered zones. The basalt occasionally contains xenoliths of a rock that is lighter in colour and coarser-grained than the basalt, possibly a quartz-monzonite. Slickensides were also present on some planar surfaces.

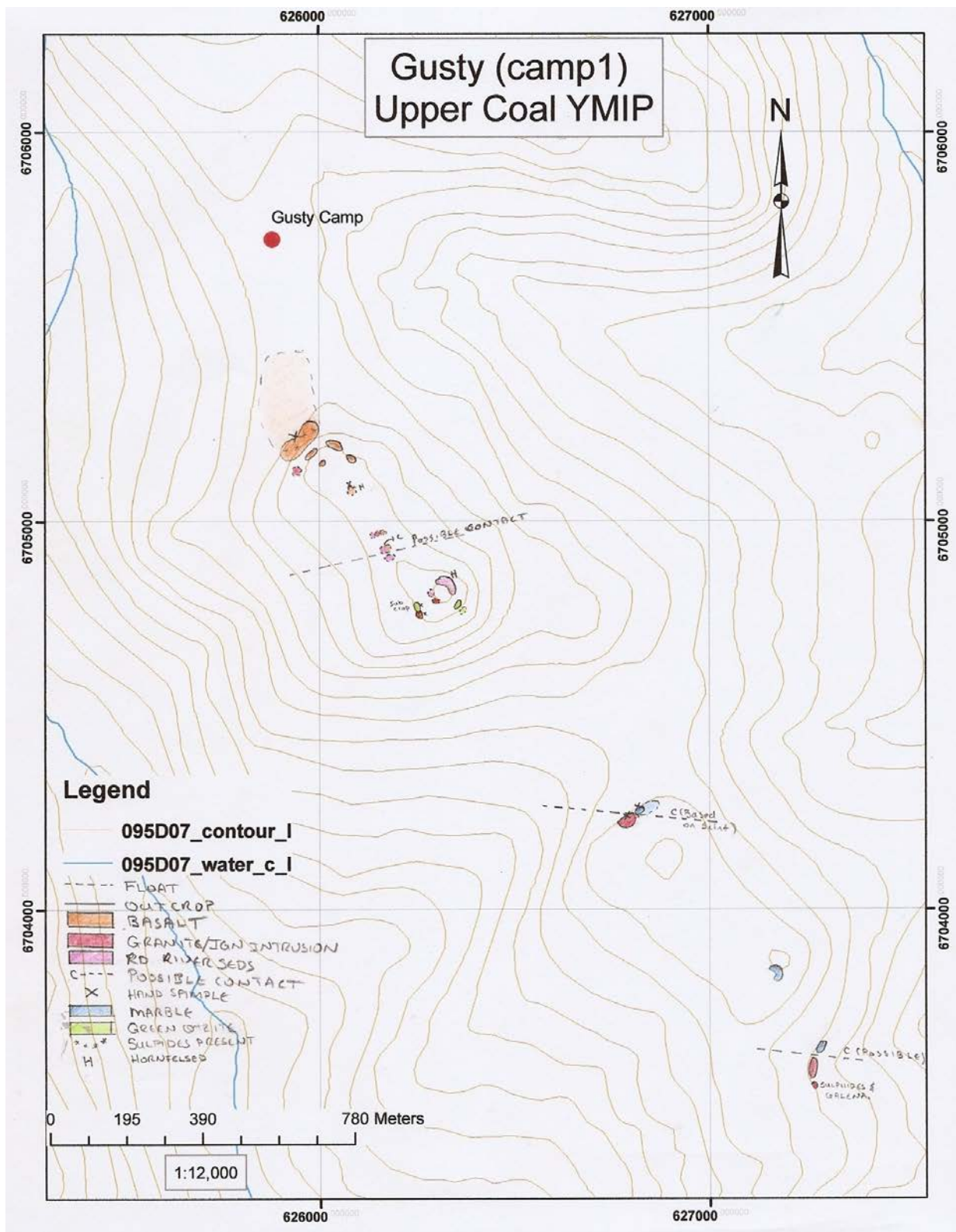
**Granite/Igneous Intrusion:** Biotite-hornblende-granite that contains euhedral biotite (2 mm to 1 cm), quartz, plagioclase, hornblende. Finely disseminated sulphides are present and galena was noted in one location. The scintillometer count was higher over igneous rocks (~200 cps), background is ~100 cps.

**Road River Sediments:** Banded black and light blue to grey in colour, no reaction with acid, possibly a dolostone. Scintillometer counts go up to ~260 cps (background is ~100 cps). The rocks can be hornfelsed in some locations, with sulphides (probably arsenopyrite and pyrite).

**Marble:** Banded white, black and grey marble, low scintillometer value. Skarning occurs where the marble is in contact with the igneous intrusion. The skarn contains finely disseminated scheelite and diopside. Due to the difference in scintillometer values between the marble and the granite, a possible contact exists between the two running ~100°.

**Green quartzite:** Grey-green in colour. The quartzite contains quartz-calcite veins, and finely disseminated sulphides.

Figure 6 - Geological Map of the Gusty Lake Area (2010)

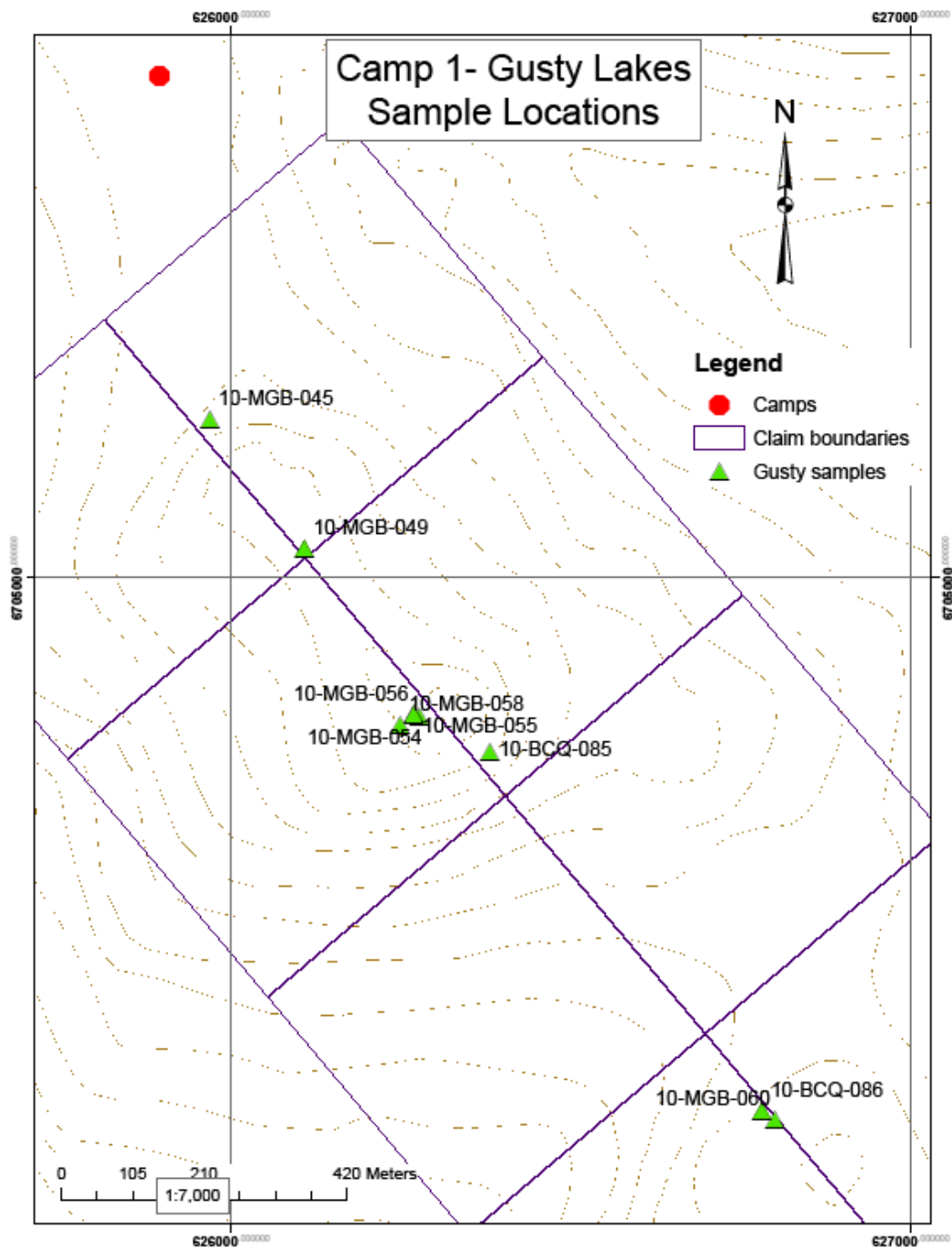


## Sample Descriptions and Locations (2010)

Table 2 - Sample Descriptions from the Gusty Lakes Camp

| Sample ID  | Location              | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10-MGB-045 | 9 V 625969<br>6705232 | Brecciated intrusive (two phases visible), unweathered (or carbonatite? – both phases are very calcite rich, fizzy), or xenolith in intrusive. Xenolith (typically 10-15 cm and angular with fsp phenocrysts) is mgr, pale green felsic, with white muscovite, green amphibole/pyx, yellow sulphide (Po?) – blebs and fracture fill, plus two different porphyritic black minerals: dark grey qtz eyes/biot? Main host igneous: mgr, dark grey with white matrix (minor) = layered? Sulphide here too, fgr, alters like a volcanic or a diatreme – almost like green vesicular basalt (calcite infilled amygdules). Possibly volcanic –trachyte? Silicified zones appear to have more sulphides. Non-fluorescent. Outcrop plus talus float. Some slickensides and presence of minor serpentine. |
| 10-MGB-049 | 9 V 626108<br>6705043 | Very vuggy, altered, hard to tell original rock type (qtz, NOT cc infill). Possibly calc-silicate? Skarn – gar-pyx (green+ red/brown minerals). Minor sulphide. Boulder float.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 10-MGB-054 | 9 V 626277<br>6704796 | Hydrothermal breccia, highly porous and vuggy, qtz-cc (mainly vein material) with massive and abundant galena (euhedral cubes up to 2-3 mm), consists at least 50% of sample. Very dense; minor limonite alteration but largely unaltered and coarse-grained. From float.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 10-MGB-055 | 9 V 626269<br>6704800 | Skarned limestone: wollastonite + calcite + diopside (minor epidote), muscovite, minor garnet, (massive, fgr-mgr; grossular or diopside), clay alteration. From float.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 10-MGB-056 | 9 V 626268<br>6704798 | Mgr-cgr looks intrusive but its fizzing (!) – alt'd amphibole-biotite intrusive? Green-grey, from igneous float zone.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 10-MGB-058 | 9 V 626249<br>6704783 | Porphyritic intrusive, large black biotite (up to 1 cm across, avg 5 mm, and 1 cm long), possible minor amphibole and quartz phenocrysts. Matrix of qtz, fsp, and fine-grained, disseminated sulphides (yellow; po and py?, in veinlets and fracture fill as well). Minor epidote alteration. Local subcrop. YGS geochronology sample from this location (biot-hbld granite)                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 10-MGB-060 | 9 V 626800<br>6704203 | Limestone/marble (borderline) – skarn? – epidote alteration (or pyx/diop?), silicified...fine-grained scheelite present (seen with UV lamp). Sericite or albite alteration, pyx, wollastonite and maybe garnet are minor. Outcrop, located near inferred contact with intrusive.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 10-MGB-063 | 9 V 647186<br>6706956 | Hydrothermal breccia (intrusive protolith). Vuggy (euhedral qtz), qtz-calcite (infill – minor, late phase?) + galena (minor in this sample), fsp, altered amphibole relict phenocrysts + some other mica (biot?). Taken from abundant mafic float.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 10-BCQ-085 | 9 V 626381<br>6704743 | Moderately oxidizing and altered chloritic schist (tal-argillitic alt'n?) material seems to be protolith, but goethite/limonite altered with porous and silicified texture – foliated. Rare, dark brown oxide (sulf?). Also sampled minor amount of qtz-pebble conglomerate.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 10-BCQ-086 | 9 V 626781<br>6704216 | Porphyritic dark grey intrusive (fsp +/- nepheline/feldspathoid??) black biotite, possible minor amphibole, and quartz pheno's. Biot is euhedral and hexagonal. Disseminated pyrite or Po. More chalcopyrite, calcite, and pyrite on fracture faces. Epidote alteration. From (local) subcrop on flanks of a topographic high. 200 cps on scint. (Scint assay point: Th: 12.5 ppm; U: 1.9 ppm; K ~3 %).                                                                                                                                                                                                                                                                                                                                                                                         |

Figure 7. Sample locations for 2010, Loopy Claims.



### **Assay Results (2010)**

Assay results from selected samples in 2010 from Gusty Lakes are displayed below in Table 3. All samples were submitted to ALS Group, and all values are listed in ppm (Au was analyzed via fire assay – program Au-AA23, and all other elements were analyzed via ICP-MS program MEMS-81).

Table 3 - Assay Results (ppm, except Au) for Samples from Gusty Lakes (2010)

| Sample   | 10-BCQ-084 | 10-BCQ-085 | 10-BCQ-086 | 10-MGB-045 | 10-MGB-049 | 10-MGB-054 | 10-MGB-055 | 10-MGB-056 | 10-MGB-058 | 10-MGB-060 | 10-MGB-059 |
|----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Type     | Silt       | rock       | rock       | rock       | rock       | rock       | rock       | rock       | rock       | rock       | soil       |
| Au (ppb) | <0.005     | <0.005     | <0.005     | <0.005     | 0.01       | <0.005     | <0.005     | <0.005     | <0.005     | 0.01       | <0.005     |
| Ag       | 1          | <1         | <1         | <1         | 1.00       | <1         | <1         | <1         | <1         | <1         | <1         |
| Ba       | 448        | 378.0      | 626.0      | 622.0      | 80.60      | 89.90      | 210.0      | 880.0      | 668.0      | 17.90      | 605.0      |
| Ce       | 52.1       | 12.40      | 46.80      | 53.80      | 25.10      | 7.60       | 14.90      | 56.10      | 42.90      | 36.20      | 53.50      |
| Co       | 9.8        | 4.30       | 8.60       | 24.10      | 4.40       | 1.10       | 7.80       | 8.50       | 8.10       | 1.00       | 8.00       |
| Cr       | 60         | 20.00      | 20.00      | 110.0      | 30.00      | 20.00      | 10.00      | 10.00      | 10.00      | <10        | 50.00      |
| Cs       | 3.06       | 2.11       | 4.25       | 6.87       | 4.76       | 1.21       | 0.58       | 3.07       | 1.93       | 0.21       | 10.45      |
| Cu       | 1050       | 97.00      | 12.00      | 81.00      | 17.00      | 28.00      | 9.00       | 11.00      | 53.00      | 5.00       | 27.00      |
| Dy       | 3.04       | 0.79       | 2.90       | 4.33       | 1.41       | 0.48       | 0.91       | 3.03       | 2.93       | 1.39       | 2.81       |
| Er       | 1.83       | 0.46       | 1.86       | 2.29       | 0.66       | 0.28       | 0.46       | 1.84       | 1.81       | 0.75       | 1.89       |
| Eu       | 0.92       | 0.32       | 1.03       | 1.83       | 0.79       | 0.14       | 0.35       | 1.14       | 1.04       | 0.47       | 0.71       |
| Ga       | 9.6        | 7.80       | 20.70      | 18.50      | 3.70       | 4.70       | 3.70       | 20.50      | 19.50      | 1.70       | 16.10      |
| Gd       | 3.97       | 0.99       | 3.61       | 5.51       | 2.13       | 0.52       | 1.48       | 4.10       | 3.61       | 2.20       | 3.32       |
| Hf       | 7.7        | 1.30       | 3.80       | 4.20       | 1.30       | 0.50       | 0.80       | 4.00       | 3.50       | 0.90       | 6.80       |
| Ho       | 0.61       | 0.15       | 0.60       | 0.81       | 0.24       | 0.09       | 0.17       | 0.61       | 0.61       | 0.27       | 0.59       |
| La       | 27.1       | 6.90       | 24.20      | 25.50      | 15.00      | 4.10       | 6.60       | 29.70      | 21.80      | 17.70      | 26.80      |
| Lu       | 0.23       | 0.07       | 0.28       | 0.26       | 0.07       | 0.04       | 0.06       | 0.27       | 0.28       | 0.09       | 0.27       |
| Mo       | <2         | 58.00      | 3.00       | <2         | 7.00       | 5.00       | <2         | <2         | <2         | <2         | 3.00       |
| Nb       | 14.7       | 2.40       | 9.20       | 30.00      | 6.40       | 1.20       | 1.10       | 11.60      | 9.20       | 2.80       | 21.00      |
| Nd       | 23.3       | 5.20       | 20.80      | 28.80      | 12.10      | 3.00       | 6.30       | 24.70      | 19.50      | 14.10      | 20.70      |
| Ni       | 30         | 5.00       | 5.00       | 34.00      | 6.00       | 5.00       | 10.00      | 6.00       | 5.00       | <5         | 18.00      |
| Pb       | 30         | <5         | 7.00       | 5.00       | 13.00      | 67.00      | 10.00      | 12.00      | 9.00       | <5         | 79.00      |
| Pr       | 6.2        | 1.34       | 5.38       | 6.82       | 2.99       | 0.86       | 1.56       | 6.39       | 4.95       | 3.77       | 5.62       |
| Rb       | 65.2       | 61.10      | 83.10      | 71.10      | 38.10      | 13.70      | 33.10      | 92.30      | 70.90      | 1.40       | 110.0      |
| Sm       | 4.25       | 1.01       | 3.97       | 5.84       | 2.33       | 0.61       | 1.43       | 4.38       | 3.67       | 2.27       | 3.36       |
| Sn       | 2          | 2.00       | 1.00       | 1.00       | 1.00       | 1.00       | 1.00       | 1.00       | 1.00       | <1         | 2.00       |
| Sr       | 61.8       | 69.30      | 438.0      | 266.0      | 15.90      | 31.90      | 25.80      | 380.0      | 436.0      | 64.40      | 79.50      |
| Ta       | 1.3        | 0.30       | 0.80       | 1.80       | 0.50       | 0.50       | 0.20       | 0.90       | 0.80       | 0.30       | 1.80       |
| Tb       | 0.54       | 0.14       | 0.52       | 0.81       | 0.28       | 0.08       | 0.19       | 0.56       | 0.52       | 0.27       | 0.47       |
| Th       | 7.44       | 2.32       | 7.13       | 3.91       | 1.61       | 1.00       | 2.00       | 8.16       | 6.85       | 1.33       | 8.60       |
| Tl       | 0.6        | 0.80       | 0.90       | 0.70       | 0.50       | <0.5       | <0.5       | 0.60       | <0.5       | <0.5       | 1.30       |
| Tm       | 0.25       | 0.08       | 0.27       | 0.30       | 0.09       | 0.06       | 0.06       | 0.26       | 0.26       | 0.10       | 0.29       |
| U        | 2.06       | 1.07       | 1.94       | 1.01       | 4.55       | 1.42       | 0.70       | 1.64       | 2.01       | 0.70       | 2.69       |
| V        | 89         | 73.00      | 96.00      | 193.0      | 42.00      | 20.00      | 47.00      | 92.00      | 97.00      | 9.00       | 121.0      |
| W        | 6          | 143.0      | 2.00       | 2.00       | 9.00       | 12.00      | 49.00      | 1.00       | 3.00       | 41.00      | 9.00       |
| Y        | 17.3       | 4.10       | 16.20      | 20.80      | 7.30       | 2.70       | 4.60       | 16.20      | 16.00      | 9.10       | 15.80      |
| Yb       | 1.66       | 0.49       | 1.80       | 1.77       | 0.51       | 0.24       | 0.39       | 1.74       | 1.77       | 0.56       | 1.76       |
| Zn       | 148        | 40.00      | 56.00      | 78.00      | 117.0      | 253.0      | 105.0      | 79.00      | 64.00      | 44.00      | 217.0      |
| Zr       |            | 46.00      | 133.0      | 166.0      | 49.00      | 19.00      | 26.00      | 146.0      | 123.0      | 37.00      | 263.0      |

## 4. Regional Geology

The geology of the Upper Coal River is dominated by rocks of the eastern margin of the Selwyn basin and mid-Cretaceous granitic intrusions. The marine sedimentary rocks range in age from Proterozoic to Devonian and in general grade from clastic sediments to the west (Crow Formation of the Selwyn Basin) to carbonate sediments in the east (McDonald Platform). Intrusive rocks of the Upper Coal River are dominated by the Upper Coal Batholith whose main lobe crosses into the NWT; smaller plutons are periodically exposed along the length of the watershed divide.

Granitoids in the area are variably evolved and range from homogenous equigranular granodiorite to multi-stage intrusives which can contain tourmaline- and beryl-bearing two mica granites, pegmatite dykes, aplites and quartz veins. Cu-Pb-Zn skarns are located in the area and tungsten-bearing skarns are located along the margins of some of the plutons. Work by Rasmussen et al. (2007) and Bezzola (2009) suggests that there may be a younger intrusive suite that weathers recessively.

The three main units encountered in the area are the Hyland Group, the Crow Formation and the Sunblood Formation. A description of each unit (from Pigage et al., 2009) follows:

### Sunblood Formation (encountered at Gusty Lakes):

Consists of light to dark grey, light brownish grey-, buff- or orange-weathering, mottled, thin- to thick-bedded dolostone or limestone; commonly bioturbated; locally laminated. Another group in the Sunblood Formation consists of greyish green to green, grey-weathering, thick bedded basaltic lapilli tuffs and breccias interbedded with amygdaloidal, vesicular or massive, pillowed basaltic flows. It is Ordovician in age.

### Crow Formation (encountered at 3 Bally Lakes):

Cream to pink, indistinctly bedded, quartzose to subarkosic sandstone; lesser maroon to greyish red, laminated siltstone to argillite; minor quartz-sandstone conglomerate, limestone and dolostone interbeds; it is correlative with the Rabbitkettle Formation. It is Cambrian to Ordovician in age.

Vampire Formation-Narchilla Formation (Hyland Group) (Located at Beverly Lakes):

Dark grey to pale green, rusty tan-weathering, non-calcareous, pin-striped silty phyllite; lesser cream, quartzose sandstone and light grey-weathering siltstone; minor quartzose pebbly conglomerate to sandstone and grey, pebbled limestone; locally metamorphosed to biotite-garnet-staurolite schist: trace interbedded silky, non-calcareous, maroon phyllite. It is Neoproterozoic to Cambrian in age.

Middle Cretaceous intrusives are mapped at Gusty Lakes and consist of medium to dark grey, medium-grained, equigranular to porphyritic, biotite +/-hornblende granodiorite; typically it contains disseminated magnetite.

## 5. Property Geology

The geology observed and mapped on the property (dominantly in 2010), as well as the samples collected from the area around the Gusty Lakes camp in both 2010 and 2011, indicates the presence of a previously unmapped intrusive that is intruding limestone (of the Sunblood formation). The Yukon Geological Survey found intrusive float in the area while mapping the 095D mapsheet, but they did not locate intrusive outcrop. Intrusive outcrop was located and sampled during the 2010 program, and was further sampled in 2011, and a new area of intrusive outcrop was seen while prospecting (along with skarn mineralization at the contacts) during subsequent 2011 exploration. The contact between the intrusive unit and the limestone unit is promising for mineralization. UV lamping revealed fluorescent blue grains that are most likely scheelite and the intrusive samples collected contain visible sulphides.

There were locations where the intrusive outcrop and marble outcrop were in close proximity. In both cases, the contact between the two appeared to be striking  $\sim 100^\circ$ . In the location closer to camp, the contact was determined by using the scintillometer. The difference in counts per second (cps) between the marble and the intrusive was noted, and used to determine approximately which direction the contact was running. In the second location, small ridges are present which also trend  $\sim 100^\circ$ . The presence of these ridges and the location of marble and intrusive in the area with respect to the ridges, as well as the scintillometer readings, indicates that the contact between the marble and intrusive is likely oriented  $100^\circ$ . Due to the similarity in trends between the two contacts, it is possible that the intrusives are dykes or sills from an undiscovered stock or plug. The locations where intrusive outcrop were found show a higher value on the scintillometer maps, indicating that the scintillometer is a useful mapping and exploration tool in this area.

## 6. Current Mineral Exploration

### 6.1 Prospecting and sampling

The 2011 Loopy claims assessment work program was designed to follow up on the initial findings of the 2010 YMIP project (as described above). Prospecting of all 60 claims was conducted over the course of the field program, while rock, soil, and silt sampling was conducted on and off the claims, in the surrounding area.

A variety of samples were taken based on geological affinity and hand sample mineralogy. Samples originated largely from outcrops of intrusive and sedimentary origin. One hundred and sixty two (162) soil samples and 32 rock samples were collected from the Loopy property during the 2011 field season. Numerous silt samples were also collected from the streams draining the property.

Assays can be found in the accompanying certificates. Samples were submitted to Acme Labs Ltd in Vancouver, BC. Silts and soils were dried at 60°C and sieved to 80 mesh, while rocks were crushed to 80% passing 10 mesh, split 250 g and pulverized to 85% passing 200 mesh. A full suite of 45 elements was analyzed via the 4-BO2 program.

Notable results include:

- Anomalous arsenic (As) values on the property; arsenic is a commonly used pathfinder for gold. The average As in silt during the Harsbo regional generative was 17 ppm; there were 14 values from the property that measured over 30 ppm with the highest value being 59.5 ppm.
- Anomalous gold (Au) was found on the property, both in soil and in rock samples. Rock sample 11-MGB-090 registered 162.4 ppb, which is significantly higher than the property average of 6.5 ppb Au.
- Cobalt (Co) was elevated on the property in soils and rocks with a high value of 43.1 ppm in rock sample 11-MGB-287.
- Tungsten (W) was elevated in silts, soils and rocks on the property. Rock sample 11-AAB-0060 contained 137 ppm W (property average was 6 ppm), soil sample 11-MGB-351 contained 226 ppm W (property average was 8.4 ppm) and silt sample 11-MGB-294 contained 64 ppm W.

- Molybdenum (Mo) was elevated on the property; a high of 294.7 ppm was measured in rock sample 11-MGB-091 (property average was 14 ppm).
- Lead (Pb) was elevated (>100 ppm) in three silt samples collected from streams draining the property. Rock samples 11-MGB-091 (6766 ppm), 11-BSW-103 (1899 ppm), 11-MGB-090 (1138 ppm), 11-MGB-350 (945 ppm), 11-MGB-092 (790 ppm) and 11-AAB-0064 (775 ppm) all contained elevated amounts of lead. The property mean was 400 ppm Pb.
- Zinc was elevated in sample 11-MBG-091 (3708 ppm) to almost 60 times the background value (183 ppm) of the property.

Figure 8 shows the sample locations along with Au results, Figure 9 shows W results, and Figure 10 shows Pb results. Table 4 lists sample locations with UTM coordinates and summarized descriptions of the samples collected earlier in 2011. Table 5 lists those samples collected after 2011 assessment was filed.

Figure 8. Sample Location Map for the Loopy claims (2011), along with Au values.

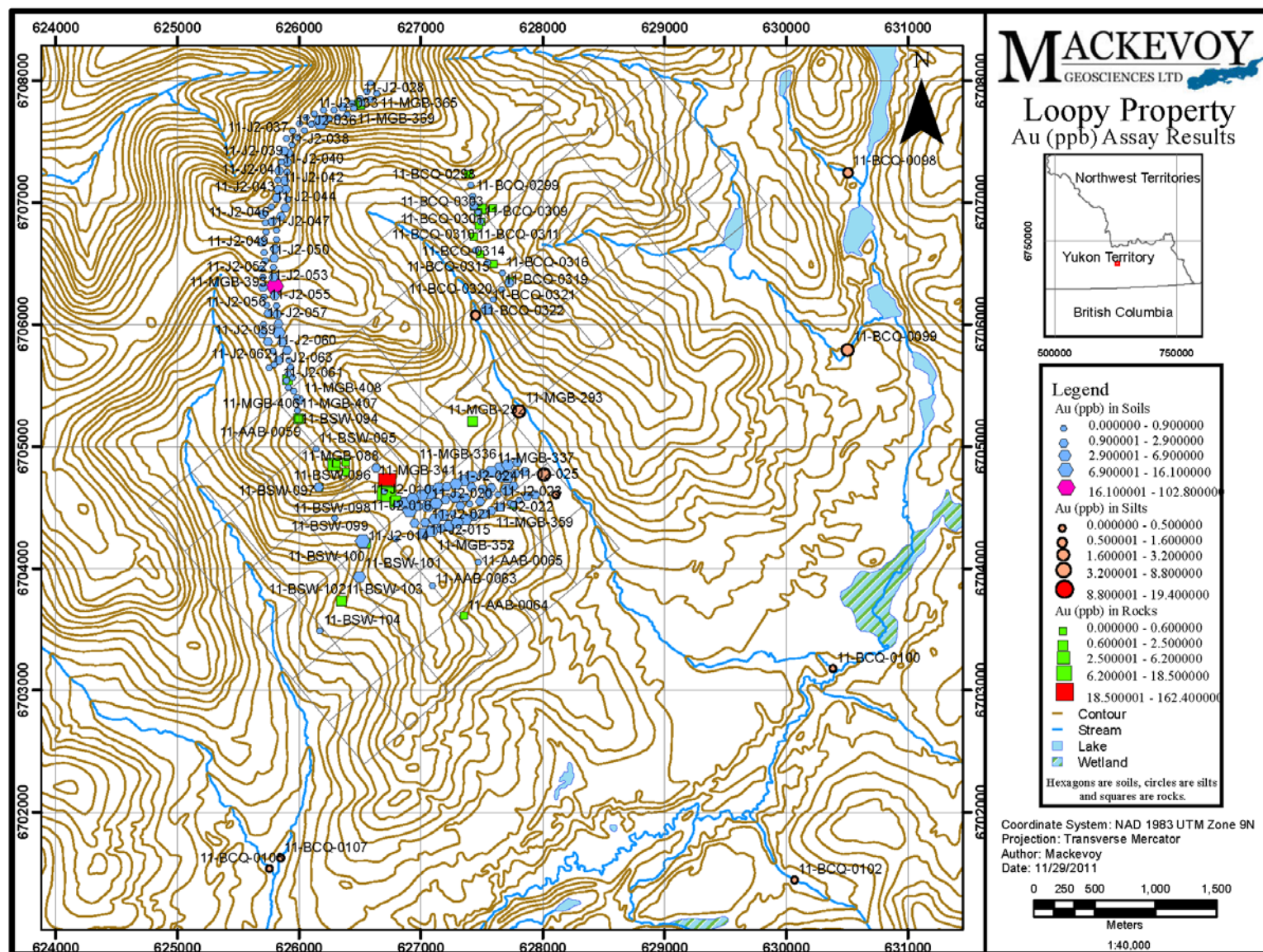


Fig. 9 Tungsten results.

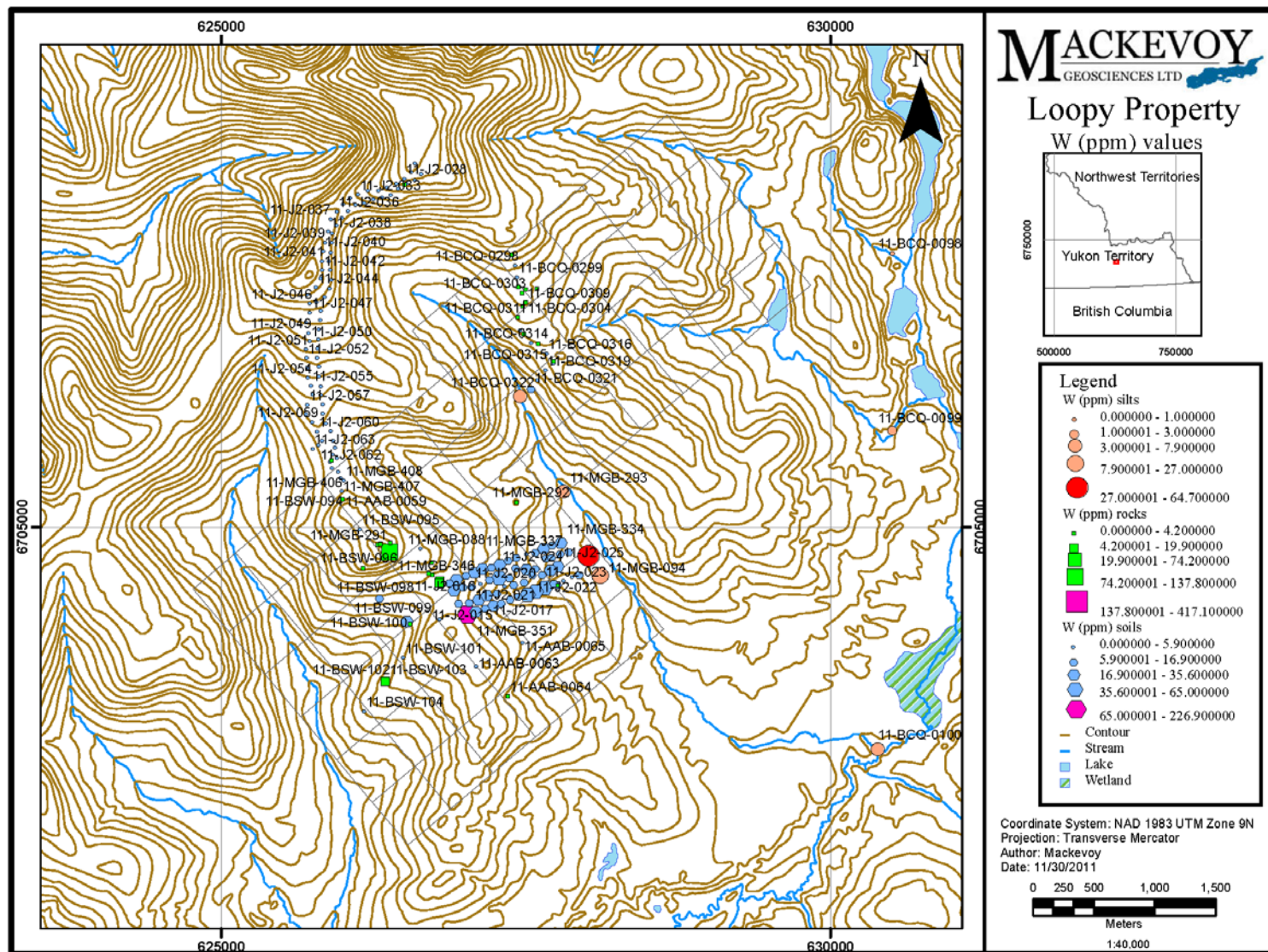


Fig. 10. Pb results.

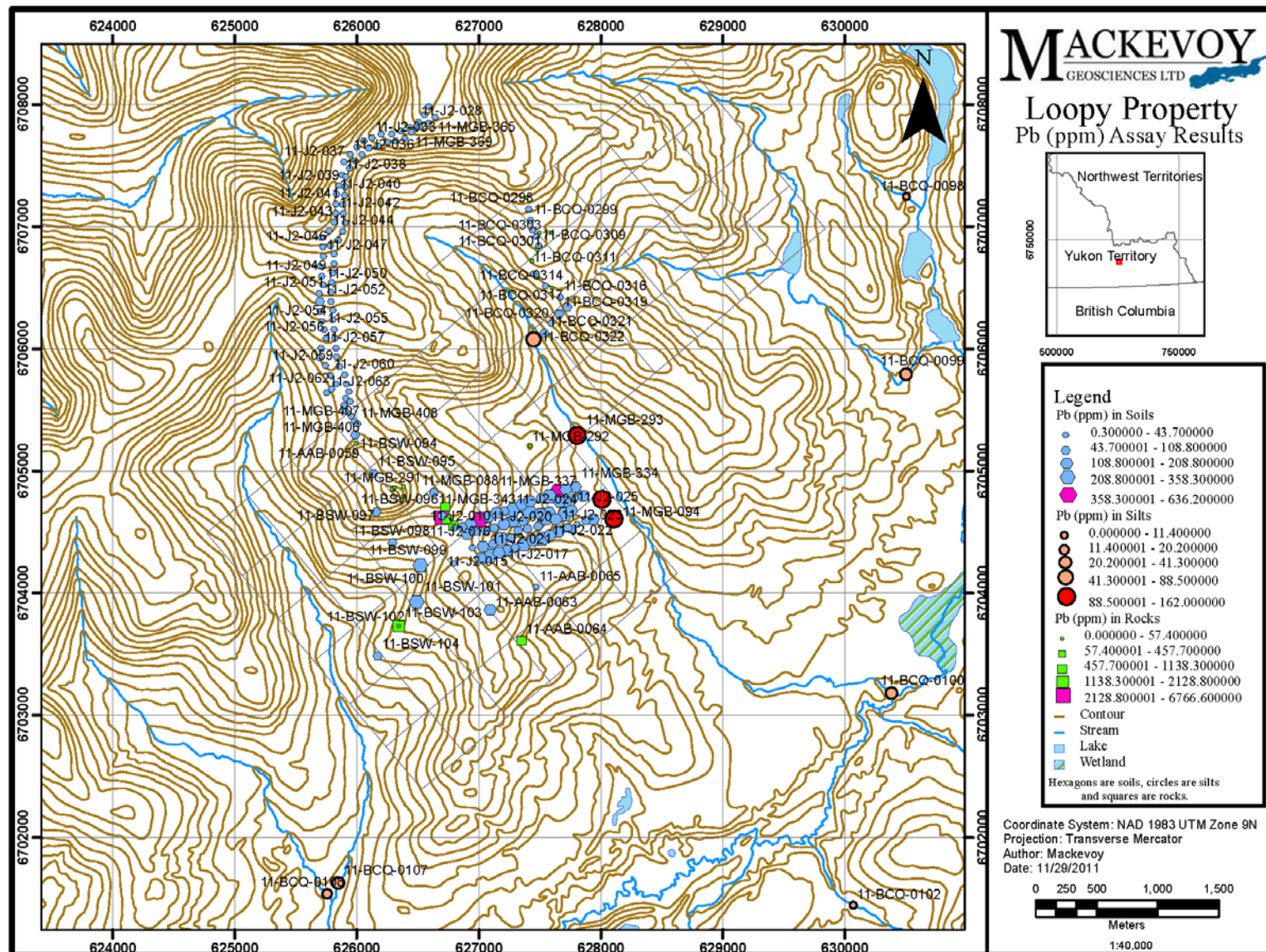


Table 4. Sample Locations (UTM Zone 9, Nad 83) and descriptions.

| Sample ID   | Type | Comments                                                                                                                                                                                                                                                   | Easting | Northing |
|-------------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------|
| 11-AAB-0058 | Rock | mafic volcanic? Porphyritic; basalt or trachyte? Fgr w/ larger fsp pheno's. Calcite-rich, dark grey-green. More felsic intrusive or extrusive xenoliths. Dissem. Pyr/po +/- ? Gal? And on fractures (more concentrated = remob                             | 625995  | 6705227  |
| 11-AAB-0059 | Rock | aforementioned felsic xenoliths from -0058. Light greenish-grey alt'd porphyritic intrusive. Darker green phenos, commonly lathlike. = possible endoskarn? Euhedral pyrite up to 1mm, remote chance of carbonatite?                                        | 625996  | 6705226  |
| 11-AAB-0060 | Rock | transitions into slightly more carbonaceous subcrop; pale green, sugary, slightly ox'd on surface, carbonaceous quartzite? With diopside? Veined; vein Qtz is dark grey and glassy. 2-3 mm wide. Planar.                                                   | 626383  | 6704795  |
| 11-AAB-0064 | Rock | pale, dissolved skarn; very alt'd                                                                                                                                                                                                                          | 627350  | 6703611  |
| 11-AAB-0066 | Rock | green intrusive float; large euhedral (up to 5mm) black glassy biotite pheno's.                                                                                                                                                                            | 627761  | 6704521  |
| 11-BSW-097  | Rock | Not far away (ie same GPS as 11-BSW-096). Talus boulders and sub-crop in moss covered thick bush. Appears to be more mafic volc and possible hornfels. Fined grained skarn-like rock (with calcite). Skarn is fn grd mottled med-dk grey and greenish grey | 626162  | 6704666  |
| 11-BSW-100  | Rock | Boulder 1-2 m. Megacrystic rhyolite (?). Phenos to 50% in fine grained grey matrix. Kspar phenos to 3 cm, hbl to 1 – 1 ½ cm and quartz phenos (some are euhedral). Very friable, very crumbly! Several other large boulders in area.                       | 626545  | 6704208  |
| 11-BSW-102  | Rock | o/c mottled green and tan fn grd skarn/hornfels.                                                                                                                                                                                                           | 626345  | 6703732  |
| 11-BSW-103  | Rock | Sample taken above 11-BSW-102 by about 1-2 m. Skarn? Altered rk? FRDK. Irregular vugs with tiny quartz xls. Fn grd overall. Minor galena – possible sphalerite. Strange rk. Same local as 11-BSW-102.                                                      | 626345  | 6703732  |
| 11-MGB-090  | Rock | hornfelsed Qtz sandstone (massive) with 2ndary porosity infilled by euhedral quartz and yellow to orange clay                                                                                                                                              | 626725  | 6704710  |
| 11-MGB-091  | Rock | Qtz-ss x cut by black veins- metallic, non rusty (pyrolucite) and in some places vugs present w/ Qtz xstals - large outcrop                                                                                                                                | 626700  | 6704617  |
| 11-MGB-092  | Rock | Qtz vein w/ large weathered rusty vugs and disseminated pyrite throughout sandstone host. Large vuggy Qtz in float and subcrop "treats"                                                                                                                    | 626733  | 6704608  |
| 11-MGB-094  | Silt |                                                                                                                                                                                                                                                            | 628110  | 6704605  |
| 11-AAB-0061 | Soil | brown, fragmental                                                                                                                                                                                                                                          | 626700  | 6704631  |
| 11-AAB-0062 | Soil | brown, fragmental                                                                                                                                                                                                                                          | 626795  | 6704243  |
| 11-AAB-0063 | Soil | brown, fragmental                                                                                                                                                                                                                                          | 627093  | 6703860  |
| 11-AAB-0065 | Soil | brown, fragmental                                                                                                                                                                                                                                          | 627470  | 6704048  |
| 11-AAB-0067 | Soil | brown, fragmental                                                                                                                                                                                                                                          | 627761  | 6704521  |
| 11-BSW-094  | Soil |                                                                                                                                                                                                                                                            | 625989  | 6705294  |
| 11-BSW-095  | Soil |                                                                                                                                                                                                                                                            | 626144  | 6704985  |
| 11-BSW-096  | Soil | At same site (ie this site) o/c of mafic volc.                                                                                                                                                                                                             | 626162  | 6704666  |
| 11-BSW-098  | Soil | Soil in tree topple. Quartzite frags in tree roots                                                                                                                                                                                                         | 626295  | 6704410  |
| 11-BSW-099  | Soil | Soil in tree topple                                                                                                                                                                                                                                        | 626522  | 6704225  |
| 11-BSW-101  | Soil |                                                                                                                                                                                                                                                            | 626494  | 6703928  |
| 11-BSW-104  | Soil | Soil in tree topple                                                                                                                                                                                                                                        | 626173  | 6703486  |
| 11-MGB-087  | Soil |                                                                                                                                                                                                                                                            | 625949  | 6705567  |
| 11-MGB-088  | Soil |                                                                                                                                                                                                                                                            | 626634  | 6704821  |

Table 5. 2011 samples (post 2011 assessment)

| Sample      | Type | Description                                                                                                                                                                                                                                                                                                            | Easting | Northing |
|-------------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------|
| 11-AAB-0058 | ROCK | mafic volcanic? Porphyritic; basalt or trachyte? Fgr w/ larger fsp pheno's. Calcite-rich, dark grey-green. More felsic intrusive or extrusive xenoliths. Resample of MGB's from 2010. Dissem. Pyr/po +/- ? Gal? And on fractures (more concentrated = remob?)                                                          | 625995  | 6705227  |
| 11-AAB-0059 | ROCK | aforementioned felsic xenoliths from -0058. Light greenish-grey alt'd porphyritic intrusive. Darker green phenos, commonly lathlike. = possible endoskarn? Euhedral pyrite up to 1mm, remote chance of carbonatite?                                                                                                    | 625996  | 6705226  |
| 11-AAB-0060 | ROCK | transitions into slightly more carbonaceous subcrop; pale green, sugary, slightly ox'd on surface, carbonaceous quartzite? With diopside? Veined; vein qtz is dark grey and glassy. 2-3 mm wide. Planar.                                                                                                               | 626383  | 6704795  |
| 11-AAB-0064 | ROCK | pale, dissolved skarn; very alt'd                                                                                                                                                                                                                                                                                      | 627350  | 6703611  |
| 11-AAB-0066 | ROCK | green intrusive float; large euhedral (up to 5mm) black glassy biotite pheno's.                                                                                                                                                                                                                                        | 627761  | 6704521  |
| 11-BSW-097  | ROCK | Not far away (ie same GPS as 11-BSW-096). Talus boulders and sub-crop in moss covered thick bush. Appears to be more mafic volc and possible hornfels. Fined grained skarn-like rock (with calcite). Skarn is fn grd mottled med-dk grey and greenish grey (fizzy under HCl). Sample taken of both (208 is same spot). | 626162  | 6704666  |
| 11-BSW-100  | ROCK | Boulder 1-2 m. Megacrystic rhyolite (?). Phenos to 50% in fine grained grey matrix. Kspar phenos to 3 cm, hbl to 1 – 1 ½ cm and quartz phenos (some are euhedral). Very friable, very crumbly! 9 V 62646 6704208. Several other large boulders in area.                                                                | 626545  | 6704208  |
| 11-BSW-102  | ROCK | o/c mottled green and tan fn grd skarn/hornfels.                                                                                                                                                                                                                                                                       | 626345  | 6703732  |
| 11-BSW-103  | ROCK | Sample taken above 11-BSW-102 by about 1-2 m. Skarn? Altered rk? FRDK. Irregular vugs with tiny quartz xls. Fn grd overall. Minor galena – possible sphalerite. Strange rk. Same local as 11-BSW-102.                                                                                                                  | 626345  | 6703732  |
| 11-MGB-287  | ROCK | mafic volcanic breccia with felsic clasts and minor sulphides                                                                                                                                                                                                                                                          | 625903  | 6705548  |
| 11-MGB-288  | ROCK | outcrop of bt, hbl, intrusive with skarn (disseminated sulphides) skarn sampled. Top of peak looks like roof pendant with epidot, vuggy qtz, siliceous alteration, bt, hbl granite has minor disseminated sulphides also.                                                                                              | 626287  | 6704853  |
| 11-MGB-289  | ROCK | outcrop brown skarn, dense with bleaching veinlets w/ sulphide mineralization (pyrite?) along veins                                                                                                                                                                                                                    | 626302  | 6704861  |
| 11-MGB-290  | ROCK | outcrop, subcrop, disseminated sulphide skarn. + endoskarn                                                                                                                                                                                                                                                             | 626306  | 6704866  |
| 11-MGB-291  | ROCK | float, subcrop, 3cm qtz vein cutting sandstone (unaltered)                                                                                                                                                                                                                                                             | 626383  | 6704872  |
| 11-MGB-292  | ROCK | outcrop, 6-10cm wide white qtz vein x cuts sandstone (pure, unaltered)                                                                                                                                                                                                                                                 | 627421  | 6705205  |
| 11-MGB-349  | ROCK | qtz phenocryst volcanic                                                                                                                                                                                                                                                                                                | 626782  | 6704543  |

|             |      |                                                                                                                                                                                                                                                                                                                       |        |         |
|-------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|
| 11-MGB-350  | ROCK | qtz vein with vuggy euhedral crystals and pyrolucite and rusty infill in vugs. 20 m moss outcrop sampled                                                                                                                                                                                                              | 626791 | 6704556 |
| 11-MGB-368  | ROCK | quartz vein cutting limestone                                                                                                                                                                                                                                                                                         | 626502 | 6707807 |
| 11-MGB-090  | ROCK | hornfelsed qtz sandstone (massive) with 2ndary porosity infilled by euhedral quartz and yellow to orange clay                                                                                                                                                                                                         | 626725 | 6704710 |
| 11-MGB-091  | ROCK | qtz-ss x cut by black veins- metallic, non rusty (pyrolucite) and in some places vugs present w/ qtz xstals - large outcrop                                                                                                                                                                                           | 626700 | 6704617 |
| 11-MGB-092  | ROCK | qtz vein w/ large weathered rusty vugs and disseminated pyrite throughout sandstone host. Large vuggy qtz in float and subcrop "treats"                                                                                                                                                                               | 626733 | 6704608 |
| 11-BCQ-0297 | ROCK | Subcrop on claim block, on an angular skree slope. Limestone which is weathering blebby, grey, boring, no sign of mineralization                                                                                                                                                                                      | 627387 | 6707237 |
| 11-BCQ-0300 | ROCK | low lying, covered with moss, possible small ridge, running EW, rusty, crumbly, metased?, dark grey, small sulphides present in veinlets, slightly silicious looking, non-magnetic, non-reactive with acid                                                                                                            | 627437 | 6706972 |
| 11-BCQ-0302 | ROCK | magnetite-bearing? Chlorite containing altered granodiorite. Intrusive! Quartz grains are very rounded looking, poss. Sulphides, biotite alt. to bronzy colour, fizzes with acid in select locations                                                                                                                  | 627468 | 6706922 |
| 11-BCQ-0304 | ROCK | strange rock, dark and messed up, hornfelsed?, no reaction with acid, not magnetic, possibly volx, low lying, moss-covered o/c, qtz present quite blebby,                                                                                                                                                             | 627498 | 6706844 |
| 11-BCQ-0305 | ROCK | more intrusive, large biotite crystals (euhedral), flagged with pink flagging, super oxidized, reddy/orange, possibly reacted with fluids, igneous intrusive (GD or granite), possibly subcrop but quite angular and there's lots around. Not magnetic, no reaction with acid, much coarser than before (up to a cm). | 627497 | 6706950 |
| 11-BCQ-0306 | ROCK | light grey/green matrix with white qtz phenocrysts, non-magnetic, no reaction with acid, no visible sulphides, quite fresh looking, subcrop, but looks in place. Porphyry!                                                                                                                                            | 627591 | 6706954 |
| 11-BCQ-0310 | ROCK | limestone, contains oxidized blebs, medium grained, subcrop, now out of intrusive                                                                                                                                                                                                                                     | 627475 | 6706812 |
| 11-BCQ-0311 | ROCK | limestone. Dark grey, calcite blebs and veinlets, occasional oxidation                                                                                                                                                                                                                                                | 627434 | 6706720 |
| 11-BCQ-0313 | ROCK | looks the same as 0306, light grey/green matrix, white phenocrysts (qtz), porphyry                                                                                                                                                                                                                                    | 627485 | 6706581 |
| 11-BCQ-0315 | ROCK | subcrop, but large and quite angular, granite intrusive, lrg biotite crystals (0.8cm), medium grained, poss. Sulphides present, quite magnetic, no reaction with acid                                                                                                                                                 | 627599 | 6706501 |
| 11-BCQ-0318 | ROCK | strange moss covered outcrop, rock contains calcite, but isn't a limestone, quite weathered and altered, magnetic, contains qtz, difficult to name, almost looks like altered grey/green porphyry, but where is the calcite coming from?                                                                              | 627725 | 6706359 |
| 11-MGB-293  | SILT |                                                                                                                                                                                                                                                                                                                       | 627808 | 6705289 |
| 11-MGB-294  | SILT | from side drainage stream, lots of intrusive float, mica                                                                                                                                                                                                                                                              | 628010 | 6704768 |
| 11-MGB-094  | SILT |                                                                                                                                                                                                                                                                                                                       | 628110 | 6704605 |

|             |      |                                                                        |        |         |
|-------------|------|------------------------------------------------------------------------|--------|---------|
| 11-BCQ-0322 | silt |                                                                        | 627452 | 6706073 |
| 11-AAB-0061 | Soil | brown, fragmental                                                      | 626700 | 6704631 |
| 11-AAB-0062 | Soil | brown, fragmental                                                      | 626795 | 6704243 |
| 11-AAB-0063 | Soil | brown, fragmental                                                      | 627093 | 6703860 |
| 11-AAB-0065 | Soil | brown, fragmental                                                      | 627470 | 6704048 |
| 11-AAB-0067 | Soil | brown, fragmental                                                      | 627761 | 6704521 |
| 11-BSW-094  | Soil |                                                                        | 625989 | 6705294 |
| 11-BSW-095  | Soil |                                                                        | 626144 | 6704985 |
| 11-BSW-096  | Soil | At same site (ie this site) o/c of mafic volc.                         | 626162 | 6704666 |
| 11-BSW-098  | Soil | Soil in tree topple. 9 V 626295 6704410. Quartzite frags in tree roots | 626295 | 6704410 |
| 11-BSW-099  | Soil | Soil in tree topple                                                    | 626522 | 6704225 |
| 11-BSW-101  | Soil |                                                                        | 626494 | 6703928 |
| 11-BSW-104  | Soil | Soil in tree topple                                                    | 626173 | 6703486 |
| 11-J2-001   | Soil |                                                                        | 627779 | 6704777 |
| 11-J2-002   | Soil |                                                                        | 627711 | 6704745 |
| 11-J2-003   | Soil |                                                                        | 627663 | 6704743 |
| 11-J2-004   | Soil |                                                                        | 627577 | 6704658 |
| 11-J2-005   | Soil |                                                                        | 627505 | 6704650 |
| 11-J2-006   | Soil |                                                                        | 627418 | 6704663 |
| 11-J2-007   | Soil |                                                                        | 627366 | 6704580 |
| 11-J2-008   | Soil |                                                                        | 627282 | 6704585 |
| 11-J2-009   | Soil |                                                                        | 627204 | 6704564 |

|           |      |  |        |         |
|-----------|------|--|--------|---------|
| 11-J2-010 | Soil |  | 627127 | 6704532 |
| 11-J2-011 | Soil |  | 627056 | 6704510 |
| 11-J2-012 | Soil |  | 626982 | 6704505 |
| 11-J2-013 | Soil |  | 626908 | 6704480 |
| 11-J2-014 | Soil |  | 626948 | 6704370 |
| 11-J2-015 | Soil |  | 627035 | 6704378 |
| 11-J2-016 | Soil |  | 627116 | 6704402 |
| 11-J2-017 | Soil |  | 627181 | 6704438 |
| 11-J2-019 | Soil |  | 627324 | 6704511 |
| 11-J2-020 | Soil |  | 627400 | 6704526 |
| 11-J2-021 | Soil |  | 627489 | 6704547 |
| 11-J2-022 | Soil |  | 627553 | 6704603 |
| 11-J2-023 | Soil |  | 627634 | 6704604 |
| 11-J2-024 | Soil |  | 627705 | 6704644 |
| 11-J2-025 | Soil |  | 627761 | 6704675 |
| 11-J2-026 | Soil |  | 626590 | 6707982 |
| 11-J2-027 | Soil |  | 626557 | 6707912 |
| 11-J2-028 | Soil |  | 626502 | 6707856 |
| 11-J2-029 | Soil |  | 626435 | 6707816 |
| 11-J2-030 | Soil |  | 626360 | 6707784 |
| 11-J2-031 | Soil |  | 626288 | 6707756 |
| 11-J2-032 | Soil |  | 626201 | 6707757 |

|           |      |  |        |         |
|-----------|------|--|--------|---------|
| 11-J2-033 | Soil |  | 626123 | 6707728 |
| 11-J2-034 | Soil |  | 626056 | 6707699 |
| 11-J2-035 | Soil |  | 626001 | 6707650 |
| 11-J2-036 | Soil |  | 625947 | 6707587 |
| 11-J2-037 | Soil |  | 625895 | 6707528 |
| 11-J2-038 | Soil |  | 625879 | 6707422 |
| 11-J2-039 | Soil |  | 625853 | 6707334 |
| 11-J2-040 | Soil |  | 625835 | 6707262 |
| 11-J2-041 | Soil |  | 625828 | 6707183 |
| 11-J2-042 | Soil |  | 625829 | 6707108 |
| 11-J2-043 | Soil |  | 625816 | 6707035 |
| 11-J2-044 | Soil |  | 625777 | 6706964 |
| 11-J2-045 | Soil |  | 625706 | 6706907 |
| 11-J2-046 | Soil |  | 625724 | 6706833 |
| 11-J2-047 | Soil |  | 625728 | 6706759 |
| 11-J2-048 | Soil |  | 625697 | 6706677 |
| 11-J2-049 | Soil |  | 625712 | 6706593 |
| 11-J2-050 | Soil |  | 625724 | 6706525 |
| 11-J2-051 | Soil |  | 625695 | 6706455 |
| 11-J2-052 | Soil |  | 625700 | 6706386 |
| 11-J2-053 | Soil |  | 625704 | 6706306 |
| 11-J2-054 | Soil |  | 625710 | 6706223 |

|            |      |  |        |         |
|------------|------|--|--------|---------|
| 11-J2-055  | Soil |  | 625733 | 6706159 |
| 11-J2-056  | Soil |  | 625749 | 6706089 |
| 11-J2-057  | Soil |  | 625707 | 6706004 |
| 11-J2-058  | Soil |  | 625697 | 6705926 |
| 11-J2-059  | Soil |  | 625746 | 6705860 |
| 11-J2-060  | Soil |  | 625783 | 6705784 |
| 11-J2-061  | Soil |  | 625829 | 6705709 |
| 11-J2-062  | Soil |  | 625796 | 6705670 |
| 11-J2-063  | Soil |  | 625751 | 6705642 |
| 11-J2-18   | Soil |  | 627261 | 6704452 |
| 11-MGB-333 | Soil |  | 627855 | 6704793 |
| 11-MGB-334 | Soil |  | 627791 | 6704869 |
| 11-MGB-335 | Soil |  | 627716 | 6704847 |
| 11-MGB-336 | Soil |  | 627648 | 6704823 |
| 11-MGB-337 | Soil |  | 627578 | 6704790 |
| 11-MGB-338 | Soil |  | 627505 | 6704777 |
| 11-MGB-339 | Soil |  | 627419 | 6704750 |
| 11-MGB-340 | Soil |  | 627353 | 6704722 |
| 11-MGB-341 | Soil |  | 627285 | 6704687 |
| 11-MGB-342 | Soil |  | 627216 | 6704668 |
| 11-MGB-343 | Soil |  | 627143 | 6704654 |
| 11-MGB-344 | Soil |  | 627079 | 6704625 |

|            |      |  |        |         |
|------------|------|--|--------|---------|
| 11-MGB-345 | Soil |  | 627007 | 6704601 |
| 11-MGB-346 | Soil |  | 626933 | 6704565 |
| 11-MGB-347 | Soil |  | 626871 | 6704539 |
| 11-MGB-348 | Soil |  | 626801 | 6704530 |
| 11-MGB-351 | Soil |  | 627020 | 6704284 |
| 11-MGB-352 | Soil |  | 627089 | 6704303 |
| 11-MGB-353 | Soil |  | 627166 | 6704330 |
| 11-MGB-354 | Soil |  | 627237 | 6704349 |
| 11-MGB-355 | Soil |  | 627298 | 6704372 |
| 11-MGB-356 | Soil |  | 627371 | 6704400 |
| 11-MGB-357 | Soil |  | 627438 | 6704427 |
| 11-MGB-358 | Soil |  | 627516 | 6704445 |
| 11-MGB-359 | Soil |  | 627582 | 6704472 |
| 11-MGB-360 | Soil |  | 627656 | 6704503 |
| 11-MGB-361 | Soil |  | 627733 | 6704534 |
| 11-MGB-362 | Soil |  | 627807 | 6704561 |
| 11-MGB-363 | Soil |  | 627877 | 6704590 |
| 11-MGB-364 | Soil |  | 627940 | 6704605 |
| 11-MGB-365 | Soil |  | 626641 | 6707896 |
| 11-MGB-366 | Soil |  | 626587 | 6707844 |
| 11-MGB-367 | Soil |  | 626517 | 6707816 |
| 11-MGB-369 | Soil |  | 626451 | 6707773 |

|            |      |  |        |         |
|------------|------|--|--------|---------|
| 11-MGB-370 | Soil |  | 626391 | 6707723 |
| 11-MGB-371 | Soil |  | 626318 | 6707702 |
| 11-MGB-372 | Soil |  | 626248 | 6707689 |
| 11-MGB-373 | Soil |  | 626175 | 6707660 |
| 11-MGB-374 | Soil |  | 626099 | 6707642 |
| 11-MGB-375 | Soil |  | 626042 | 6707590 |
| 11-MGB-376 | Soil |  | 625990 | 6707536 |
| 11-MGB-377 | Soil |  | 625942 | 6707475 |
| 11-MGB-378 | Soil |  | 625910 | 6707407 |
| 11-MGB-379 | Soil |  | 625906 | 6707329 |
| 11-MGB-380 | Soil |  | 625900 | 6707253 |
| 11-MGB-381 | Soil |  | 625883 | 6707179 |
| 11-MGB-382 | Soil |  | 625892 | 6707106 |
| 11-MGB-383 | Soil |  | 625903 | 6707030 |
| 11-MGB-384 | Soil |  | 625887 | 6706959 |
| 11-MGB-385 | Soil |  | 625850 | 6706888 |
| 11-MGB-386 | Soil |  | 625782 | 6706843 |
| 11-MGB-387 | Soil |  | 625817 | 6706774 |
| 11-MGB-388 | Soil |  | 625812 | 6706697 |
| 11-MGB-389 | Soil |  | 625803 | 6706618 |
| 11-MGB-390 | Soil |  | 625797 | 6706543 |
| 11-MGB-391 | Soil |  | 625790 | 6706465 |

|             |      |                          |        |         |
|-------------|------|--------------------------|--------|---------|
| 11-MGB-392  | Soil |                          | 625788 | 6706387 |
| 11-MGB-393  | Soil |                          | 625802 | 6706314 |
| 11-MGB-394  | Soil |                          | 625803 | 6706236 |
| 11-MGB-395  | Soil |                          | 625816 | 6706156 |
| 11-MGB-396  | Soil |                          | 625820 | 6706084 |
| 11-MGB-397  | Soil |                          | 625831 | 6706007 |
| 11-MGB-398  | Soil |                          | 625833 | 6705932 |
| 11-MGB-399  | Soil |                          | 625860 | 6705852 |
| 11-MGB-400  | Soil |                          | 625901 | 6705787 |
| 11-MGB-401  | Soil |                          | 625918 | 6705709 |
| 11-MGB-402  | Soil |                          | 625933 | 6705651 |
| 11-MGB-403  | Soil |                          | 625912 | 6705594 |
| 11-MGB-404  | Soil |                          | 625894 | 6705537 |
| 11-MGB-405  | Soil |                          | 625910 | 6705486 |
| 11-MGB-406  | Soil |                          | 625956 | 6705449 |
| 11-MGB-407  | Soil |                          | 625982 | 6705403 |
| 11-MGB-408  | Soil |                          | 626006 | 6705384 |
| 11-MGB-087  | Soil |                          | 625949 | 6705567 |
| 11-MGB-088  | Soil |                          | 626634 | 6704821 |
| 11-BCQ-0298 | Soil | grey/brown               | 627412 | 6707145 |
| 11-BCQ-0299 | Soil |                          | 627426 | 6707051 |
| 11-BCQ-0301 | Soil | right beside 11-BCQ-0300 | 627437 | 6706973 |

|             |      |                                                                           |        |         |
|-------------|------|---------------------------------------------------------------------------|--------|---------|
| 11-BCQ-0303 | Soil | beside 0302                                                               | 627469 | 6706922 |
| 11-BCQ-0309 | Soil | intrusive float nearby                                                    | 627493 | 6706842 |
| 11-BCQ-0312 | Soil |                                                                           | 627452 | 6706612 |
| 11-BCQ-0314 | Soil | quite organic, limestone nearby with tension gashes infilled with calcite | 627547 | 6706512 |
| 11-BCQ-0316 | Soil | close to grey/green porphyry (float), passed intrusive float on way here  | 627670 | 6706424 |
| 11-BCQ-0317 | Soil |                                                                           | 627726 | 6706341 |
| 11-BCQ-0319 | Soil |                                                                           | 627662 | 6706283 |
| 11-BCQ-0320 | Soil |                                                                           | 627595 | 6706205 |
| 11-BCQ-0321 | Soil |                                                                           | 627541 | 6706127 |

## 7. Conclusions and Recommendations

The geology observed and mapped, as well as the samples collected from the area around the Gusty Lakes camp, indicates the presence of a previously unmapped intrusive that is intruding limestone. The Yukon Geological Survey found intrusive float in the area while mapping the 095D mapsheet, but they did not locate intrusive outcrop. Intrusive outcrop was located and sampled during the 2010 program, and was further sampled in 2011. The contact between the intrusive unit and the limestone unit is promising for mineralization. UV lamping revealed fluorescent blue grains that are most likely scheelite and the intrusive samples collected contain visible sulphides. Due to the similarity in trends between contacts, it is possible that the intrusives are dykes or sills from an undiscovered stock or plug. The locations where intrusive outcrop were found show a higher value on the scintillometer maps, indicating that the scintillometer is a useful mapping and exploration tool in this area.

The presence of a tungsten geochemical high of 9 ppm in silt from the RGS database occurs just southeast of camp. Background tungsten values are ~ 0.64 ppm. From 2010 assays, the only remarkable values are minor anomalous W results for rock samples 10-BCQ-085, 10-MGB-55, and 10-MGB-060, which return values of 143, 49,

and 41 ppm, respectively. Although minor, these values warrant further investigation. The higher W value of 143 ppm in sample 10-BCQ-085 also contained 58 ppm Mo, which is elevated compared to other samples; this sample is located near contacts with sediments and intrusives, and is highly oxidized (see sample locations map and descriptions). Collectively, these promising results prompted the staking of the Loopy 1 through 10 claims in 2010.

2011 assay results show that arsenic, Au, Co, Mo, Pb, W, and Zn are all elevated on the property, demonstrating that there is potential for a W-skarn, as well as for base metal mineralization. This region is promising for intrusive related mineralization, and mineralization in the form of gold-bearing quartz veins is also possible. Further groundwork is needed to confirm the location and extent of the intrusive and to locate areas of W and/or base metal skarn mineralization. The property should be covered by a soil sampling grid and additional prospecting and geological mapping should occur. A detailed magnetometer survey is also recommended on the property, as the intrusive contains sulphides that could have a magnetic signature (a survey may uncover further areas of mineralization).

This region is promising for intrusive related mineralization and further groundwork is needed to confirm the location and extent of the intrusive and to locate areas of W and/or base metal skarn mineralization. Future work should be concentrated further to the south of the last explored area with mapping and scintillometer surveying as foci. A magnetometer survey would also be useful, as the intrusive contains sulphides that could have a magnetic signature. Mineralization in the form of gold-bearing quartz veins is also possible in this area.

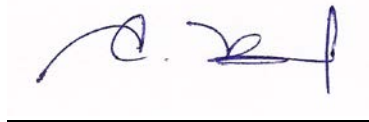
## Statement of Qualifications

I, Michael Burns, graduated from The University of Victoria in 2010 with a B.Sc. in geology and I am currently a Ph.D. Candidate in Geology at Laurentian University. I have practiced my profession as a geologist since 2007 and have worked on mineral exploration projects throughout western Canada.

A handwritten signature in blue ink, appearing to read "Michael Burns", written over a horizontal line.

Michael Burns, M.Sc. Candidate

I, Allison Brand, graduated from The University of British Columbia in 2006 with a B.Sc. in geology (Honours) and in 2009 with an M.Sc. in Geology. I have practiced my profession as a geologist since 2006 and have worked on mineral exploration projects throughout Canada.

A handwritten signature in blue ink, appearing to read "Allison Brand", written over a horizontal line.

Allison Brand, M.Sc.

## Statement of Expenditures

|                                                                                                                                                                                                                     | Total       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Field Wages for 10 person days (July 6-7: 1 geologist @ \$625 / day, 1 geologist @ \$562 / day, 1 assistant at \$250/day , 1 assistant at \$312.50/day; Aug 23: 1 geologist at \$625/day, 1 assistant at \$350/day) | \$4,475.00  |
| Report Writing and Interpretation (2 days, @ \$625/ day)                                                                                                                                                            | \$1,250.00  |
| Helicopter (Teck Helicopters) total                                                                                                                                                                                 | \$9,348.00  |
| Heli Fuel total                                                                                                                                                                                                     | \$370.26    |
| Daily Field Expenses (@\$100 / person-day; 10 person days)                                                                                                                                                          | \$1,000.00  |
| Equipment + communications                                                                                                                                                                                          | \$450.00    |
| Truck rental                                                                                                                                                                                                        | \$332.00    |
| Shipping                                                                                                                                                                                                            | \$250.00    |
| Assays – Acme Laboratories: 4-B02 (116 samples within claim boundaries)                                                                                                                                             | \$5,585.53  |
| Total Cost                                                                                                                                                                                                          | \$23,064.80 |

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Pigage, L.C., Abbott, J.G. and Roots, C.F., 2010. Bedrock geology of Coal River map area (NTS 95D), Yukon (1:250 000 scale). Yukon Geological Survey, Open File 2010.

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Yuvan, J., Shelton, K., & Falck, H., 2007: Geochemical investigations of the high-grade quartz-scheelite veins of the Cantung mine, Northwest Territories, in Mineral and Energy Resource Assessment of the Greater Nahanni Ecosystem Under Consideration for the Expansion of the Nahanni National Park Reserve, Northwest Territories; Geological Survey of Canada, Open File 5344, p. 177-190.

## **Assay Certificates**



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

[www.acmelab.com](http://www.acmelab.com)

**Client:** **Mackevoy Geosciences**

537 Kenneth Street  
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Submitted By: Allison Brand

Receiving Lab: Canada-Vancouver

Received: June 17, 2011

Report Date: July 16, 2011

Page: 1 of 7

## CERTIFICATE OF ANALYSIS

VAN11002655.1

### CLIENT JOB INFORMATION

Project: TING\_RG  
Shipment ID:  
P.O. Number  
Number of Samples: 178

### SAMPLE DISPOSAL

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

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

Invoice To: Harsbo Minerals Ltd.  
4758 Victory Street  
Burnaby BC V5J 1S2  
Canada

CC: David Turner  
Lee A. Groat  
Michael Burns  
Thomas Hasek

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                     | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|--------------------------------------|--------------|---------------|-----|
| SS80        | 176               | Dry at 60C sieve 100g to -80 mesh    |              |               | VAN |
| Dry at 60C  | 176               | Dry at 60C                           |              |               | VAN |
| RJSV        | 176               | Saving all or part of Soil Reject    |              |               | VAN |
| 4B02        | 176               | LiBO2/Li2B4O7 fusion ICP-MS analysis | 0.2          | Completed     | VAN |

### ADDITIONAL COMMENTS



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



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Victoria BC V8Z 2B6 Canada

Project: TING\_RG

Report Date: July 16, 2011

Page: 2 of 7 Part 1

## CERTIFICATE OF ANALYSIS

VAN11002655.1

|             | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B  | 4B    | 4B   | 4B   | 4B   | 4B   | 4B    | 4B  | 4B    | 4B   | 4B   | 4B  | 4B  | 4B   | 4B    | 4B   | 4B   |
|-------------|----------------------------------|------|-----|-------|------|------|------|------|-------|-----|-------|------|------|-----|-----|------|-------|------|------|
|             |                                  | Ba   | Be  | Co    | Cs   | Ga   | Hf   | Nb   | Rb    | Sn  | Sr    | Ta   | Th   | U   | V   | W    | Zr    | Y    | La   |
|             |                                  | ppm  | ppm | ppm   | ppm  | ppm  | ppm  | ppm  | ppm   | ppm | ppm   | ppm  | ppm  | ppm | ppm | ppm  | ppm   | ppm  | ppm  |
|             |                                  | 1    | 1   | 0.2   | 0.1  | 0.5  | 0.1  | 0.1  | 0.1   | 1   | 0.5   | 0.1  | 0.2  | 0.1 | 8   | 0.5  | 0.1   | 0.1  | 0.1  |
| 11-AAB-0005 | Soil                             | 395  | 1   | 8.1   | 3.3  | 12.3 | 10.3 | 22.0 | 62.2  | 2   | 84.8  | 1.6  | 6.7  | 2.2 | 130 | 3.1  | 411.8 | 17.5 | 27.2 |
| 11-AAB-0008 | Soil                             | 512  | 1   | 11.5  | 2.3  | 16.1 | 7.1  | 21.2 | 42.4  | 2   | 131.2 | 1.5  | 7.0  | 2.4 | 107 | 1.6  | 281.5 | 16.5 | 26.8 |
| 11-AAB-0010 | Soil                             | 433  | 1   | 5.8   | 3.1  | 15.3 | 8.2  | 21.9 | 59.8  | 2   | 78.2  | 1.7  | 8.4  | 2.5 | 134 | 1.7  | 316.3 | 17.8 | 30.2 |
| 11-AAB-0019 | Soil                             | 70   | 1   | 11.0  | 1.1  | 8.7  | 8.7  | 16.6 | 35.3  | <1  | 50.2  | 0.9  | 4.3  | 1.7 | 145 | 10.7 | 361.7 | 15.4 | 21.3 |
| 11-AAB-0024 | Soil                             | 215  | 1   | 5.9   | 1.5  | 12.2 | 8.8  | 16.8 | 28.0  | 1   | 41.8  | 1.2  | 6.0  | 1.9 | 164 | 1.6  | 357.8 | 20.0 | 24.0 |
| 11-AAB-0044 | Soil                             | 529  | <1  | 6.1   | 2.2  | 6.7  | 12.1 | 7.5  | 38.5  | <1  | 62.2  | 0.6  | 5.8  | 2.5 | 71  | 1.1  | 458.1 | 15.0 | 19.0 |
| 11-AAB-0067 | Soil                             | 688  | 1   | 6.5   | 15.0 | 19.1 | 7.0  | 15.5 | 147.5 | 2   | 116.2 | 1.2  | 8.9  | 2.9 | 107 | 13.2 | 263.5 | 14.2 | 31.0 |
| 11-BCQ-0005 | Soil                             | 387  | <1  | 4.0   | 2.4  | 6.8  | 2.9  | 8.1  | 38.9  | <1  | 78.3  | 0.5  | 6.2  | 2.4 | 134 | 0.7  | 118.4 | 24.2 | 31.1 |
| 11-BCQ-0048 | Soil                             | 564  | <1  | 1.3   | 3.5  | 12.3 | 7.9  | 21.7 | 69.2  | 2   | 128.1 | 1.6  | 8.6  | 2.6 | 56  | 1.5  | 314.2 | 14.7 | 26.1 |
| 11-BCQ-0057 | Soil                             | 560  | 1   | 7.8   | 2.5  | 11.5 | 7.5  | 19.3 | 48.5  | 2   | 109.0 | 1.5  | 8.5  | 2.8 | 78  | 2.1  | 289.7 | 18.6 | 27.6 |
| 11-BCQ-0067 | Soil                             | 597  | 1   | 8.7   | 2.9  | 19.9 | 8.1  | 33.5 | 53.8  | 3   | 106.5 | 2.5  | 10.7 | 2.8 | 128 | 2.1  | 344.8 | 17.4 | 28.2 |
| 11-BCQ-0075 | Soil                             | 567  | <1  | 2.8   | 2.3  | 15.4 | 9.1  | 23.5 | 56.7  | 4   | 103.7 | 1.7  | 11.1 | 3.0 | 113 | 2.0  | 348.8 | 22.7 | 36.4 |
| 11-BCQ-0077 | Soil                             | 566  | 1   | 4.3   | 2.7  | 14.0 | 10.0 | 25.5 | 79.5  | 3   | 99.9  | 1.9  | 10.2 | 2.6 | 103 | 1.7  | 357.0 | 19.4 | 33.5 |
| 11-BCQ-0078 | Soil                             | 925  | <1  | 4.5   | 4.7  | 16.9 | 9.0  | 25.5 | 85.9  | 3   | 127.3 | 1.7  | 11.2 | 3.6 | 142 | 1.7  | 298.5 | 23.4 | 39.8 |
| 11-BCQ-0097 | Soil                             | 715  | <1  | 2.5   | 2.5  | 13.6 | 8.2  | 13.6 | 52.6  | 3   | 198.1 | 1.2  | 7.7  | 3.0 | 93  | 1.4  | 287.3 | 17.6 | 29.2 |
| 11-BSW-038  | Soil                             | 184  | 2   | 5.2   | 2.5  | 8.8  | 12.4 | 23.9 | 46.6  | 2   | 36.6  | 1.6  | 8.4  | 2.6 | 67  | 1.9  | 442.9 | 18.2 | 33.7 |
| 11-BSW-045  | Soil                             | 327  | <1  | 1.7   | 1.7  | 8.8  | 11.5 | 19.1 | 44.2  | 2   | 87.1  | 1.4  | 7.0  | 2.3 | 57  | 1.5  | 437.0 | 17.4 | 26.8 |
| 11-BSW-048  | Soil                             | 564  | <1  | 4.9   | 4.1  | 14.2 | 9.4  | 23.8 | 70.7  | 3   | 107.4 | 1.6  | 10.0 | 2.6 | 106 | 1.7  | 334.1 | 20.7 | 33.9 |
| 11-BSW-070  | Soil                             | 384  | <1  | 3.6   | 1.6  | 9.0  | 15.1 | 28.0 | 43.1  | 3   | 56.7  | 1.6  | 9.0  | 3.2 | 84  | 2.3  | 600.8 | 20.6 | 30.5 |
| 11-BSW-096  | Soil                             | 595  | 1   | 9.4   | 7.0  | 12.7 | 6.4  | 23.0 | 97.5  | 1   | 150.1 | 1.4  | 9.2  | 3.2 | 100 | 4.7  | 258.5 | 15.4 | 26.2 |
| 11-MGB-004  | Soil                             | 452  | <1  | 4.7   | 1.6  | 4.6  | 4.8  | 8.3  | 36.9  | 1   | 78.6  | 0.5  | 5.3  | 2.0 | 95  | 0.6  | 190.2 | 13.1 | 19.4 |
| 11-MGB-009  | Soil                             | 1023 | <1  | 128.1 | <0.1 | 5.2  | 0.1  | 0.2  | 0.4   | <1  | 124.1 | <0.1 | <0.2 | 5.2 | <8  | 1.9  | 7.1   | 9.4  | 1.5  |
| 11-MGB-016  | Soil                             | 253  | <1  | 2.2   | 0.8  | 3.8  | 1.7  | 3.5  | 20.9  | <1  | 92.1  | 0.4  | 2.5  | 1.5 | 30  | <0.5 | 74.4  | 6.6  | 8.9  |
| 11-MGB-040  | Soil                             | 360  | <1  | 5.3   | 1.3  | 6.0  | 13.2 | 19.5 | 38.3  | 1   | 34.9  | 1.4  | 6.7  | 3.2 | 61  | 1.1  | 522.9 | 17.8 | 24.8 |
| 11-MGB-055  | Soil                             | 618  | <1  | 4.2   | 1.7  | 6.3  | 5.5  | 7.5  | 33.5  | 1   | 69.3  | 0.5  | 4.8  | 3.6 | 69  | 0.6  | 240.7 | 13.8 | 17.5 |
| 11-MGB-071  | Soil                             | 211  | <1  | 3.0   | 2.5  | 9.0  | 8.4  | 19.9 | 47.7  | 2   | 48.9  | 1.3  | 8.5  | 2.2 | 60  | 1.8  | 331.8 | 16.4 | 38.7 |
| 11-MGB-073  | Soil                             | 533  | <1  | 5.5   | 3.2  | 14.3 | 7.8  | 24.3 | 69.4  | 2   | 100.9 | 1.4  | 9.2  | 3.0 | 93  | 2.0  | 308.7 | 17.5 | 34.6 |
| 11-BCQ-0051 | Soil                             | 312  | 1   | 3.2   | 2.1  | 9.7  | 9.7  | 21.9 | 43.1  | 2   | 66.7  | 1.6  | 7.7  | 2.8 | 83  | 1.7  | 369.9 | 22.8 | 27.6 |
| 11-BCQ-0079 | Soil                             | 337  | <1  | 2.9   | 2.6  | 10.8 | 8.6  | 28.6 | 52.5  | 2   | 62.8  | 2.0  | 8.3  | 2.6 | 86  | 1.9  | 338.6 | 20.6 | 35.2 |
| 11-AAB-0026 | Soil                             | 539  | <1  | 7.6   | 3.2  | 11.8 | 7.0  | 20.2 | 64.2  | 2   | 137.2 | 1.4  | 7.6  | 2.5 | 96  | 1.4  | 285.2 | 18.5 | 29.5 |



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Project: TING\_RG

Report Date: July 16, 2011

Page: 2 of 7 Part 2

## CERTIFICATE OF ANALYSIS

VAN11002655.1

|             | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 1DX  | 1DX   | 1DX  | 1DX | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  |
|-------------|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|-----|------|------|------|------|------|
|             |                                  | Nd   | Sm   | Eu   | Gd   | Tb   | Dy   | Ho   | Er   | Tm   | Yb   | Lu   | Mo   | Cu    | Pb   | Zn  | Ni   | As   | Cd   | Sb   | Bi   |
|             |                                  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm  | ppm | ppm  | ppm  | ppm  | ppm  | ppm  |
|             |                                  | 0.3  | 0.05 | 0.02 | 0.05 | 0.01 | 0.05 | 0.02 | 0.03 | 0.01 | 0.05 | 0.01 | 0.1  | 0.1   | 0.1  | 1   | 0.1  | 0.5  | 0.1  | 0.1  | 0.1  |
| 11-AAB-0005 | Soil                             | 23.8 | 4.27 | 0.89 | 3.57 | 0.60 | 3.49 | 0.70 | 2.13 | 0.34 | 2.22 | 0.34 | 1.0  | 34.4  | 13.7 | 55  | 13.2 | 7.2  | 0.2  | 0.2  | 0.1  |
| 11-AAB-0008 | Soil                             | 22.5 | 4.14 | 0.81 | 3.44 | 0.56 | 3.28 | 0.67 | 1.96 | 0.30 | 1.99 | 0.30 | 0.5  | 33.6  | 10.3 | 73  | 14.4 | 1.9  | 0.3  | <0.1 | 0.2  |
| 11-AAB-0010 | Soil                             | 24.8 | 4.24 | 0.80 | 3.58 | 0.58 | 3.43 | 0.71 | 2.15 | 0.33 | 2.15 | 0.35 | 1.0  | 41.3  | 9.0  | 40  | 8.1  | 2.3  | 0.2  | 0.1  | 0.2  |
| 11-AAB-0019 | Soil                             | 23.8 | 4.61 | 1.04 | 3.93 | 0.63 | 3.58 | 0.68 | 1.94 | 0.31 | 2.11 | 0.31 | 0.7  | 201.2 | 70.4 | 154 | 28.0 | 37.6 | 0.2  | 0.6  | <0.1 |
| 11-AAB-0024 | Soil                             | 20.3 | 3.82 | 0.89 | 3.75 | 0.64 | 3.60 | 0.77 | 2.30 | 0.35 | 2.20 | 0.34 | 1.3  | 84.5  | 9.6  | 64  | 13.3 | 5.1  | 0.3  | 0.2  | 0.1  |
| 11-AAB-0044 | Soil                             | 18.8 | 3.49 | 0.68 | 3.03 | 0.49 | 2.76 | 0.57 | 1.72 | 0.28 | 1.88 | 0.30 | 1.2  | 12.2  | 9.0  | 61  | 19.9 | 5.1  | 0.3  | <0.1 | <0.1 |
| 11-AAB-0067 | Soil                             | 23.4 | 3.93 | 0.79 | 3.12 | 0.49 | 2.72 | 0.57 | 1.63 | 0.26 | 1.73 | 0.27 | 7.5  | 12.8  | 76.1 | 108 | 9.3  | 9.0  | 0.1  | <0.1 | 3.5  |
| 11-BCQ-0005 | Soil                             | 25.9 | 4.96 | 1.08 | 4.76 | 0.71 | 3.91 | 0.77 | 2.08 | 0.30 | 1.84 | 0.27 | 1.7  | 8.7   | 30.5 | 124 | 15.8 | 9.0  | 4.5  | 0.5  | 0.1  |
| 11-BCQ-0048 | Soil                             | 20.6 | 3.73 | 0.68 | 3.05 | 0.49 | 2.81 | 0.60 | 1.79 | 0.28 | 1.80 | 0.29 | 0.3  | 3.1   | 11.8 | 24  | 2.3  | <0.5 | <0.1 | <0.1 | 0.1  |
| 11-BCQ-0057 | Soil                             | 23.6 | 4.46 | 0.85 | 3.92 | 0.64 | 3.65 | 0.74 | 2.15 | 0.33 | 2.08 | 0.32 | 0.7  | 12.0  | 10.3 | 75  | 12.3 | 2.7  | 1.3  | <0.1 | 0.2  |
| 11-BCQ-0067 | Soil                             | 22.3 | 4.12 | 0.75 | 3.49 | 0.58 | 3.34 | 0.70 | 2.08 | 0.34 | 2.22 | 0.34 | 2.3  | 7.6   | 19.8 | 249 | 21.0 | 9.2  | 1.1  | 0.1  | 0.3  |
| 11-BCQ-0075 | Soil                             | 29.3 | 4.95 | 0.88 | 3.93 | 0.65 | 3.72 | 0.75 | 2.30 | 0.38 | 2.43 | 0.38 | 1.0  | 5.7   | 8.4  | 39  | 6.2  | 4.7  | 0.2  | 0.1  | 0.2  |
| 11-BCQ-0077 | Soil                             | 27.1 | 4.36 | 0.80 | 3.64 | 0.60 | 3.57 | 0.68 | 2.04 | 0.36 | 2.12 | 0.34 | 0.9  | 4.5   | 10.7 | 30  | 5.7  | 4.3  | 0.2  | <0.1 | 0.2  |
| 11-BCQ-0078 | Soil                             | 30.2 | 5.41 | 0.98 | 4.27 | 0.71 | 3.91 | 0.77 | 2.39 | 0.36 | 2.44 | 0.40 | 1.0  | 11.2  | 15.6 | 63  | 10.7 | 4.2  | 0.5  | <0.1 | 0.2  |
| 11-BCQ-0097 | Soil                             | 21.8 | 3.72 | 0.71 | 3.05 | 0.48 | 2.78 | 0.56 | 1.86 | 0.30 | 1.94 | 0.30 | 0.9  | 5.1   | 9.1  | 15  | 2.8  | 1.2  | <0.1 | <0.1 | <0.1 |
| 11-BSW-038  | Soil                             | 26.7 | 4.15 | 0.73 | 3.11 | 0.54 | 3.04 | 0.63 | 1.96 | 0.32 | 2.16 | 0.35 | 0.8  | 29.0  | 16.0 | 50  | 11.3 | 13.6 | <0.1 | 0.2  | 0.2  |
| 11-BSW-045  | Soil                             | 21.6 | 3.64 | 0.70 | 2.92 | 0.51 | 2.92 | 0.60 | 1.79 | 0.29 | 2.01 | 0.32 | 0.5  | 3.3   | 5.4  | 11  | 2.4  | 1.4  | <0.1 | <0.1 | <0.1 |
| 11-BSW-048  | Soil                             | 28.0 | 5.03 | 0.85 | 3.71 | 0.60 | 3.59 | 0.77 | 2.27 | 0.35 | 2.46 | 0.36 | 0.9  | 8.0   | 13.4 | 45  | 11.6 | 5.9  | <0.1 | <0.1 | 0.3  |
| 11-BSW-070  | Soil                             | 21.4 | 3.80 | 0.70 | 3.29 | 0.52 | 3.14 | 0.68 | 2.32 | 0.36 | 2.41 | 0.38 | 2.1  | 6.8   | 13.0 | 42  | 11.3 | 5.5  | 0.2  | 0.1  | 0.1  |
| 11-BSW-096  | Soil                             | 21.0 | 3.75 | 0.85 | 2.93 | 0.47 | 2.90 | 0.59 | 1.80 | 0.26 | 1.62 | 0.26 | 1.7  | 17.6  | 88.8 | 238 | 14.6 | 28.1 | 0.4  | 0.2  | 0.5  |
| 11-MGB-004  | Soil                             | 16.6 | 3.27 | 0.62 | 2.62 | 0.38 | 2.36 | 0.42 | 1.25 | 0.19 | 1.13 | 0.18 | 1.1  | 7.7   | 10.6 | 142 | 16.7 | 3.7  | 2.6  | 0.7  | <0.1 |
| 11-MGB-009  | Soil                             | 1.3  | 0.33 | 0.08 | 0.43 | 0.08 | 0.57 | 0.17 | 0.55 | 0.08 | 0.51 | 0.08 | 10.3 | 0.3   | 11.7 | 299 | 28.9 | 1492 | 3.0  | 4.2  | <0.1 |
| 11-MGB-016  | Soil                             | 6.9  | 1.33 | 0.27 | 1.18 | 0.18 | 0.97 | 0.19 | 0.62 | 0.08 | 0.51 | 0.08 | 0.3  | 3.5   | 7.9  | 63  | 3.8  | 2.5  | 1.1  | 0.2  | <0.1 |
| 11-MGB-040  | Soil                             | 21.8 | 4.09 | 0.71 | 3.40 | 0.57 | 3.28 | 0.66 | 2.02 | 0.32 | 2.15 | 0.33 | 0.2  | 7.5   | 4.2  | 45  | 5.9  | 1.1  | 0.2  | 0.2  | <0.1 |
| 11-MGB-055  | Soil                             | 15.6 | 2.84 | 0.55 | 2.49 | 0.40 | 2.41 | 0.43 | 1.36 | 0.22 | 1.40 | 0.21 | 1.0  | 9.4   | 23.9 | 65  | 9.8  | 3.1  | 0.8  | 0.3  | <0.1 |
| 11-MGB-071  | Soil                             | 32.3 | 5.00 | 0.84 | 3.46 | 0.49 | 2.91 | 0.56 | 1.77 | 0.29 | 1.93 | 0.30 | 0.6  | 6.7   | 9.5  | 19  | 5.7  | 4.4  | <0.1 | 0.1  | 0.2  |
| 11-MGB-073  | Soil                             | 26.0 | 4.31 | 0.76 | 3.21 | 0.52 | 3.24 | 0.65 | 2.07 | 0.28 | 1.97 | 0.31 | 0.7  | 6.3   | 13.5 | 79  | 10.8 | 12.1 | 0.5  | <0.1 | 0.2  |
| 11-BCQ-0051 | Soil                             | 22.6 | 4.21 | 0.74 | 3.64 | 0.62 | 3.66 | 0.79 | 2.43 | 0.41 | 2.27 | 0.36 | 1.2  | 9.4   | 7.5  | 34  | 5.5  | 3.1  | 0.1  | <0.1 | 0.3  |
| 11-BCQ-0079 | Soil                             | 30.5 | 4.92 | 0.90 | 3.95 | 0.61 | 3.42 | 0.72 | 2.09 | 0.33 | 2.15 | 0.34 | 1.1  | 6.8   | 8.8  | 27  | 5.3  | 2.7  | <0.1 | <0.1 | 0.1  |
| 11-AAB-0026 | Soil                             | 22.6 | 4.32 | 0.84 | 3.43 | 0.56 | 3.29 | 0.69 | 2.03 | 0.30 | 2.01 | 0.31 | 0.8  | 11.8  | 10.6 | 40  | 9.2  | 2.2  | 0.2  | <0.1 | 0.2  |



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**Report Date:** July 16, 2011

**Page:** 2 of 7 **Part** 3

## CERTIFICATE OF ANALYSIS

VAN11002655.1

|             | Method<br>Analyte<br>Unit<br>MDL | 1DX  | 1DX  | 1DX   | 1DX  | 1DX  |
|-------------|----------------------------------|------|------|-------|------|------|
|             |                                  | Ag   | Au   | Hg    | Tl   | Se   |
|             |                                  | ppm  | ppb  | ppm   | ppm  | ppm  |
|             |                                  | 0.1  | 0.5  | 0.01  | 0.1  | 0.5  |
| 11-AAB-0005 | Soil                             | <0.1 | 0.9  | <0.01 | 0.1  | <0.5 |
| 11-AAB-0008 | Soil                             | 0.2  | 1.5  | 0.01  | <0.1 | 0.7  |
| 11-AAB-0010 | Soil                             | 0.1  | 8.4  | 0.01  | 0.1  | <0.5 |
| 11-AAB-0019 | Soil                             | <0.1 | 0.7  | 0.02  | 0.3  | <0.5 |
| 11-AAB-0024 | Soil                             | <0.1 | 1.0  | 0.02  | <0.1 | <0.5 |
| 11-AAB-0044 | Soil                             | <0.1 | 1.0  | 0.02  | <0.1 | 1.3  |
| 11-AAB-0067 | Soil                             | 0.1  | 0.8  | 0.01  | 0.4  | <0.5 |
| 11-BCQ-0005 | Soil                             | <0.1 | 1.6  | 0.04  | 0.2  | 0.7  |
| 11-BCQ-0048 | Soil                             | 0.3  | 0.7  | 0.04  | <0.1 | <0.5 |
| 11-BCQ-0057 | Soil                             | <0.1 | 0.6  | 0.01  | 0.1  | <0.5 |
| 11-BCQ-0067 | Soil                             | 0.1  | 1.4  | 0.02  | 0.1  | <0.5 |
| 11-BCQ-0075 | Soil                             | <0.1 | 1.4  | 0.01  | <0.1 | <0.5 |
| 11-BCQ-0077 | Soil                             | <0.1 | 0.7  | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0078 | Soil                             | 0.3  | 11.5 | 0.02  | 0.2  | 0.6  |
| 11-BCQ-0097 | Soil                             | <0.1 | 1.3  | 0.01  | <0.1 | <0.5 |
| 11-BSW-038  | Soil                             | <0.1 | 1.4  | 0.02  | 0.2  | <0.5 |
| 11-BSW-045  | Soil                             | <0.1 | 1.2  | <0.01 | <0.1 | <0.5 |
| 11-BSW-048  | Soil                             | <0.1 | 1.1  | 0.02  | <0.1 | <0.5 |
| 11-BSW-070  | Soil                             | <0.1 | 1.1  | 0.01  | 0.1  | 0.8  |
| 11-BSW-096  | Soil                             | <0.1 | 1.3  | 0.02  | 0.6  | <0.5 |
| 11-MGB-004  | Soil                             | <0.1 | 0.5  | 0.03  | 0.2  | 1.1  |
| 11-MGB-009  | Soil                             | <0.1 | 0.6  | 0.66  | 3.2  | 0.8  |
| 11-MGB-016  | Soil                             | <0.1 | 1.9  | 0.02  | 0.1  | <0.5 |
| 11-MGB-040  | Soil                             | <0.1 | 1.0  | 0.02  | <0.1 | 2.4  |
| 11-MGB-055  | Soil                             | <0.1 | 1.0  | 0.05  | 0.1  | 1.1  |
| 11-MGB-071  | Soil                             | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-MGB-073  | Soil                             | <0.1 | 0.9  | 0.01  | 0.3  | <0.5 |
| 11-BCQ-0051 | Soil                             | <0.1 | 1.1  | 0.02  | <0.1 | <0.5 |
| 11-BCQ-0079 | Soil                             | <0.1 | 1.2  | <0.01 | <0.1 | <0.5 |
| 11-AAB-0026 | Soil                             | <0.1 | 0.9  | 0.02  | <0.1 | <0.5 |



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Project: TING\_RG

Report Date: July 16, 2011

Page: 3 of 7 Part 1

## CERTIFICATE OF ANALYSIS

VAN11002655.1

|             | Method<br>Analyte<br>Unit<br>MDL | 4B  | 4B  | 4B   | 4B  | 4B   | 4B   | 4B   | 4B   | 4B  | 4B    | 4B  | 4B   | 4B  | 4B  | 4B   | 4B    | 4B   | 4B   |
|-------------|----------------------------------|-----|-----|------|-----|------|------|------|------|-----|-------|-----|------|-----|-----|------|-------|------|------|
|             |                                  | Ba  | Be  | Co   | Cs  | Ga   | Hf   | Nb   | Rb   | Sn  | Sr    | Ta  | Th   | U   | V   | W    | Zr    | Y    | La   |
|             |                                  | ppm | ppm | ppm  | ppm | ppm  | ppm  | ppm  | ppm  | ppm | ppm   | ppm | ppm  | ppm | ppm | ppm  | ppm   | ppm  | ppm  |
|             |                                  | 1   | 1   | 0.2  | 0.1 | 0.5  | 0.1  | 0.1  | 0.1  | 1   | 0.5   | 0.1 | 0.2  | 0.1 | 8   | 0.5  | 0.1   | 0.1  | 0.1  |
| 11-MGB-007  | Soil                             | 606 | <1  | 3.8  | 1.8 | 4.6  | 3.9  | 6.2  | 40.8 | <1  | 85.9  | 0.4 | 4.7  | 2.1 | 139 | <0.5 | 130.6 | 13.8 | 17.5 |
| 11-BCQ-0071 | Soil                             | 580 | 2   | 3.7  | 2.8 | 12.4 | 9.8  | 21.8 | 64.7 | 2   | 128.5 | 1.6 | 9.7  | 2.8 | 82  | 1.6  | 358.7 | 19.8 | 32.3 |
| 11-BSW-014  | Soil                             | 656 | 1   | 8.5  | 3.0 | 12.1 | 7.9  | 25.1 | 70.4 | 1   | 122.0 | 1.8 | 8.8  | 2.6 | 85  | 1.4  | 295.6 | 17.6 | 34.0 |
| 11-MGB-061  | Soil                             | 167 | 2   | 8.9  | 1.7 | 8.0  | 8.3  | 22.0 | 39.5 | 1   | 30.6  | 1.5 | 7.9  | 2.2 | 73  | 1.3  | 307.3 | 18.9 | 36.9 |
| 11-MGB-025  | Soil                             | 403 | 1   | 9.9  | 2.7 | 9.2  | 8.4  | 18.2 | 53.6 | 1   | 69.9  | 1.0 | 8.3  | 2.3 | 100 | 1.3  | 299.5 | 17.5 | 29.9 |
| 11-BSW-039  | Soil                             | 644 | 1   | 9.7  | 2.7 | 15.0 | 7.8  | 26.0 | 60.5 | 3   | 132.7 | 1.8 | 10.6 | 3.2 | 96  | 1.5  | 309.7 | 22.4 | 35.4 |
| 11-MGB-035  | Soil                             | 274 | <1  | 3.9  | 1.5 | 5.6  | 8.9  | 11.9 | 40.3 | <1  | 31.0  | 0.8 | 6.1  | 1.9 | 51  | 1.1  | 371.4 | 16.6 | 22.0 |
| 11-MGB-072  | Soil                             | 493 | <1  | 5.6  | 2.7 | 10.6 | 8.1  | 20.0 | 56.4 | 2   | 72.9  | 1.4 | 8.3  | 2.8 | 87  | 1.8  | 322.2 | 17.0 | 31.9 |
| 11-MGB-040  | Soil                             | 280 | 1   | 2.7  | 2.8 | 11.1 | 10.1 | 28.8 | 55.2 | 2   | 46.3  | 1.8 | 9.2  | 2.5 | 60  | 1.9  | 401.8 | 19.9 | 34.2 |
| 11-AAB-0049 | Soil                             | 720 | <1  | 3.4  | 3.8 | 14.1 | 8.1  | 17.4 | 61.0 | 2   | 88.4  | 1.1 | 10.5 | 3.3 | 158 | 1.5  | 305.7 | 22.6 | 35.7 |
| 11-AAB-0011 | Soil                             | 581 | 2   | 8.2  | 4.1 | 18.7 | 8.2  | 34.4 | 71.5 | 4   | 128.7 | 2.2 | 10.3 | 2.8 | 127 | 1.6  | 323.5 | 21.3 | 36.5 |
| 11-AAB-0017 | Soil                             | 365 | <1  | 8.0  | 2.4 | 9.1  | 9.7  | 19.6 | 47.5 | 1   | 54.6  | 1.4 | 8.5  | 2.3 | 85  | 1.1  | 360.7 | 19.0 | 29.3 |
| 11-AAB-0025 | Soil                             | 397 | 1   | 19.1 | 6.4 | 13.7 | 6.6  | 17.9 | 56.7 | 2   | 94.8  | 1.4 | 6.9  | 2.1 | 158 | 1.1  | 263.7 | 19.0 | 31.8 |
| 11-AAB-0027 | Soil                             | 581 | <1  | 7.3  | 2.2 | 13.2 | 9.2  | 20.1 | 52.4 | 2   | 105.0 | 1.4 | 8.7  | 2.7 | 86  | 1.5  | 366.8 | 19.3 | 33.2 |
| 11-AAB-0050 | Soil                             | 609 | <1  | 2.6  | 2.2 | 13.0 | 9.5  | 15.2 | 47.7 | 2   | 166.5 | 1.2 | 9.5  | 2.9 | 76  | 1.2  | 349.8 | 17.1 | 32.7 |
| 11-BCQ-0022 | Soil                             | 389 | 2   | 3.7  | 1.3 | 4.5  | 10.9 | 11.3 | 33.6 | <1  | 44.2  | 0.8 | 5.7  | 1.6 | 45  | 1.0  | 405.5 | 14.8 | 26.0 |
| 11-BCQ-0033 | Soil                             | 737 | <1  | 6.9  | 2.4 | 7.3  | 7.4  | 13.7 | 41.7 | <1  | 60.9  | 0.9 | 6.2  | 5.2 | 144 | 0.9  | 297.1 | 23.5 | 29.0 |
| 11-BCQ-0046 | Soil                             | 341 | 1   | 5.0  | 2.6 | 5.5  | 9.0  | 17.9 | 41.7 | 1   | 44.9  | 1.3 | 7.5  | 2.5 | 96  | 1.2  | 368.4 | 17.7 | 26.9 |
| 11-BCQ-0049 | Soil                             | 545 | 1   | 5.1  | 3.0 | 13.4 | 9.7  | 24.5 | 65.3 | 2   | 110.0 | 1.8 | 9.1  | 3.1 | 105 | 1.4  | 349.8 | 19.4 | 31.9 |
| 11-BCQ-0055 | Soil                             | 542 | 1   | 3.3  | 2.1 | 11.3 | 7.9  | 22.6 | 52.1 | 2   | 122.1 | 1.8 | 9.2  | 2.5 | 91  | 1.7  | 288.8 | 18.9 | 32.4 |
| 11-BCQ-0059 | Soil                             | 464 | 2   | 6.6  | 2.2 | 10.0 | 10.1 | 20.6 | 43.2 | 2   | 140.1 | 1.6 | 8.6  | 2.7 | 76  | 2.0  | 357.4 | 24.4 | 32.4 |
| 11-BCQ-0065 | Soil                             | 466 | 1   | 7.3  | 2.3 | 7.9  | 8.2  | 15.0 | 54.4 | 1   | 62.8  | 1.1 | 8.1  | 3.0 | 106 | 5.5  | 291.2 | 17.9 | 27.4 |
| 11-BCQ-0069 | Soil                             | 530 | <1  | 2.4  | 1.9 | 15.0 | 10.4 | 27.7 | 55.8 | 3   | 102.3 | 2.0 | 11.7 | 3.1 | 93  | 2.1  | 383.5 | 21.5 | 37.8 |
| 11-BCQ-0070 | Soil                             | 663 | <1  | 3.6  | 2.8 | 14.6 | 8.6  | 24.5 | 66.3 | 3   | 180.4 | 1.8 | 10.3 | 3.1 | 81  | 1.8  | 307.1 | 19.6 | 35.4 |
| 11-BCQ-0073 | Soil                             | 570 | <1  | 2.1  | 2.3 | 12.3 | 9.6  | 19.0 | 49.8 | 1   | 231.7 | 1.5 | 9.6  | 2.9 | 49  | 1.5  | 344.1 | 16.9 | 34.1 |
| 11-BCQ-0074 | Soil                             | 357 | <1  | 6.4  | 4.8 | 8.4  | 10.2 | 24.3 | 61.7 | 2   | 37.5  | 1.7 | 9.0  | 2.9 | 63  | 1.6  | 373.1 | 26.2 | 26.0 |
| 11-BCQ-0087 | Soil                             | 545 | <1  | 2.8  | 2.8 | 7.7  | 9.2  | 11.8 | 46.5 | 1   | 63.1  | 1.0 | 7.3  | 3.4 | 136 | 1.2  | 363.6 | 19.2 | 25.5 |
| 11-BSW-023  | Soil                             | 357 | <1  | 7.9  | 3.3 | 9.0  | 8.8  | 17.3 | 51.4 | 2   | 52.5  | 1.1 | 7.8  | 2.5 | 95  | 9.0  | 326.6 | 19.4 | 28.7 |
| 11-BSW-028  | Soil                             | 668 | 2   | 11.0 | 6.2 | 14.2 | 7.5  | 19.9 | 68.6 | 3   | 99.8  | 1.4 | 11.0 | 2.9 | 124 | 1.4  | 259.4 | 24.3 | 34.0 |
| 11-BSW-029  | Soil                             | 439 | 1   | 10.6 | 5.6 | 9.7  | 5.9  | 19.9 | 71.9 | 2   | 50.2  | 1.5 | 8.9  | 2.6 | 95  | 1.6  | 230.6 | 24.6 | 29.6 |



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Project: TING\_RG

Report Date: July 16, 2011

Page: 3 of 7 Part 2

## CERTIFICATE OF ANALYSIS

**VAN11002655.1**

|             | Method<br>Analyte | Unit<br>MDL | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 1DX  | 1DX | 1DX  | 1DX  | 1DX | 1DX  | 1DX  | 1DX  |
|-------------|-------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|-----|------|------|------|
|             |                   |             | Nd   | Sm   | Eu   | Gd   | Tb   | Dy   | Ho   | Er   | Tm   | Yb   | Lu   | Mo  | Cu   | Pb   | Zn  | Ni   | As   | Cd   |
|             |                   |             | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm | ppm  | ppm  | ppm | ppm  | ppm  | ppm  |
|             |                   |             | 0.3  | 0.05 | 0.02 | 0.05 | 0.01 | 0.05 | 0.02 | 0.03 | 0.01 | 0.05 | 0.01 | 0.1 | 0.1  | 0.1  | 1   | 0.1  | 0.5  | 0.1  |
| 11-MGB-007  | Soil              |             | 15.9 | 2.94 | 0.57 | 2.57 | 0.37 | 2.16 | 0.43 | 1.29 | 0.19 | 1.27 | 0.18 | 0.9 | 8.2  | 9.7  | 249 | 20.8 | 4.1  | 5.4  |
| 11-BCQ-0071 | Soil              |             | 27.2 | 4.63 | 0.84 | 3.89 | 0.62 | 3.80 | 0.78 | 2.28 | 0.34 | 2.26 | 0.33 | 0.7 | 5.2  | 9.1  | 35  | 6.1  | 3.4  | <0.1 |
| 11-BSW-014  | Soil              |             | 27.8 | 4.58 | 0.86 | 3.71 | 0.57 | 3.53 | 0.63 | 2.10 | 0.33 | 2.04 | 0.30 | 0.6 | 6.3  | 14.4 | 45  | 13.3 | 3.8  | <0.1 |
| 11-MGB-061  | Soil              |             | 29.1 | 5.18 | 1.07 | 4.28 | 0.68 | 4.14 | 0.74 | 2.23 | 0.35 | 2.34 | 0.32 | 0.5 | 16.7 | 19.8 | 30  | 16.9 | 6.7  | <0.1 |
| 11-MGB-025  | Soil              |             | 24.1 | 4.28 | 0.80 | 3.43 | 0.56 | 3.12 | 0.67 | 1.91 | 0.29 | 2.12 | 0.30 | 1.1 | 13.7 | 8.4  | 52  | 17.4 | 5.0  | 0.2  |
| 11-BSW-039  | Soil              |             | 30.5 | 5.47 | 1.01 | 4.56 | 0.72 | 4.24 | 0.83 | 2.41 | 0.38 | 2.35 | 0.36 | 0.8 | 9.9  | 17.0 | 61  | 15.9 | 7.2  | <0.1 |
| 11-MGB-035  | Soil              |             | 19.7 | 3.64 | 0.64 | 2.91 | 0.50 | 2.81 | 0.61 | 1.74 | 0.27 | 1.76 | 0.26 | 0.2 | 7.5  | 6.5  | 46  | 5.8  | 2.5  | 0.2  |
| 11-MGB-072  | Soil              |             | 24.5 | 4.30 | 0.77 | 3.46 | 0.53 | 2.99 | 0.63 | 1.93 | 0.31 | 2.07 | 0.31 | 0.9 | 9.0  | 15.8 | 58  | 13.5 | 9.0  | <0.1 |
| 11-MGB-040  | Soil              |             | 28.0 | 5.31 | 0.82 | 3.93 | 0.63 | 3.56 | 0.77 | 2.28 | 0.36 | 2.33 | 0.35 | 0.4 | 10.0 | 8.6  | 17  | 4.7  | 2.9  | 0.1  |
| 11-AAB-0049 | Soil              |             | 30.7 | 4.87 | 0.92 | 3.92 | 0.62 | 3.87 | 0.82 | 2.65 | 0.39 | 2.55 | 0.40 | 3.3 | 6.7  | 12.1 | 53  | 11.0 | 10.7 | <0.1 |
| 11-AAB-0011 | Soil              |             | 28.9 | 5.16 | 0.99 | 4.34 | 0.69 | 4.29 | 0.82 | 2.46 | 0.37 | 2.44 | 0.37 | 0.7 | 3.3  | 11.9 | 52  | 7.9  | 1.8  | <0.1 |
| 11-AAB-0017 | Soil              |             | 27.3 | 4.84 | 0.91 | 4.06 | 0.62 | 3.57 | 0.74 | 2.23 | 0.31 | 2.14 | 0.33 | 0.7 | 21.3 | 9.0  | 29  | 12.4 | 3.8  | <0.1 |
| 11-AAB-0025 | Soil              |             | 26.9 | 4.92 | 1.15 | 4.15 | 0.65 | 3.82 | 0.74 | 2.13 | 0.35 | 2.28 | 0.34 | 0.8 | 38.6 | 8.8  | 79  | 20.9 | 3.9  | 0.2  |
| 11-AAB-0027 | Soil              |             | 26.7 | 4.52 | 0.87 | 3.72 | 0.60 | 3.62 | 0.73 | 2.06 | 0.34 | 2.23 | 0.33 | 0.7 | 4.9  | 8.8  | 45  | 8.2  | 2.5  | <0.1 |
| 11-AAB-0050 | Soil              |             | 25.7 | 4.63 | 0.76 | 3.28 | 0.53 | 3.12 | 0.68 | 1.92 | 0.33 | 2.12 | 0.33 | 0.7 | 2.9  | 4.6  | 19  | 1.9  | 1.1  | <0.1 |
| 11-BCQ-0022 | Soil              |             | 32.5 | 5.91 | 1.00 | 3.87 | 0.54 | 3.08 | 0.57 | 1.63 | 0.27 | 1.73 | 0.28 | 0.3 | 8.4  | 5.5  | 31  | 7.4  | 2.2  | 0.2  |
| 11-BCQ-0033 | Soil              |             | 25.0 | 4.70 | 0.95 | 4.47 | 0.68 | 3.75 | 0.81 | 2.40 | 0.35 | 2.40 | 0.35 | 3.9 | 15.0 | 16.8 | 248 | 31.6 | 9.1  | 2.8  |
| 11-BCQ-0046 | Soil              |             | 23.7 | 4.25 | 0.80 | 3.36 | 0.55 | 3.13 | 0.63 | 1.74 | 0.30 | 1.88 | 0.30 | 0.6 | 11.0 | 6.8  | 52  | 12.3 | 3.4  | 0.3  |
| 11-BCQ-0049 | Soil              |             | 26.1 | 4.34 | 0.77 | 3.45 | 0.58 | 3.29 | 0.70 | 2.09 | 0.33 | 2.12 | 0.34 | 1.0 | 6.2  | 10.3 | 54  | 8.4  | 3.8  | <0.1 |
| 11-BCQ-0055 | Soil              |             | 27.5 | 4.74 | 0.83 | 3.70 | 0.60 | 3.43 | 0.71 | 2.06 | 0.35 | 2.03 | 0.33 | 0.4 | 5.2  | 8.6  | 21  | 5.9  | 2.0  | <0.1 |
| 11-BCQ-0059 | Soil              |             | 28.4 | 5.22 | 1.02 | 4.97 | 0.81 | 4.30 | 0.86 | 2.52 | 0.40 | 2.49 | 0.38 | 0.8 | 10.7 | 8.4  | 35  | 10.8 | 3.4  | 0.3  |
| 11-BCQ-0065 | Soil              |             | 22.0 | 4.01 | 0.77 | 3.41 | 0.57 | 3.16 | 0.64 | 2.01 | 0.31 | 2.00 | 0.31 | 1.9 | 18.0 | 11.5 | 141 | 20.0 | 6.0  | 1.8  |
| 11-BCQ-0069 | Soil              |             | 30.7 | 5.36 | 0.90 | 4.15 | 0.66 | 3.84 | 0.75 | 2.29 | 0.37 | 2.44 | 0.38 | 0.7 | 4.5  | 7.5  | 21  | 3.3  | 2.5  | <0.1 |
| 11-BCQ-0070 | Soil              |             | 29.7 | 5.20 | 0.94 | 4.03 | 0.64 | 3.64 | 0.70 | 2.11 | 0.33 | 2.17 | 0.34 | 0.5 | 4.7  | 8.2  | 28  | 4.0  | 1.7  | <0.1 |
| 11-BCQ-0073 | Soil              |             | 31.5 | 5.58 | 0.99 | 3.74 | 0.54 | 3.05 | 0.59 | 1.73 | 0.28 | 1.92 | 0.30 | 0.3 | 3.0  | 1.9  | 9   | 1.1  | <0.5 | <0.1 |
| 11-BCQ-0074 | Soil              |             | 23.2 | 4.77 | 0.92 | 4.77 | 0.81 | 4.54 | 0.95 | 2.87 | 0.46 | 2.73 | 0.43 | 0.4 | 17.7 | 6.8  | 39  | 10.6 | 3.6  | 0.4  |
| 11-BCQ-0087 | Soil              |             | 20.3 | 3.48 | 0.70 | 2.90 | 0.49 | 3.07 | 0.62 | 1.97 | 0.32 | 2.08 | 0.32 | 5.0 | 9.0  | 12.6 | 37  | 9.8  | 10.2 | 0.2  |
| 11-BSW-023  | Soil              |             | 24.4 | 4.11 | 0.79 | 3.50 | 0.59 | 3.57 | 0.70 | 2.20 | 0.36 | 2.24 | 0.33 | 0.7 | 11.4 | 10.0 | 46  | 16.6 | 4.7  | <0.1 |
| 11-BSW-028  | Soil              |             | 31.1 | 5.77 | 1.21 | 5.11 | 0.82 | 4.61 | 0.88 | 2.63 | 0.39 | 2.53 | 0.39 | 0.9 | 29.6 | 10.9 | 64  | 23.1 | 4.4  | <0.1 |
| 11-BSW-029  | Soil              |             | 27.5 | 5.64 | 1.25 | 5.23 | 0.85 | 4.64 | 0.85 | 2.51 | 0.38 | 2.35 | 0.36 | 0.6 | 31.5 | 7.3  | 94  | 21.1 | 2.2  | 0.8  |



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**Project:** TING\_RG

**Report Date:** July 16, 2011

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## CERTIFICATE OF ANALYSIS

VAN11002655.1

|             | Method<br>Analyte<br>Unit<br>MDL | 1DX  | 1DX  | 1DX   | 1DX  | 1DX  |
|-------------|----------------------------------|------|------|-------|------|------|
|             |                                  | Ag   | Au   | Hg    | Tl   | Se   |
|             |                                  | ppm  | ppb  | ppm   | ppm  | ppm  |
|             |                                  | 0.1  | 0.5  | 0.01  | 0.1  | 0.5  |
| 11-MGB-007  | Soil                             | 0.1  | 2.2  | 0.05  | 0.4  | 0.6  |
| 11-BCQ-0071 | Soil                             | <0.1 | 2.7  | 0.01  | 0.1  | <0.5 |
| 11-BSW-014  | Soil                             | <0.1 | 2.9  | 0.02  | 0.1  | <0.5 |
| 11-MGB-061  | Soil                             | <0.1 | 0.7  | 0.03  | <0.1 | <0.5 |
| 11-MGB-025  | Soil                             | <0.1 | <0.5 | 0.02  | 0.1  | <0.5 |
| 11-BSW-039  | Soil                             | 0.1  | 0.6  | 0.05  | 0.2  | <0.5 |
| 11-MGB-035  | Soil                             | <0.1 | 1.2  | 0.02  | <0.1 | <0.5 |
| 11-MGB-072  | Soil                             | <0.1 | 1.3  | <0.01 | 0.2  | <0.5 |
| 11-MGB-040  | Soil                             | <0.1 | 0.5  | 0.02  | <0.1 | <0.5 |
| 11-AAB-0049 | Soil                             | <0.1 | 0.7  | 0.03  | 0.2  | <0.5 |
| 11-AAB-0011 | Soil                             | <0.1 | 10.2 | 0.03  | <0.1 | <0.5 |
| 11-AAB-0017 | Soil                             | <0.1 | 1.5  | 0.02  | <0.1 | <0.5 |
| 11-AAB-0025 | Soil                             | <0.1 | <0.5 | 0.06  | <0.1 | <0.5 |
| 11-AAB-0027 | Soil                             | <0.1 | <0.5 | 0.01  | 0.1  | <0.5 |
| 11-AAB-0050 | Soil                             | <0.1 | 2.4  | 0.03  | <0.1 | <0.5 |
| 11-BCQ-0022 | Soil                             | <0.1 | <0.5 | 0.02  | <0.1 | <0.5 |
| 11-BCQ-0033 | Soil                             | <0.1 | 4.3  | 0.13  | 0.4  | 1.3  |
| 11-BCQ-0046 | Soil                             | <0.1 | <0.5 | 0.03  | 0.1  | 0.8  |
| 11-BCQ-0049 | Soil                             | <0.1 | 0.8  | 0.03  | 0.1  | <0.5 |
| 11-BCQ-0055 | Soil                             | <0.1 | 34.4 | 0.02  | <0.1 | <0.5 |
| 11-BCQ-0059 | Soil                             | <0.1 | <0.5 | 0.02  | <0.1 | <0.5 |
| 11-BCQ-0065 | Soil                             | <0.1 | 0.7  | 0.02  | 0.1  | <0.5 |
| 11-BCQ-0069 | Soil                             | <0.1 | 0.8  | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0070 | Soil                             | <0.1 | 5.4  | 0.02  | <0.1 | <0.5 |
| 11-BCQ-0073 | Soil                             | <0.1 | 1.1  | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0074 | Soil                             | 0.1  | <0.5 | 0.04  | <0.1 | 1.0  |
| 11-BCQ-0087 | Soil                             | <0.1 | <0.5 | 0.02  | 0.2  | 0.8  |
| 11-BSW-023  | Soil                             | <0.1 | 0.9  | 0.01  | <0.1 | <0.5 |
| 11-BSW-028  | Soil                             | <0.1 | 1.2  | 0.02  | 0.1  | <0.5 |
| 11-BSW-029  | Soil                             | <0.1 | 1.3  | 0.09  | <0.1 | <0.5 |



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Project: TING\_RG

Report Date: July 16, 2011

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## CERTIFICATE OF ANALYSIS

VAN11002655.1

|             | Method<br>Analyte<br>Unit<br>MDL | 4B       | 4B       | 4B         | 4B         | 4B         | 4B         | 4B         | 4B         | 4B       | 4B         | 4B         | 4B         | 4B         | 4B       | 4B         | 4B         | 4B         | 4B         | 4B         | 4B          |
|-------------|----------------------------------|----------|----------|------------|------------|------------|------------|------------|------------|----------|------------|------------|------------|------------|----------|------------|------------|------------|------------|------------|-------------|
|             |                                  | Ba       | Be       | Co         | Cs         | Ga         | Hf         | Nb         | Rb         | Sn       | Sr         | Ta         | Th         | U          | V        | W          | Zr         | Y          | La         | Ce         | Pr          |
|             |                                  | ppm<br>1 | ppm<br>1 | ppm<br>0.2 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.5 | ppm<br>0.1 | ppm<br>0.2 | ppm<br>0.1 | ppm<br>8 | ppm<br>0.5 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.02 |
| 11-BSW-030  | Soil                             | 295      | <1       | 10.9       | 5.9        | 7.6        | 8.1        | 23.0       | 48.3       | 1        | 45.4       | 1.5        | 8.2        | 2.3        | 78       | 1.9        | 295.9      | 21.0       | 30.9       | 67.7       | 7.89        |
| 11-BSW-036  | Soil                             | 422      | 1        | 5.3        | 2.7        | 11.1       | 10.6       | 22.2       | 51.5       | 2        | 75.8       | 1.6        | 9.5        | 2.8        | 82       | 1.6        | 385.4      | 19.0       | 32.2       | 66.4       | 7.27        |
| 11-BSW-042  | Soil                             | 586      | <1       | 6.8        | 3.5        | 13.1       | 8.5        | 23.1       | 72.2       | 3        | 95.5       | 1.6        | 10.1       | 3.1        | 88       | 2.1        | 325.9      | 22.4       | 34.1       | 70.9       | 7.89        |
| 11-BSW-046  | Soil                             | 608      | 2        | 6.7        | 2.4        | 10.5       | 10.1       | 22.9       | 59.5       | 2        | 116.4      | 1.6        | 10.9       | 3.1        | 80       | 1.4        | 379.9      | 21.1       | 34.9       | 71.9       | 8.15        |
| 11-BSW-057  | Soil                             | 432      | 1        | 3.7        | 4.3        | 11.7       | 9.3        | 20.8       | 68.0       | 2        | 68.2       | 1.5        | 8.3        | 2.8        | 101      | 1.3        | 343.3      | 17.6       | 28.5       | 59.2       | 6.45        |
| 11-BSW-058  | Soil                             | 648      | <1       | 4.4        | 3.7        | 12.4       | 8.0        | 18.0       | 69.4       | 2        | 93.7       | 1.2        | 9.4        | 2.7        | 107      | 1.3        | 285.5      | 17.5       | 33.5       | 67.6       | 7.57        |
| 11-BSW-065  | Soil                             | 349      | <1       | 2.1        | 1.9        | 9.1        | 11.3       | 16.5       | 37.3       | 1        | 58.1       | 1.1        | 7.4        | 2.8        | 89       | 1.3        | 410.6      | 16.7       | 26.5       | 54.9       | 6.02        |
| 11-BSW-34   | Soil                             | 317      | <1       | 8.7        | 5.1        | 7.2        | 9.7        | 20.1       | 42.7       | 1        | 41.1       | 1.3        | 7.4        | 2.2        | 78       | 1.7        | 367.4      | 18.7       | 24.2       | 51.9       | 5.75        |
| 11-MGB-010  | Soil                             | 645      | <1       | 4.5        | 2.2        | 6.7        | 4.4        | 7.2        | 50.5       | 1        | 95.2       | 0.6        | 5.8        | 3.4        | 286      | 0.6        | 154.3      | 15.8       | 20.6       | 39.3       | 4.83        |
| 11-MGB-012  | Soil                             | 4418     | <1       | 5.4        | 2.5        | 7.2        | 3.8        | 6.9        | 55.3       | 1        | 115.8      | 0.5        | 5.9        | 4.1        | 278      | 0.5        | 139.0      | 17.8       | 20.8       | 38.3       | 4.80        |
| 11-MGB-015  | Soil                             | 545      | <1       | 4.5        | 3.1        | 7.1        | 5.7        | 12.8       | 50.3       | 1        | 99.3       | 0.8        | 7.0        | 3.2        | 51       | 0.9        | 216.3      | 16.5       | 24.9       | 47.0       | 5.56        |
| 11-MGB-019  | Soil                             | 463      | <1       | 7.1        | 3.7        | 13.4       | 8.5        | 19.8       | 64.6       | 2        | 71.8       | 1.4        | 8.9        | 2.9        | 116      | 1.4        | 308.1      | 18.2       | 29.2       | 61.1       | 6.88        |
| 11-MGB-020  | Soil                             | 647      | 1        | 8.7        | 6.5        | 15.8       | 6.2        | 18.8       | 91.8       | 3        | 179.1      | 1.4        | 8.9        | 3.1        | 100      | 1.5        | 228.9      | 18.1       | 28.7       | 61.3       | 6.43        |
| 11-MGB-021  | Soil                             | 367      | <1       | 9.9        | 4.0        | 10.0       | 7.8        | 17.6       | 57.2       | 1        | 62.5       | 1.2        | 8.5        | 2.3        | 102      | 1.2        | 274.5      | 17.6       | 29.8       | 64.4       | 7.08        |
| 11-MGB-022  | Soil                             | 727      | 2        | 10.8       | 5.3        | 16.9       | 7.9        | 26.8       | 66.5       | 3        | 149.5      | 1.9        | 10.5       | 3.1        | 110      | 1.3        | 277.1      | 21.1       | 32.9       | 67.3       | 7.62        |
| 11-MGB-031  | Soil                             | 364      | <1       | 19.5       | 9.2        | 10.8       | 5.8        | 15.3       | 53.7       | 1        | 37.1       | 0.9        | 7.7        | 2.2        | 120      | 0.9        | 217.2      | 22.3       | 33.1       | 70.5       | 7.81        |
| 11-MGB-034  | Soil                             | 380      | <1       | 5.0        | 1.6        | 5.1        | 12.0       | 11.7       | 40.2       | 1        | 34.5       | 0.8        | 6.4        | 2.2        | 40       | 1.0        | 441.9      | 17.5       | 23.3       | 49.5       | 5.55        |
| 11-MGB-039  | Soil                             | 423      | <1       | 7.2        | 4.3        | 8.4        | 10.6       | 25.8       | 59.5       | 2        | 42.4       | 1.7        | 9.6        | 3.3        | 58       | 1.6        | 392.0      | 24.8       | 27.1       | 58.4       | 6.69        |
| 11-MGB-041  | Soil                             | 623      | <1       | 4.0        | 2.0        | 6.6        | 7.1        | 13.9       | 47.2       | 1        | 42.2       | 1.1        | 6.6        | 3.9        | 110      | 0.9        | 266.7      | 17.3       | 27.8       | 56.1       | 6.48        |
| 11-MGB-047  | Soil                             | 931      | <1       | 6.8        | 3.8        | 7.5        | 8.4        | 9.8        | 42.7       | 1        | 67.9       | 0.7        | 6.9        | 7.0        | 119      | 1.1        | 324.0      | 19.0       | 22.7       | 44.3       | 5.14        |
| 11-MGB-048  | Soil                             | 1178     | 1        | 20.6       | 4.7        | 8.5        | 4.4        | 8.8        | 49.7       | 1        | 69.8       | 0.6        | 7.0        | 7.3        | 150      | 0.7        | 191.8      | 18.2       | 22.4       | 46.2       | 5.43        |
| 11-MGB-053  | Soil                             | 307      | <1       | 3.3        | 1.5        | 3.1        | 3.7        | 4.9        | 22.4       | <1       | 67.8       | 0.3        | 3.1        | 3.2        | 32       | 0.6        | 139.7      | 9.7        | 11.5       | 23.3       | 2.51        |
| 11-MGB-063  | Soil                             | 583      | 1        | 8.0        | 2.9        | 14.4       | 8.4        | 27.4       | 50.2       | 3        | 100.5      | 1.8        | 10.3       | 3.0        | 108      | 1.6        | 326.1      | 19.8       | 30.8       | 64.9       | 6.89        |
| 11-MGB-066  | Soil                             | 384      | 1        | 6.4        | 1.9        | 9.4        | 8.6        | 18.2       | 39.9       | 1        | 62.7       | 1.2        | 6.3        | 2.2        | 91       | 1.4        | 315.7      | 14.8       | 26.0       | 54.5       | 6.03        |
| 11-MGB-067  | Soil                             | 260      | 3        | 8.9        | 4.5        | 17.7       | 6.5        | 31.3       | 125.4      | 2        | 110.0      | 1.5        | 13.4       | 4.1        | 107      | 1.8        | 233.1      | 19.4       | 35.1       | 75.3       | 7.49        |
| 11-MGB-075  | Soil                             | 194      | 1        | 8.7        | 1.4        | 7.2        | 7.5        | 8.4        | 28.6       | 1        | 25.7       | 0.6        | 5.3        | 1.8        | 81       | 0.7        | 290.6      | 11.2       | 16.8       | 34.7       | 3.84        |
| 11-MGB-081  | Soil                             | 589      | 2        | 5.3        | 2.6        | 10.2       | 9.8        | 12.3       | 56.5       | 2        | 82.3       | 0.9        | 7.2        | 2.8        | 131      | 1.4        | 343.3      | 20.3       | 26.0       | 51.1       | 5.91        |
| 11-MGB-082  | Soil                             | 812      | 2        | 6.5        | 2.3        | 10.8       | 8.7        | 14.3       | 52.0       | 4        | 93.1       | 1.1        | 7.3        | 2.7        | 133      | 1.3        | 316.2      | 16.4       | 23.4       | 45.8       | 5.37        |
| 11-AAB-0016 | Soil                             | 410      | 2        | 10.4       | 2.7        | 7.9        | 6.6        | 12.3       | 50.8       | 1        | 67.0       | 0.8        | 7.3        | 1.9        | 86       | 1.5        | 239.6      | 25.5       | 24.3       | 49.1       | 6.10        |
| 11-AAB-0018 | Soil                             | 330      | 1        | 8.3        | 1.8        | 6.9        | 9.4        | 13.2       | 41.4       | 1        | 49.4       | 1.0        | 6.5        | 1.8        | 81       | 1.3        | 382.7      | 20.1       | 27.3       | 60.0       | 6.94        |



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Report Date: July 16, 2011

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## CERTIFICATE OF ANALYSIS

**VAN11002655.1**

|             | Method | Analyte | Unit | MDL  | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 1DX  | 1DX | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX |     |     |
|-------------|--------|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|-----|-----|-----|
|             |        |         |      |      | Nd   | Sm   | Eu   | Gd   | Tb   | Dy   | Ho   | Er   | Tm   | Yb   | Lu   | Mo  | Cu   | Pb   | Zn   | Ni   | As   | Cd  | Sb  | Bi  |
|             |        |         |      |      | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm | ppm  | ppm  | ppm  | ppm  | ppm  | ppm | ppm | ppm |
|             |        |         |      |      | 0.3  | 0.05 | 0.02 | 0.05 | 0.01 | 0.05 | 0.02 | 0.03 | 0.01 | 0.05 | 0.01 | 0.1 | 0.1  | 0.1  | 1    | 0.1  | 0.5  | 0.1 | 0.1 | 0.1 |
| 11-BSW-030  | Soil   | 29.2    | 5.67 | 1.08 | 4.51 | 0.72 | 3.92 | 0.78 | 2.21 | 0.35 | 2.28 | 0.33 | 0.4  | 31.0 | 7.6  | 47  | 14.5 | 3.0  | 0.2  | 0.1  | 0.1  |     |     |     |
| 11-BSW-036  | Soil   | 26.9    | 4.53 | 0.81 | 3.65 | 0.59 | 3.30 | 0.66 | 2.17 | 0.35 | 2.18 | 0.35 | 0.7  | 8.4  | 16.7 | 42  | 10.6 | 6.3  | <0.1 | <0.1 | 0.2  |     |     |     |
| 11-BSW-042  | Soil   | 29.1    | 5.19 | 0.94 | 4.22 | 0.71 | 4.19 | 0.82 | 2.59 | 0.42 | 2.65 | 0.40 | 0.7  | 9.5  | 11.0 | 52  | 12.4 | 3.8  | 0.1  | <0.1 | 0.3  |     |     |     |
| 11-BSW-046  | Soil   | 30.1    | 5.18 | 0.99 | 4.41 | 0.69 | 3.85 | 0.78 | 2.49 | 0.37 | 2.49 | 0.37 | 0.4  | 5.7  | 9.4  | 45  | 13.0 | 2.5  | <0.1 | <0.1 | 0.2  |     |     |     |
| 11-BSW-057  | Soil   | 22.7    | 3.86 | 0.69 | 3.00 | 0.50 | 3.09 | 0.64 | 1.85 | 0.32 | 2.18 | 0.33 | 1.5  | 5.8  | 8.7  | 44  | 6.4  | 6.2  | 0.1  | 0.1  | 0.2  |     |     |     |
| 11-BSW-058  | Soil   | 28.1    | 4.51 | 0.82 | 3.49 | 0.53 | 3.06 | 0.63 | 1.92 | 0.32 | 2.05 | 0.31 | 1.8  | 5.9  | 11.8 | 48  | 11.9 | 6.6  | 0.1  | 0.1  | 0.2  |     |     |     |
| 11-BSW-065  | Soil   | 21.7    | 3.51 | 0.65 | 2.93 | 0.48 | 2.85 | 0.63 | 1.85 | 0.31 | 1.97 | 0.32 | 1.9  | 4.1  | 12.0 | 24  | 5.1  | 7.3  | 0.2  | 0.3  | 0.2  |     |     |     |
| 11-BSW-34   | Soil   | 20.5    | 3.95 | 0.78 | 3.58 | 0.59 | 3.47 | 0.67 | 1.99 | 0.32 | 2.06 | 0.32 | 0.4  | 21.2 | 88.5 | 85  | 12.6 | 7.1  | 0.4  | 0.8  | 0.2  |     |     |     |
| 11-MGB-010  | Soil   | 18.7    | 3.31 | 0.67 | 2.87 | 0.46 | 2.45 | 0.50 | 1.43 | 0.22 | 1.43 | 0.22 | 2.6  | 10.6 | 11.1 | 279 | 23.3 | 7.1  | 4.4  | 1.9  | 0.1  |     |     |     |
| 11-MGB-012  | Soil   | 18.1    | 3.41 | 0.65 | 3.13 | 0.46 | 2.64 | 0.52 | 1.53 | 0.24 | 1.59 | 0.23 | 3.3  | 14.2 | 9.8  | 350 | 31.1 | 8.4  | 6.0  | 3.1  | 0.1  |     |     |     |
| 11-MGB-015  | Soil   | 21.5    | 3.90 | 0.78 | 3.35 | 0.51 | 2.84 | 0.56 | 1.66 | 0.26 | 1.58 | 0.24 | 0.4  | 9.3  | 12.5 | 53  | 9.2  | 3.6  | 1.9  | 0.4  | 0.2  |     |     |     |
| 11-MGB-019  | Soil   | 25.0    | 4.17 | 0.77 | 3.40 | 0.56 | 3.22 | 0.67 | 2.14 | 0.34 | 2.22 | 0.33 | 0.9  | 7.6  | 8.1  | 34  | 9.1  | 3.7  | 0.2  | 0.2  | 0.4  |     |     |     |
| 11-MGB-020  | Soil   | 24.6    | 4.35 | 0.85 | 3.59 | 0.59 | 3.49 | 0.67 | 2.07 | 0.32 | 1.99 | 0.30 | 0.6  | 13.8 | 8.1  | 46  | 9.0  | 1.5  | 0.3  | 0.1  | 0.3  |     |     |     |
| 11-MGB-021  | Soil   | 26.8    | 4.69 | 0.89 | 3.64 | 0.57 | 3.27 | 0.63 | 2.09 | 0.32 | 2.08 | 0.32 | 0.4  | 12.5 | 6.6  | 40  | 13.1 | 2.1  | 0.2  | 0.2  | 0.2  |     |     |     |
| 11-MGB-022  | Soil   | 29.0    | 5.33 | 1.05 | 4.56 | 0.73 | 4.13 | 0.78 | 2.41 | 0.35 | 2.33 | 0.37 | 0.8  | 19.4 | 11.4 | 51  | 10.8 | 2.2  | 0.5  | 0.1  | 0.3  |     |     |     |
| 11-MGB-031  | Soil   | 29.0    | 5.51 | 1.25 | 5.05 | 0.78 | 4.33 | 0.84 | 2.46 | 0.37 | 2.30 | 0.34 | 0.4  | 56.1 | 14.5 | 67  | 21.3 | 2.8  | 0.3  | 0.3  | 0.2  |     |     |     |
| 11-MGB-034  | Soil   | 20.8    | 3.86 | 0.72 | 3.58 | 0.58 | 3.33 | 0.66 | 1.93 | 0.32 | 2.11 | 0.32 | 0.3  | 10.3 | 5.4  | 27  | 5.9  | 3.3  | 0.2  | 0.2  | 0.1  |     |     |     |
| 11-MGB-039  | Soil   | 25.4    | 5.21 | 0.97 | 5.03 | 0.82 | 4.64 | 0.92 | 2.73 | 0.42 | 2.83 | 0.42 | 0.2  | 12.3 | 5.0  | 33  | 7.5  | 2.8  | 0.3  | 0.1  | 0.1  |     |     |     |
| 11-MGB-041  | Soil   | 23.8    | 4.23 | 0.78 | 3.57 | 0.58 | 3.15 | 0.63 | 1.88 | 0.30 | 1.84 | 0.29 | 1.0  | 11.2 | 7.2  | 84  | 12.2 | 4.2  | 1.1  | 0.5  | <0.1 |     |     |     |
| 11-MGB-047  | Soil   | 19.8    | 3.70 | 0.78 | 3.57 | 0.56 | 3.14 | 0.66 | 1.97 | 0.32 | 2.11 | 0.33 | 2.2  | 12.5 | 8.8  | 85  | 21.4 | 7.1  | 0.8  | 0.2  | 0.1  |     |     |     |
| 11-MGB-048  | Soil   | 20.4    | 3.96 | 0.79 | 3.51 | 0.56 | 3.25 | 0.63 | 1.92 | 0.31 | 1.89 | 0.30 | 9.2  | 16.5 | 10.0 | 187 | 38.5 | 37.5 | 0.9  | 0.3  | 0.1  |     |     |     |
| 11-MGB-053  | Soil   | 9.8     | 1.84 | 0.38 | 1.65 | 0.26 | 1.52 | 0.29 | 0.91 | 0.14 | 0.94 | 0.15 | 2.3  | 7.1  | 15.7 | 41  | 10.8 | 6.8  | 0.5  | 0.4  | <0.1 |     |     |     |
| 11-MGB-063  | Soil   | 25.4    | 4.34 | 0.83 | 3.62 | 0.61 | 3.64 | 0.74 | 2.23 | 0.35 | 2.33 | 0.36 | 0.9  | 9.2  | 13.6 | 51  | 13.2 | 4.6  | 0.2  | <0.1 | 0.2  |     |     |     |
| 11-MGB-066  | Soil   | 22.3    | 3.58 | 0.70 | 2.79 | 0.44 | 2.52 | 0.56 | 1.67 | 0.27 | 1.73 | 0.27 | 1.2  | 6.2  | 10.4 | 27  | 10.6 | 4.4  | <0.1 | 0.1  | 0.1  |     |     |     |
| 11-MGB-067  | Soil   | 27.0    | 4.65 | 0.95 | 3.88 | 0.62 | 3.62 | 0.72 | 2.11 | 0.34 | 2.20 | 0.33 | 2.5  | 15.5 | 35.0 | 20  | 20.2 | 11.2 | 0.2  | <0.1 | 0.3  |     |     |     |
| 11-MGB-075  | Soil   | 15.0    | 2.33 | 0.49 | 1.81 | 0.31 | 1.95 | 0.41 | 1.17 | 0.20 | 1.28 | 0.20 | 1.1  | 9.4  | 6.4  | 26  | 13.0 | 3.9  | <0.1 | <0.1 | <0.1 |     |     |     |
| 11-MGB-081  | Soil   | 20.6    | 3.51 | 0.68 | 3.00 | 0.51 | 3.31 | 0.72 | 2.16 | 0.33 | 2.07 | 0.34 | 4.0  | 8.5  | 10.5 | 74  | 15.5 | 6.5  | 0.2  | 0.2  | 0.1  |     |     |     |
| 11-MGB-082  | Soil   | 19.9    | 3.51 | 0.63 | 2.75 | 0.44 | 2.68 | 0.56 | 1.71 | 0.28 | 1.80 | 0.28 | 2.4  | 6.3  | 9.7  | 45  | 15.0 | 5.0  | <0.1 | <0.1 | <0.1 |     |     |     |
| 11-AAB-0016 | Soil   | 24.0    | 4.77 | 1.07 | 4.56 | 0.74 | 4.46 | 0.83 | 2.52 | 0.36 | 2.36 | 0.36 | 0.5  | 66.4 | 7.8  | 53  | 13.7 | 2.7  | 0.5  | 0.2  | 0.1  |     |     |     |
| 11-AAB-0018 | Soil   | 25.9    | 4.97 | 0.99 | 4.19 | 0.64 | 3.68 | 0.70 | 2.00 | 0.32 | 2.06 | 0.33 | 0.5  | 27.1 | 8.8  | 37  | 9.5  | 2.4  | 0.2  | 0.2  | <0.1 |     |     |     |



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**Project:** TING\_RG

**Report Date:** July 16, 2011

**Page:** 4 of 7 Part 3

## CERTIFICATE OF ANALYSIS

VAN11002655.1

|             | Method<br>Analyte<br>Unit<br>MDL | 1DX  | 1DX  | 1DX   | 1DX  | 1DX  |
|-------------|----------------------------------|------|------|-------|------|------|
|             |                                  | Ag   | Au   | Hg    | Tl   | Se   |
|             |                                  | ppm  | ppb  | ppm   | ppm  | ppm  |
|             |                                  | 0.1  | 0.5  | 0.01  | 0.1  | 0.5  |
| 11-BSW-030  | Soil                             | <0.1 | 2.4  | 0.02  | <0.1 | <0.5 |
| 11-BSW-036  | Soil                             | <0.1 | 2.4  | 0.02  | <0.1 | <0.5 |
| 11-BSW-042  | Soil                             | <0.1 | <0.5 | 0.01  | 0.1  | <0.5 |
| 11-BSW-046  | Soil                             | <0.1 | 1.4  | <0.01 | <0.1 | <0.5 |
| 11-BSW-057  | Soil                             | <0.1 | <0.5 | <0.01 | 0.1  | <0.5 |
| 11-BSW-058  | Soil                             | <0.1 | <0.5 | 0.02  | 0.1  | <0.5 |
| 11-BSW-065  | Soil                             | <0.1 | 4.4  | 0.01  | <0.1 | <0.5 |
| 11-BSW-34   | Soil                             | <0.1 | 4.0  | 0.02  | <0.1 | <0.5 |
| 11-MGB-010  | Soil                             | 0.2  | 3.7  | 0.04  | 0.3  | 0.8  |
| 11-MGB-012  | Soil                             | 0.4  | 1.0  | 0.07  | 0.3  | 2.4  |
| 11-MGB-015  | Soil                             | 0.1  | 1.3  | 0.05  | 0.1  | 1.8  |
| 11-MGB-019  | Soil                             | <0.1 | <0.5 | 0.01  | 0.1  | <0.5 |
| 11-MGB-020  | Soil                             | 0.1  | 1.7  | 0.04  | 0.1  | <0.5 |
| 11-MGB-021  | Soil                             | <0.1 | 2.3  | <0.01 | <0.1 | <0.5 |
| 11-MGB-022  | Soil                             | <0.1 | 0.7  | 0.01  | <0.1 | <0.5 |
| 11-MGB-031  | Soil                             | <0.1 | 1.6  | <0.01 | <0.1 | <0.5 |
| 11-MGB-034  | Soil                             | <0.1 | 0.7  | 0.02  | <0.1 | <0.5 |
| 11-MGB-039  | Soil                             | 0.1  | 1.2  | 0.03  | <0.1 | 0.6  |
| 11-MGB-041  | Soil                             | <0.1 | 1.4  | 0.03  | <0.1 | 1.5  |
| 11-MGB-047  | Soil                             | 0.3  | 1.3  | 0.12  | 0.2  | 1.6  |
| 11-MGB-048  | Soil                             | 0.3  | 2.9  | 0.10  | 0.2  | 2.2  |
| 11-MGB-053  | Soil                             | <0.1 | <0.5 | 0.03  | 0.5  | 1.4  |
| 11-MGB-063  | Soil                             | <0.1 | <0.5 | <0.01 | <0.1 | 0.5  |
| 11-MGB-066  | Soil                             | <0.1 | 1.1  | <0.01 | <0.1 | <0.5 |
| 11-MGB-067  | Soil                             | 0.1  | 1.7  | 0.03  | 0.2  | <0.5 |
| 11-MGB-075  | Soil                             | <0.1 | 3.4  | 0.06  | <0.1 | <0.5 |
| 11-MGB-081  | Soil                             | <0.1 | 1.3  | <0.01 | 0.1  | <0.5 |
| 11-MGB-082  | Soil                             | <0.1 | 2.0  | <0.01 | 0.1  | <0.5 |
| 11-AAB-0016 | Soil                             | <0.1 | 2.3  | 0.06  | <0.1 | 0.5  |
| 11-AAB-0018 | Soil                             | <0.1 | 0.7  | 0.01  | <0.1 | <0.5 |



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Report Date: July 16, 2011

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## CERTIFICATE OF ANALYSIS

VAN11002655.1

|             | Method<br>Analyte<br>Unit<br>MDL | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     |
|-------------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|             |                                  | Ba     | Be     | Co     | Cs     | Ga     | Hf     | Nb     | Rb     | Sn     | Sr     | Ta     | Th     | U      | V      | W      | Zr     | Y      | La     | Ce     |
|             |                                  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
|             |                                  | 1      | 1      | 0.2    | 0.1    | 0.5    | 0.1    | 0.1    | 0.1    | 1      | 0.5    | 0.1    | 0.2    | 0.1    | 8      | 0.5    | 0.1    | 0.1    | 0.1    | 0.1    |
| 11-AAB-002  | Soil                             | 543    | 2      | 3.9    | 2.3    | 14.1   | 9.7    | 21.9   | 56.1   | 3      | 106.1  | 1.6    | 8.9    | 2.8    | 118    | 4.4    | 355.1  | 21.8   | 32.5   | 66.6   |
| 11-AAB-0031 | Soil                             | 889    | 3      | 10.1   | 2.9    | 10.1   | 9.2    | 27.3   | 64.3   | 1      | 163.6  | 1.5    | 9.7    | 2.5    | 93     | 1.6    | 354.7  | 22.1   | 32.0   | 62.5   |
| 11-AAB-0041 | Soil                             | 723    | 2      | 9.9    | 3.0    | 10.1   | 14.0   | 9.1    | 66.2   | 1      | 88.1   | 0.7    | 8.5    | 2.7    | 86     | 1.1    | 499.4  | 28.2   | 30.3   | 60.9   |
| 11-AAB-0046 | Soil                             | 595    | 1      | 5.2    | 1.5    | 5.7    | 13.2   | 7.8    | 32.7   | 1      | 54.6   | 0.5    | 5.5    | 2.2    | 70     | 0.7    | 491.7  | 17.7   | 16.6   | 33.0   |
| 11-AAB-0055 | Soil                             | 541    | 2      | 1.3    | 2.1    | 11.2   | 9.7    | 12.8   | 44.1   | 2      | 85.7   | 0.9    | 7.7    | 3.0    | 132    | 1.4    | 342.7  | 18.3   | 27.7   | 54.9   |
| 11-BCQ-0023 | Soil                             | 335    | 2      | 6.8    | 1.8    | 6.8    | 8.1    | 11.6   | 41.7   | 1      | 48.6   | 0.8    | 5.5    | 1.6    | 77     | 0.8    | 309.5  | 19.6   | 20.4   | 44.5   |
| 11-BCQ-0038 | Soil                             | 1222   | 2      | 7.5    | 3.3    | 6.6    | 6.9    | 13.4   | 45.9   | 1      | 35.5   | 0.9    | 6.1    | 2.7    | 133    | 1.3    | 276.7  | 15.2   | 29.7   | 61.5   |
| 11-BCQ-0066 | Soil                             | 517    | 2      | 2.8    | 2.0    | 13.5   | 8.6    | 19.9   | 48.6   | 2      | 140.9  | 1.5    | 8.8    | 2.6    | 86     | 1.6    | 332.5  | 17.8   | 33.0   | 66.0   |
| 11-BCQ-0080 | Soil                             | 614    | 2      | 3.5    | 3.0    | 13.0   | 8.8    | 21.6   | 66.2   | 2      | 111.0  | 1.6    | 9.6    | 2.8    | 98     | 1.7    | 339.7  | 20.0   | 32.1   | 66.9   |
| 11-BSW-032  | Soil                             | 290    | 3      | 12.1   | 6.3    | 9.8    | 9.1    | 23.6   | 60.3   | 1      | 49.3   | 1.6    | 8.5    | 2.4    | 105    | 1.7    | 341.5  | 23.6   | 29.2   | 66.9   |
| 11-BSW-061  | Soil                             | 431    | 1      | 1.8    | 2.8    | 9.7    | 10.1   | 15.9   | 51.6   | 1      | 61.7   | 1.1    | 6.4    | 2.5    | 110    | 1.7    | 390.5  | 16.9   | 24.6   | 48.3   |
| 11-BSW-062  | Soil                             | 837    | 3      | 7.1    | 2.5    | 14.9   | 5.9    | 13.8   | 46.6   | 1      | 258.1  | 1.0    | 8.6    | 3.0    | 84     | 1.2    | 223.7  | 20.4   | 29.4   | 60.8   |
| 11-BSW-064  | Soil                             | 336    | 1      | 4.7    | 1.8    | 7.3    | 15.1   | 16.5   | 42.4   | 2      | 49.0   | 1.2    | 7.2    | 2.9    | 89     | 1.4    | 579.4  | 19.9   | 29.5   | 61.7   |
| 11-MGB-043  | Soil                             | 221    | 1      | 0.9    | 0.8    | 2.6    | 2.6    | 3.2    | 19.9   | <1     | 65.0   | 0.2    | 2.3    | 2.3    | 64     | <0.5   | 97.9   | 8.7    | 8.8    | 16.3   |
| 11-MGB-059  | Soil                             | 510    | 2      | 4.6    | 1.8    | 6.5    | 10.0   | 9.2    | 29.4   | <1     | 69.7   | 0.7    | 5.2    | 2.7    | 95     | 0.7    | 374.2  | 17.1   | 17.4   | 33.7   |
| 11-MGL-069  | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11-BCQ-0036 | Soil                             | 371    | 1      | 5.2    | 2.3    | 6.1    | 15.7   | 18.0   | 36.6   | <1     | 42.8   | 1.0    | 8.3    | 4.1    | 111    | 1.3    | 592.9  | 21.9   | 31.7   | 68.4   |
| 11-BSW-024  | Soil                             | 663    | 1      | 3.0    | 4.2    | 14.6   | 9.7    | 20.8   | 70.9   | 3      | 118.0  | 1.5    | 9.6    | 2.7    | 106    | 1.6    | 344.2  | 20.1   | 34.0   | 71.1   |
| 11-BSW-067  | Soil                             | 700    | 3      | 11.3   | 5.9    | 19.9   | 9.5    | 18.5   | 103.0  | 3      | 50.6   | 1.1    | 17.4   | 4.4    | 147    | 3.3    | 358.2  | 41.7   | 26.8   | 61.4   |
| 11-BSW-018  | Soil                             | 516    | 3      | 12.8   | 4.4    | 13.4   | 6.0    | 17.6   | 58.9   | 2      | 125.7  | 0.9    | 9.1    | 2.5    | 83     | 1.7    | 222.3  | 22.2   | 31.8   | 72.8   |
| 11-MGB-057  | Soil                             | 691    | 2      | 7.2    | 2.2    | 7.8    | 9.9    | 7.6    | 43.9   | <1     | 64.5   | 0.5    | 5.5    | 3.7    | 121    | 0.8    | 355.7  | 19.4   | 18.1   | 35.9   |
| 11-AAB-0014 | Soil                             | 497    | 1      | 4.1    | 2.8    | 12.1   | 8.5    | 21.0   | 68.1   | 2      | 92.6   | 1.5    | 7.7    | 2.5    | 102    | 2.8    | 324.6  | 20.0   | 31.0   | 65.2   |
| 11-MGB-056  | Soil                             | 556    | <1     | 1.1    | 1.2    | 4.0    | 12.2   | 5.5    | 24.8   | <1     | 40.0   | 0.4    | 3.2    | 2.2    | 86     | 0.6    | 451.6  | 13.7   | 11.5   | 22.0   |
| 11-BCQ-0108 | Soil                             | 524    | 2      | 3.8    | 4.0    | 5.5    | 5.3    | 8.3    | 39.6   | <1     | 117.7  | 0.4    | 6.1    | 1.9    | 56     | 0.6    | 191.0  | 13.3   | 20.5   | 43.3   |
| 11-BSW-041  | Soil                             | 656    | 2      | 6.6    | 2.9    | 14.1   | 7.3    | 18.9   | 56.5   | 2      | 158.9  | 1.3    | 9.0    | 2.7    | 86     | 1.6    | 275.0  | 19.4   | 30.0   | 62.5   |
| 11-BCQ-0072 | Soil                             | 537    | 2      | 2.9    | 2.3    | 14.3   | 10.0   | 22.7   | 55.4   | 2      | 105.0  | 1.6    | 8.1    | 2.7    | 97     | 1.4    | 382.5  | 18.5   | 29.9   | 64.2   |
| 11-BCQ-0068 | Soil                             | 766    | 2      | 5.8    | 3.2    | 12.4   | 7.8    | 22.1   | 71.1   | 2      | 95.8   | 1.5    | 9.7    | 3.5    | 96     | 1.7    | 269.8  | 22.6   | 32.5   | 67.5   |
| 11-BCQ-0114 | Soil                             | 304    | <1     | 2.9    | 1.5    | 4.3    | 3.9    | 7.1    | 27.8   | <1     | 70.0   | 0.5    | 4.8    | 1.3    | 39     | <0.5   | 140.9  | 8.4    | 15.7   | 32.7   |
| 11-AAB-0075 | Soil                             | 527    | <1     | 4.5    | 2.0    | 6.7    | 21.1   | 7.8    | 37.3   | <1     | 62.8   | 0.6    | 5.9    | 3.0    | 73     | 0.7    | 790.1  | 20.0   | 16.4   | 33.7   |
| 11-AAB-0091 | Soil                             | 41     | <1     | 0.8    | 0.6    | 2.7    | 0.7    | 1.4    | 4.5    | <1     | 19.2   | 0.1    | 1.3    | 0.6    | 22     | <0.5   | 20.9   | 4.0    | 4.8    | 9.6    |



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## CERTIFICATE OF ANALYSIS

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|             | Method<br>Analyte<br>Unit<br>MDL | 4B         | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 1DX        | 1DX        | 1DX        | 1DX      | 1DX        | 1DX        | 1DX        | 1DX        |
|-------------|----------------------------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|------------|----------|------------|------------|------------|------------|
|             |                                  | Nd         | Sm          | Eu          | Gd          | Tb          | Dy          | Ho          | Er          | Tm          | Yb          | Lu          | Mo         | Cu         | Pb         | Zn       | Ni         | As         | Cd         | Sb         |
|             |                                  | ppm<br>0.3 | ppm<br>0.05 | ppm<br>0.02 | ppm<br>0.05 | ppm<br>0.01 | ppm<br>0.05 | ppm<br>0.02 | ppm<br>0.03 | ppm<br>0.01 | ppm<br>0.05 | ppm<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.1 | ppm<br>0.1 |
| 11-AAB-002  | Soil                             | 27.9       | 4.81        | 0.85        | 3.80        | 0.62        | 3.84        | 0.78        | 2.39        | 0.39        | 2.43        | 0.37        | 0.9        | 9.1        | 10.8       | 34       | 8.2        | 5.4        | <0.1       | <0.1       |
| 11-AAB-0031 | Soil                             | 24.6       | 4.60        | 1.06        | 4.06        | 0.66        | 3.97        | 0.78        | 2.29        | 0.36        | 2.34        | 0.35        | 1.0        | 16.0       | 13.2       | 75       | 23.4       | 7.7        | 0.2        | <0.1       |
| 11-AAB-0041 | Soil                             | 32.0       | 6.29        | 1.33        | 5.46        | 0.87        | 4.99        | 0.94        | 2.70        | 0.41        | 2.56        | 0.40        | 1.1        | 14.6       | 11.5       | 57       | 25.1       | 7.0        | 0.1        | <0.1       |
| 11-AAB-0046 | Soil                             | 15.2       | 2.93        | 0.59        | 2.68        | 0.49        | 3.08        | 0.62        | 1.85        | 0.30        | 1.94        | 0.31        | 2.5        | 9.0        | 8.2        | 47       | 14.2       | 5.4        | 0.1        | 0.2        |
| 11-AAB-0055 | Soil                             | 23.4       | 3.88        | 0.72        | 3.16        | 0.50        | 3.04        | 0.62        | 1.97        | 0.32        | 2.11        | 0.32        | 3.3        | 6.4        | 10.4       | 33       | 7.5        | 6.5        | 0.2        | <0.1       |
| 11-BCQ-0023 | Soil                             | 21.1       | 4.14        | 0.90        | 3.80        | 0.59        | 3.43        | 0.67        | 1.94        | 0.30        | 1.84        | 0.29        | 0.6        | 34.1       | 8.0        | 37       | 10.8       | 2.6        | 0.3        | 0.2        |
| 11-BCQ-0038 | Soil                             | 25.5       | 4.29        | 0.85        | 3.33        | 0.48        | 2.74        | 0.54        | 1.60        | 0.24        | 1.63        | 0.25        | 1.6        | 8.0        | 10.0       | 75       | 15.1       | 5.1        | 0.7        | 1.0        |
| 11-BCQ-0066 | Soil                             | 26.6       | 4.27        | 0.76        | 3.43        | 0.55        | 3.16        | 0.62        | 1.89        | 0.31        | 1.96        | 0.31        | 1.2        | 5.1        | 5.1        | 25       | 3.4        | 3.3        | <0.1       | <0.1       |
| 11-BCQ-0080 | Soil                             | 27.8       | 4.60        | 0.82        | 3.72        | 0.58        | 3.45        | 0.70        | 2.13        | 0.35        | 2.24        | 0.34        | 0.9        | 4.4        | 9.7        | 43       | 9.7        | 3.5        | 0.1        | <0.1       |
| 11-BSW-032  | Soil                             | 31.0       | 6.24        | 1.23        | 5.19        | 0.79        | 4.47        | 0.87        | 2.53        | 0.38        | 2.31        | 0.37        | 0.5        | 34.3       | 8.3        | 44       | 14.4       | 2.3        | 0.1        | 0.2        |
| 11-BSW-061  | Soil                             | 19.2       | 3.24        | 0.64        | 2.84        | 0.46        | 2.77        | 0.57        | 1.81        | 0.29        | 1.97        | 0.30        | 2.3        | 6.5        | 10.7       | 52       | 9.1        | 4.9        | <0.1       | 0.1        |
| 11-BSW-062  | Soil                             | 27.0       | 4.84        | 1.04        | 4.30        | 0.67        | 3.84        | 0.73        | 2.08        | 0.31        | 1.92        | 0.30        | 0.7        | 18.8       | 15.1       | 70       | 14.2       | 2.2        | 1.4        | <0.1       |
| 11-BSW-064  | Soil                             | 25.3       | 3.97        | 0.71        | 3.25        | 0.54        | 3.32        | 0.71        | 2.18        | 0.37        | 2.43        | 0.37        | 3.1        | 5.0        | 10.2       | 39       | 6.8        | 9.4        | <0.1       | 0.4        |
| 11-MGB-043  | Soil                             | 8.3        | 1.45        | 0.30        | 1.33        | 0.22        | 1.32        | 0.26        | 0.81        | 0.12        | 0.75        | 0.12        | 1.0        | 5.8        | 12.1       | 46       | 8.1        | 3.5        | 0.5        | 0.3        |
| 11-MGB-059  | Soil                             | 15.9       | 2.96        | 0.60        | 2.79        | 0.47        | 2.72        | 0.56        | 1.82        | 0.29        | 1.84        | 0.29        | 2.3        | 10.1       | 10.4       | 56       | 16.2       | 9.0        | 0.4        | 0.3        |
| 11-MGL-069  | Soil                             | L.N.R.     | L.N.R.      | L.N.R.      | L.N.R.      | L.N.R.      | L.N.R.      | L.N.R.      | L.N.R.      | L.N.R.      | L.N.R.      | L.N.R.      | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.   | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.     |
| 11-BCQ-0036 | Soil                             | 27.5       | 4.49        | 0.86        | 3.72        | 0.62        | 3.68        | 0.77        | 2.40        | 0.39        | 2.51        | 0.39        | 4.7        | 12.3       | 10.8       | 88       | 29.2       | 8.0        | 1.3        | 0.9        |
| 11-BSW-024  | Soil                             | 29.9       | 5.00        | 0.88        | 3.99        | 0.64        | 3.69        | 0.73        | 2.23        | 0.37        | 2.24        | 0.35        | 0.5        | 2.7        | 9.3        | 33       | 6.9        | 2.3        | <0.1       | <0.1       |
| 11-BSW-067  | Soil                             | 30.9       | 7.94        | 1.53        | 7.78        | 1.32        | 7.38        | 1.48        | 4.38        | 0.67        | 4.03        | 0.60        | 1.3        | 18.3       | 14.0       | 76       | 16.5       | 15.5       | 0.9        | 0.1        |
| 11-BSW-018  | Soil                             | 30.6       | 5.80        | 1.18        | 5.07        | 0.80        | 4.43        | 0.83        | 2.39        | 0.35        | 2.14        | 0.32        | 1.2        | 23.1       | 49.9       | 186      | 20.6       | 29.0       | 1.9        | 0.3        |
| 11-MGB-057  | Soil                             | 17.0       | 3.31        | 0.67        | 3.14        | 0.52        | 3.22        | 0.66        | 2.05        | 0.32        | 2.07        | 0.32        | 2.6        | 11.3       | 15.1       | 108      | 19.3       | 9.7        | 0.8        | 0.2        |
| 11-AAB-0014 | Soil                             | 26.8       | 4.60        | 0.87        | 3.95        | 0.63        | 3.57        | 0.71        | 2.28        | 0.34        | 2.25        | 0.34        | 0.7        | 16.1       | 7.8        | 29       | 7.6        | 3.1        | <0.1       | 0.1        |
| 11-MGB-056  | Soil                             | 11.1       | 2.19        | 0.44        | 2.02        | 0.33        | 1.97        | 0.43        | 1.30        | 0.22        | 1.32        | 0.22        | 1.0        | 6.0        | 50.9       | 82       | 9.9        | 2.7        | 0.8        | 0.3        |
| 11-BCQ-0108 | Soil                             | 19.2       | 3.22        | 0.69        | 2.89        | 0.43        | 2.65        | 0.47        | 1.39        | 0.22        | 1.41        | 0.22        | 0.6        | 7.7        | 12.2       | 98       | 11.5       | 7.4        | 0.6        | 0.5        |
| 11-BSW-041  | Soil                             | 26.9       | 4.90        | 0.97        | 4.10        | 0.65        | 3.76        | 0.76        | 2.18        | 0.34        | 2.14        | 0.33        | 0.7        | 12.3       | 20.3       | 98       | 14.3       | 4.0        | 0.4        | 0.2        |
| 11-BCQ-0072 | Soil                             | 26.5       | 4.76        | 0.81        | 3.66        | 0.60        | 3.30        | 0.71        | 2.18        | 0.35        | 2.34        | 0.36        | 1.1        | 5.7        | 9.0        | 26       | 5.2        | 4.8        | <0.1       | 0.1        |
| 11-BCQ-0068 | Soil                             | 30.5       | 5.86        | 1.11        | 4.96        | 0.80        | 4.40        | 0.89        | 2.48        | 0.41        | 2.32        | 0.36        | 0.8        | 17.9       | 11.2       | 127      | 15.3       | 4.2        | 1.1        | 0.1        |
| 11-BCQ-0114 | Soil                             | 14.0       | 2.54        | 0.49        | 2.03        | 0.30        | 1.60        | 0.32        | 0.96        | 0.16        | 0.89        | 0.15        | 0.3        | 4.4        | 8.3        | 45       | 6.9        | 5.5        | 0.3        | 0.3        |
| 11-AAB-0075 | Soil                             | 16.7       | 3.09        | 0.64        | 3.05        | 0.54        | 3.39        | 0.71        | 2.39        | 0.40        | 2.51        | 0.41        | 1.1        | 8.2        | 8.3        | 67       | 18.6       | 5.7        | 0.4        | <0.1       |
| 11-AAB-0091 | Soil                             | 4.4        | 0.87        | 0.19        | 0.83        | 0.14        | 0.69        | 0.15        | 0.43        | 0.06        | 0.34        | 0.05        | 0.6        | 4.1        | 1.9        | 317      | 2.9        | 2.6        | 0.1        | <0.1       |



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**Project:** TING\_RG

**Report Date:** July 16, 2011

**Page:** 5 of 7 Part 3

## CERTIFICATE OF ANALYSIS

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|             |      | Method  | 1DX    | 1DX    | 1DX    | 1DX    | 1DX    |
|-------------|------|---------|--------|--------|--------|--------|--------|
|             |      | Analyte | Ag     | Au     | Hg     | Tl     | Se     |
|             |      | Unit    | ppm    | ppb    | ppm    | ppm    | ppm    |
|             |      | MDL     | 0.1    | 0.5    | 0.01   | 0.1    | 0.5    |
| 11-AAB-002  | Soil |         | 0.1    | 1.8    | <0.01  | <0.1   | <0.5   |
| 11-AAB-0031 | Soil |         | <0.1   | 0.8    | <0.01  | <0.1   | <0.5   |
| 11-AAB-0041 | Soil |         | <0.1   | 0.7    | <0.01  | 0.1    | <0.5   |
| 11-AAB-0046 | Soil |         | <0.1   | 2.3    | <0.01  | <0.1   | <0.5   |
| 11-AAB-0055 | Soil |         | <0.1   | 1.1    | 0.02   | 0.1    | <0.5   |
| 11-BCQ-0023 | Soil |         | <0.1   | 2.0    | 0.04   | <0.1   | <0.5   |
| 11-BCQ-0038 | Soil |         | <0.1   | 0.9    | 0.01   | 0.2    | 0.9    |
| 11-BCQ-0066 | Soil |         | <0.1   | <0.5   | <0.01  | <0.1   | <0.5   |
| 11-BCQ-0080 | Soil |         | <0.1   | 0.5    | <0.01  | <0.1   | <0.5   |
| 11-BSW-032  | Soil |         | <0.1   | 1.8    | <0.01  | <0.1   | <0.5   |
| 11-BSW-061  | Soil |         | <0.1   | 0.9    | <0.01  | 0.1    | <0.5   |
| 11-BSW-062  | Soil |         | 0.2    | 1.3    | 0.01   | 0.1    | <0.5   |
| 11-BSW-064  | Soil |         | <0.1   | 1.0    | <0.01  | <0.1   | <0.5   |
| 11-MGB-043  | Soil |         | <0.1   | <0.5   | 0.04   | 0.1    | <0.5   |
| 11-MGB-059  | Soil |         | 0.2    | 0.5    | 0.03   | <0.1   | 1.3    |
| 11-MGL-069  | Soil |         | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11-BCQ-0036 | Soil |         | 0.1    | 0.8    | 0.09   | 0.5    | 0.8    |
| 11-BSW-024  | Soil |         | <0.1   | 9.0    | 0.01   | <0.1   | <0.5   |
| 11-BSW-067  | Soil |         | 0.2    | 0.8    | 0.14   | 0.3    | <0.5   |
| 11-BSW-018  | Soil |         | 0.1    | <0.5   | 0.10   | 0.2    | <0.5   |
| 11-MGB-057  | Soil |         | 0.2    | <0.5   | 0.05   | 0.1    | 1.4    |
| 11-AAB-0014 | Soil |         | <0.1   | 0.7    | <0.01  | <0.1   | <0.5   |
| 11-MGB-056  | Soil |         | <0.1   | <0.5   | 0.06   | 0.2    | <0.5   |
| 11-BCQ-0108 | Soil |         | <0.1   | <0.5   | 0.05   | 0.2    | <0.5   |
| 11-BSW-041  | Soil |         | 0.1    | <0.5   | 0.05   | 0.1    | <0.5   |
| 11-BCQ-0072 | Soil |         | <0.1   | 7.9    | <0.01  | <0.1   | <0.5   |
| 11-BCQ-0068 | Soil |         | 0.1    | <0.5   | 0.03   | 0.1    | 0.7    |
| 11-BCQ-0114 | Soil |         | <0.1   | <0.5   | 0.03   | 0.5    | <0.5   |
| 11-AAB-0075 | Soil |         | <0.1   | <0.5   | 0.02   | <0.1   | 0.8    |
| 11-AAB-0091 | Soil |         | <0.1   | <0.5   | 0.01   | <0.1   | <0.5   |



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Report Date: July 16, 2011

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## CERTIFICATE OF ANALYSIS

VAN11002655.1

|             | Method<br>Analyte<br>Unit<br>MDL | 4B       | 4B       | 4B         | 4B         | 4B         | 4B         | 4B         | 4B         | 4B       | 4B         | 4B         | 4B         | 4B         | 4B       | 4B         | 4B         | 4B         | 4B         | 4B         | 4B          |
|-------------|----------------------------------|----------|----------|------------|------------|------------|------------|------------|------------|----------|------------|------------|------------|------------|----------|------------|------------|------------|------------|------------|-------------|
|             |                                  | Ba       | Be       | Co         | Cs         | Ga         | Hf         | Nb         | Rb         | Sn       | Sr         | Ta         | Th         | U          | V        | W          | Zr         | Y          | La         | Ce         | Pr          |
|             |                                  | ppm<br>1 | ppm<br>1 | ppm<br>0.2 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.5 | ppm<br>0.1 | ppm<br>0.2 | ppm<br>0.1 | ppm<br>8 | ppm<br>0.5 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.02 |
| 11-AAB-0076 | Soil                             | 632      | <1       | 7.6        | 2.6        | 6.5        | 11.7       | 8.3        | 42.9       | 1        | 73.0       | 0.4        | 6.1        | 3.4        | 114      | 0.9        | 458.9      | 22.2       | 21.3       | 38.3       | 4.95        |
| 11-AAB-0070 | Soil                             | 440      | 2        | 8.1        | 2.8        | 7.8        | 7.5        | 7.7        | 47.8       | 2        | 66.4       | 0.6        | 6.2        | 2.6        | 101      | 1.4        | 310.2      | 19.9       | 20.1       | 39.0       | 4.79        |
| 11-AAB-0087 | Soil                             | 48       | 2        | 0.7        | 1.1        | 1.9        | 1.2        | 1.8        | 12.2       | <1       | 15.9       | <0.1       | 1.5        | 0.4        | 47       | <0.5       | 43.7       | 2.7        | 4.7        | 7.8        | 0.80        |
| 11-AAB-0079 | Soil                             | 676      | 2        | 12.3       | 3.7        | 10.8       | 9.4        | 9.9        | 65.3       | 2        | 82.1       | 0.7        | 8.6        | 3.1        | 121      | 1.4        | 400.6      | 25.6       | 27.0       | 50.8       | 6.46        |
| 11-AAB-0085 | Soil                             | 533      | <1       | 8.2        | 3.4        | 8.9        | 11.2       | 9.5        | 52.5       | 1        | 93.1       | 0.6        | 9.3        | 3.3        | 110      | 1.3        | 469.3      | 27.5       | 24.4       | 45.2       | 5.73        |
| 11-AAB-0077 | Soil                             | 454      | <1       | 5.4        | 1.9        | 4.3        | 19.5       | 8.1        | 33.6       | 1        | 63.0       | 0.5        | 6.1        | 3.1        | 78       | 1.2        | 790.6      | 22.7       | 18.0       | 33.2       | 4.08        |
| 11-AAB-0074 | Soil                             | 643      | 2        | 9.4        | 3.1        | 8.1        | 9.6        | 8.1        | 54.5       | 1        | 84.2       | 0.8        | 7.6        | 3.2        | 107      | 0.9        | 361.7      | 22.6       | 23.3       | 43.4       | 5.31        |
| 11-AAB-0080 | Soil                             | 528      | 1        | 12.2       | 3.4        | 11.0       | 11.9       | 11.2       | 68.9       | 2        | 70.9       | 0.9        | 9.6        | 3.0        | 97       | 1.4        | 453.2      | 28.7       | 28.7       | 57.1       | 7.00        |
| 11-AAB-0086 | Soil                             | 443      | 3        | 9.6        | 3.3        | 10.6       | 10.2       | 9.3        | 50.6       | 2        | 87.2       | 0.7        | 9.6        | 3.3        | 104      | 1.1        | 411.3      | 29.1       | 27.9       | 50.6       | 6.41        |
| 11-AAB-0078 | Soil                             | 454      | <1       | 9.4        | 2.8        | 9.1        | 9.7        | 8.9        | 55.8       | 2        | 73.9       | 0.6        | 7.4        | 3.0        | 86       | 1.2        | 345.1      | 23.8       | 23.0       | 43.7       | 5.38        |
| 11-BSW-013  | Soil                             | 669      | 3        | 5.8        | 2.1        | 12.5       | 10.1       | 24.6       | 56.0       | 2        | 127.7      | 1.6        | 11.7       | 2.9        | 85       | 1.9        | 386.5      | 21.8       | 40.7       | 76.7       | 8.89        |
| 11-BSW-006  | Soil                             | 788      | <1       | 0.7        | 0.5        | 1.8        | 0.6        | 1.4        | 6.1        | <1       | 64.1       | <0.1       | 1.4        | 3.4        | 16       | <0.5       | 21.0       | 3.6        | 4.2        | 7.7        | 0.86        |
| 11-BSW-009  | Soil                             | 731      | 3        | 8.3        | 2.5        | 12.5       | 7.4        | 21.1       | 64.3       | 2        | 132.0      | 1.2        | 10.4       | 2.6        | 85       | 3.2        | 311.2      | 20.5       | 35.1       | 67.8       | 7.71        |
| 11-BSW-001  | Soil                             | 633      | 2        | 9.6        | 3.4        | 14.5       | 7.9        | 25.8       | 76.1       | 2        | 118.4      | 1.8        | 13.6       | 2.7        | 99       | 1.6        | 332.9      | 26.7       | 46.8       | 97.0       | 10.57       |
| 11-BSW-003  | Soil                             | 758      | 3        | 6.8        | 3.2        | 15.0       | 5.9        | 19.2       | 62.4       | 2        | 181.0      | 1.5        | 10.7       | 2.7        | 78       | 1.5        | 243.9      | 17.6       | 34.3       | 63.8       | 7.31        |
| 11-BSW-010  | Soil                             | 705      | 2        | 6.3        | 2.2        | 12.6       | 8.3        | 18.3       | 59.0       | 2        | 162.2      | 1.5        | 9.8        | 2.6        | 76       | 1.9        | 327.9      | 18.7       | 34.9       | 67.0       | 7.65        |
| 11-BSW-012  | Soil                             | 260      | 2        | 4.3        | 2.6        | 7.2        | 5.1        | 18.2       | 48.2       | <1       | 84.2       | 1.1        | 6.9        | 1.8        | 48       | 1.4        | 203.6      | 20.0       | 30.2       | 51.7       | 6.37        |
| 11-BSW-016  | Soil                             | 867      | 3        | 9.4        | 3.0        | 14.9       | 8.5        | 20.9       | 69.4       | 3        | 157.4      | 1.3        | 12.0       | 2.7        | 94       | 1.7        | 304.7      | 22.4       | 39.1       | 78.8       | 8.99        |
| 11-BSW-011  | Soil                             | 724      | 3        | 8.2        | 3.3        | 14.0       | 9.1        | 25.0       | 67.2       | 2        | 129.3      | 1.8        | 12.7       | 3.3        | 88       | 1.5        | 356.9      | 24.8       | 42.5       | 78.6       | 9.67        |
| 11-BSW-002  | Soil                             | 683      | 1        | 7.1        | 2.5        | 9.8        | 8.3        | 18.7       | 65.3       | 2        | 117.0      | 1.7        | 9.1        | 2.7        | 74       | 1.8        | 329.3      | 18.4       | 32.9       | 64.4       | 7.05        |
| 11-BSW-008  | Soil                             | 911      | 3        | 7.1        | 2.3        | 13.1       | 9.4        | 19.0       | 63.3       | 3        | 171.8      | 1.3        | 9.9        | 2.7        | 77       | 1.8        | 333.5      | 21.2       | 36.8       | 70.2       | 8.30        |
| 11-BSW-015  | Soil                             | 855      | 2        | 6.0        | 2.7        | 14.6       | 9.7        | 19.7       | 71.0       | 2        | 151.3      | 1.5        | 11.2       | 3.0        | 84       | 1.4        | 341.4      | 23.8       | 39.3       | 77.9       | 8.73        |
| 11-BSW-005  | Soil                             | 740      | <1       | 8.5        | 2.4        | 14.4       | 8.0        | 18.3       | 69.5       | 3        | 150.9      | 1.2        | 9.8        | 2.4        | 73       | 1.4        | 308.7      | 18.6       | 34.6       | 65.9       | 7.60        |
| 11-BSW-004  | Soil                             | 624      | <1       | 7.9        | 3.5        | 11.6       | 6.5        | 24.1       | 80.0       | 2        | 84.3       | 1.4        | 12.0       | 2.7        | 76       | 1.4        | 287.9      | 22.3       | 42.0       | 83.1       | 8.98        |
| 11-MGB-001  | Soil                             | 552      | 2        | 3.4        | 1.5        | 4.7        | 2.9        | 10.6       | 34.7       | 1        | 85.2       | 0.6        | 5.2        | 2.4        | 36       | <0.5       | 118.1      | 14.6       | 19.4       | 34.6       | 4.12        |
| 11-MGB-002  | Soil                             | 258      | <1       | 2.2        | 1.0        | 3.1        | 1.8        | 4.7        | 20.5       | <1       | 97.2       | 0.3        | 3.2        | 2.2        | 14       | <0.5       | 73.7       | 9.0        | 13.2       | 26.1       | 2.88        |
| 11-MGB-003  | Soil                             | 230      | <1       | 1.2        | 0.7        | 1.6        | 0.8        | 2.0        | 7.1        | <1       | 36.6       | 0.1        | 1.2        | 8.0        | <8       | 0.7        | 31.8       | 6.0        | 6.0        | 9.0        | 1.27        |
| 11-MGB-014  | Soil                             | 2463     | 2        | 2.7        | 1.5        | 5.0        | 5.9        | 7.8        | 48.2       | 1        | 103.1      | 0.6        | 6.5        | 3.2        | 195      | 0.9        | 239.3      | 20.5       | 27.0       | 48.7       | 6.31        |
| 11-MGB-013  | Soil                             | 2289     | <1       | 3.0        | 1.5        | 4.7        | 6.6        | 6.7        | 47.9       | 1        | 101.3      | 0.7        | 7.3        | 3.6        | 200      | 0.8        | 247.1      | 19.9       | 29.1       | 51.8       | 6.40        |
| 11-MGB-005  | Soil                             | 631      | <1       | 4.6        | 2.2        | 7.3        | 6.0        | 11.9       | 64.1       | 1        | 75.8       | 0.8        | 8.0        | 3.1        | 104      | 1.3        | 248.7      | 21.5       | 31.4       | 57.4       | 7.13        |



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Project: TING\_RG

Report Date: July 16, 2011

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## CERTIFICATE OF ANALYSIS

VAN11002655.1

|             | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 1DX | 1DX  | 1DX  | 1DX | 1DX  | 1DX  | 1DX  | 1DX  |
|-------------|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|-----|------|------|------|------|
|             |                                  | Nd   | Sm   | Eu   | Gd   | Tb   | Dy   | Ho   | Er   | Tm   | Yb   | Lu   | Mo  | Cu   | Pb   | Zn  | Ni   | As   | Cd   | Sb   |
|             |                                  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm | ppm  | ppm  | ppm | ppm  | ppm  | ppm  | ppm  |
|             |                                  | 0.3  | 0.05 | 0.02 | 0.05 | 0.01 | 0.05 | 0.02 | 0.03 | 0.01 | 0.05 | 0.01 | 0.1 | 0.1  | 0.1  | 1   | 0.1  | 0.5  | 0.1  | 0.1  |
| 11-AAB-0076 | Soil                             | 16.9 | 3.57 | 0.74 | 3.17 | 0.57 | 3.41 | 0.72 | 2.18 | 0.36 | 2.09 | 0.37 | 1.2 | 11.4 | 9.6  | 82  | 24.0 | 6.6  | 0.6  | 0.2  |
| 11-AAB-0070 | Soil                             | 17.2 | 3.32 | 0.75 | 3.04 | 0.56 | 3.02 | 0.69 | 1.83 | 0.32 | 1.97 | 0.34 | 1.7 | 12.5 | 10.3 | 56  | 19.8 | 6.7  | 0.3  | 0.2  |
| 11-AAB-0087 | Soil                             | 2.3  | 0.41 | 0.09 | 0.27 | 0.06 | 0.33 | 0.08 | 0.36 | 0.06 | 0.35 | 0.06 | 0.2 | 2.1  | 1.2  | 66  | 0.9  | 3.9  | <0.1 | <0.1 |
| 11-AAB-0079 | Soil                             | 23.6 | 4.75 | 0.99 | 3.98 | 0.74 | 4.01 | 0.84 | 2.51 | 0.38 | 2.53 | 0.44 | 1.3 | 21.4 | 13.9 | 79  | 31.2 | 8.5  | 0.3  | <0.1 |
| 11-AAB-0085 | Soil                             | 21.5 | 4.27 | 0.90 | 4.10 | 0.72 | 4.07 | 0.91 | 2.54 | 0.41 | 2.64 | 0.43 | 1.9 | 13.8 | 14.0 | 90  | 29.9 | 9.2  | 1.0  | <0.1 |
| 11-AAB-0077 | Soil                             | 14.5 | 2.81 | 0.63 | 2.70 | 0.52 | 3.05 | 0.74 | 2.14 | 0.36 | 2.39 | 0.43 | 1.0 | 7.3  | 7.3  | 55  | 16.5 | 5.2  | 0.3  | <0.1 |
| 11-AAB-0074 | Soil                             | 19.0 | 3.73 | 0.79 | 3.39 | 0.57 | 3.24 | 0.71 | 2.10 | 0.33 | 2.02 | 0.36 | 1.4 | 11.6 | 12.3 | 88  | 22.6 | 8.4  | 0.5  | <0.1 |
| 11-AAB-0080 | Soil                             | 25.6 | 4.99 | 1.12 | 4.65 | 0.82 | 4.78 | 1.01 | 2.90 | 0.46 | 2.96 | 0.46 | 0.7 | 19.3 | 13.6 | 68  | 29.5 | 7.8  | 0.2  | <0.1 |
| 11-AAB-0086 | Soil                             | 22.6 | 4.54 | 0.99 | 4.28 | 0.77 | 4.77 | 1.00 | 2.72 | 0.43 | 2.68 | 0.45 | 1.6 | 13.5 | 12.6 | 76  | 27.0 | 10.5 | 0.4  | <0.1 |
| 11-AAB-0078 | Soil                             | 19.0 | 3.90 | 0.90 | 3.75 | 0.63 | 3.67 | 0.75 | 2.26 | 0.36 | 2.32 | 0.35 | 1.6 | 16.3 | 12.3 | 77  | 28.6 | 7.5  | 0.4  | <0.1 |
| 11-BSW-013  | Soil                             | 28.8 | 5.04 | 0.92 | 3.74 | 0.63 | 3.53 | 0.77 | 2.19 | 0.35 | 2.36 | 0.38 | 0.6 | 2.6  | 11.2 | 22  | 8.5  | 2.2  | <0.1 | <0.1 |
| 11-BSW-006  | Soil                             | 3.7  | 0.70 | 0.14 | 0.56 | 0.10 | 0.49 | 0.11 | 0.32 | 0.04 | 0.21 | 0.04 | 0.3 | 9.8  | 3.6  | 11  | 4.0  | 1.9  | 0.3  | 0.2  |
| 11-BSW-009  | Soil                             | 28.3 | 4.51 | 0.88 | 3.57 | 0.58 | 3.26 | 0.70 | 1.93 | 0.32 | 2.04 | 0.35 | 0.9 | 7.8  | 20.7 | 63  | 16.9 | 6.5  | 0.2  | 0.1  |
| 11-BSW-001  | Soil                             | 33.4 | 6.14 | 1.23 | 4.93 | 0.84 | 4.79 | 0.92 | 2.59 | 0.39 | 2.39 | 0.40 | 0.7 | 8.9  | 24.5 | 148 | 23.6 | 7.0  | 0.6  | <0.1 |
| 11-BSW-003  | Soil                             | 26.5 | 4.17 | 0.89 | 3.31 | 0.56 | 3.03 | 0.61 | 1.83 | 0.28 | 1.93 | 0.29 | 0.3 | 8.0  | 18.1 | 86  | 14.5 | 2.8  | 0.6  | <0.1 |
| 11-BSW-010  | Soil                             | 27.3 | 4.43 | 0.80 | 3.19 | 0.55 | 3.01 | 0.68 | 1.77 | 0.31 | 2.03 | 0.32 | 0.4 | 3.2  | 12.2 | 47  | 10.2 | 2.7  | <0.1 | <0.1 |
| 11-BSW-012  | Soil                             | 22.4 | 4.23 | 0.86 | 3.38 | 0.58 | 3.30 | 0.69 | 1.84 | 0.30 | 1.85 | 0.28 | 0.4 | 8.1  | 15.0 | 29  | 11.6 | 4.9  | 0.2  | 0.1  |
| 11-BSW-016  | Soil                             | 30.7 | 5.86 | 1.09 | 4.32 | 0.72 | 3.71 | 0.82 | 2.19 | 0.36 | 2.39 | 0.36 | 0.4 | 6.3  | 14.9 | 78  | 20.4 | 5.1  | 0.3  | <0.1 |
| 11-BSW-011  | Soil                             | 34.3 | 6.13 | 1.23 | 4.80 | 0.80 | 4.32 | 0.90 | 2.41 | 0.41 | 2.62 | 0.38 | 0.7 | 9.0  | 15.4 | 61  | 22.0 | 6.2  | 0.2  | <0.1 |
| 11-BSW-002  | Soil                             | 24.1 | 4.00 | 0.78 | 3.07 | 0.55 | 2.72 | 0.62 | 1.64 | 0.30 | 1.90 | 0.27 | 1.4 | 8.6  | 28.0 | 81  | 17.9 | 7.7  | 0.2  | 0.1  |
| 11-BSW-008  | Soil                             | 28.4 | 4.94 | 0.91 | 3.66 | 0.61 | 3.31 | 0.73 | 1.98 | 0.36 | 2.11 | 0.35 | 0.4 | 3.8  | 11.7 | 53  | 10.6 | 2.3  | 0.2  | <0.1 |
| 11-BSW-015  | Soil                             | 29.7 | 5.49 | 0.97 | 4.01 | 0.71 | 3.93 | 0.83 | 2.31 | 0.38 | 2.53 | 0.36 | 0.4 | 3.8  | 12.9 | 58  | 13.3 | 2.9  | 0.1  | <0.1 |
| 11-BSW-005  | Soil                             | 26.8 | 4.66 | 0.86 | 3.35 | 0.53 | 2.71 | 0.62 | 1.85 | 0.32 | 1.99 | 0.31 | 0.6 | 4.1  | 18.1 | 128 | 10.3 | 3.2  | 0.5  | <0.1 |
| 11-BSW-004  | Soil                             | 31.2 | 5.55 | 1.11 | 4.43 | 0.71 | 3.94 | 0.80 | 2.14 | 0.38 | 2.30 | 0.35 | 0.9 | 11.8 | 32.5 | 80  | 17.1 | 8.1  | 0.4  | <0.1 |
| 11-MGB-001  | Soil                             | 15.6 | 2.86 | 0.64 | 2.50 | 0.42 | 2.06 | 0.48 | 1.02 | 0.21 | 1.22 | 0.19 | 0.4 | 13.9 | 16.0 | 68  | 11.6 | 0.7  | 3.2  | 0.4  |
| 11-MGB-002  | Soil                             | 11.1 | 1.85 | 0.40 | 1.57 | 0.25 | 1.36 | 0.27 | 0.76 | 0.13 | 0.70 | 0.12 | 0.2 | 8.1  | 17.9 | 86  | 5.9  | 0.8  | 1.5  | 0.2  |
| 11-MGB-003  | Soil                             | 5.7  | 1.00 | 0.24 | 0.94 | 0.14 | 0.85 | 0.17 | 0.49 | 0.06 | 0.43 | 0.08 | 1.5 | 14.4 | 3.6  | 57  | 4.8  | 2.4  | 1.9  | 1.1  |
| 11-MGB-014  | Soil                             | 23.5 | 4.23 | 0.77 | 3.33 | 0.54 | 2.83 | 0.57 | 1.59 | 0.26 | 1.66 | 0.26 | 0.4 | 6.7  | 7.4  | 134 | 15.1 | 0.7  | 3.1  | 0.7  |
| 11-MGB-013  | Soil                             | 24.9 | 4.20 | 0.74 | 3.17 | 0.53 | 2.83 | 0.63 | 1.71 | 0.26 | 1.60 | 0.25 | 0.7 | 8.3  | 7.9  | 194 | 18.4 | 2.5  | 5.4  | 1.0  |
| 11-MGB-005  | Soil                             | 26.1 | 4.86 | 0.96 | 3.99 | 0.63 | 3.24 | 0.65 | 1.76 | 0.29 | 1.91 | 0.29 | 1.8 | 12.0 | 19.9 | 245 | 16.8 | 6.1  | 4.8  | 1.1  |



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**Project:** TING\_RG

**Report Date:** July 16, 2011

**Page:** 6 of 7 **Part** 3

## CERTIFICATE OF ANALYSIS

VAN11002655.1

|             | Method<br>Analyte<br>Unit<br>MDL | 1DX  | 1DX  | 1DX   | 1DX  | 1DX  |
|-------------|----------------------------------|------|------|-------|------|------|
|             |                                  | Ag   | Au   | Hg    | Tl   | Se   |
|             |                                  | ppm  | ppb  | ppm   | ppm  | ppm  |
|             |                                  | 0.1  | 0.5  | 0.01  | 0.1  | 0.5  |
| 11-AAB-0076 | Soil                             | 0.1  | <0.5 | 0.04  | <0.1 | 2.2  |
| 11-AAB-0070 | Soil                             | <0.1 | <0.5 | 0.01  | <0.1 | <0.5 |
| 11-AAB-0087 | Soil                             | <0.1 | <0.5 | 0.01  | <0.1 | <0.5 |
| 11-AAB-0079 | Soil                             | <0.1 | <0.5 | 0.02  | <0.1 | <0.5 |
| 11-AAB-0085 | Soil                             | 0.2  | <0.5 | <0.01 | <0.1 | 2.2  |
| 11-AAB-0077 | Soil                             | <0.1 | <0.5 | 0.02  | <0.1 | 0.8  |
| 11-AAB-0074 | Soil                             | 0.1  | <0.5 | 0.03  | <0.1 | 0.7  |
| 11-AAB-0080 | Soil                             | <0.1 | <0.5 | 0.01  | <0.1 | <0.5 |
| 11-AAB-0086 | Soil                             | 0.2  | <0.5 | 0.03  | <0.1 | 1.8  |
| 11-AAB-0078 | Soil                             | <0.1 | <0.5 | 0.02  | 0.1  | 0.6  |
| 11-BSW-013  | Soil                             | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-BSW-006  | Soil                             | <0.1 | <0.5 | 0.07  | <0.1 | <0.5 |
| 11-BSW-009  | Soil                             | <0.1 | <0.5 | 0.02  | 0.1  | <0.5 |
| 11-BSW-001  | Soil                             | <0.1 | <0.5 | 0.01  | 0.2  | <0.5 |
| 11-BSW-003  | Soil                             | <0.1 | <0.5 | 0.02  | 0.1  | <0.5 |
| 11-BSW-010  | Soil                             | <0.1 | <0.5 | <0.01 | 0.1  | <0.5 |
| 11-BSW-012  | Soil                             | <0.1 | <0.5 | 0.03  | 0.1  | <0.5 |
| 11-BSW-016  | Soil                             | <0.1 | <0.5 | <0.01 | 0.1  | <0.5 |
| 11-BSW-011  | Soil                             | <0.1 | 0.6  | <0.01 | 0.1  | <0.5 |
| 11-BSW-002  | Soil                             | <0.1 | 0.7  | 0.01  | 0.1  | <0.5 |
| 11-BSW-008  | Soil                             | <0.1 | <0.5 | 0.01  | 0.1  | <0.5 |
| 11-BSW-015  | Soil                             | <0.1 | 0.9  | 0.02  | 0.1  | <0.5 |
| 11-BSW-005  | Soil                             | <0.1 | 1.2  | 0.02  | 0.1  | <0.5 |
| 11-BSW-004  | Soil                             | <0.1 | 0.8  | 0.02  | 0.2  | <0.5 |
| 11-MGB-001  | Soil                             | <0.1 | <0.5 | 0.05  | 0.2  | 3.9  |
| 11-MGB-002  | Soil                             | <0.1 | 1.3  | 0.03  | 0.1  | <0.5 |
| 11-MGB-003  | Soil                             | <0.1 | 1.0  | 0.11  | <0.1 | 4.7  |
| 11-MGB-014  | Soil                             | 0.1  | 0.8  | 0.04  | 0.2  | 1.2  |
| 11-MGB-013  | Soil                             | 0.1  | <0.5 | 0.06  | 0.3  | 1.8  |
| 11-MGB-005  | Soil                             | 0.1  | <0.5 | 0.06  | 0.2  | 0.7  |



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Project: TING\_RG

Report Date: July 16, 2011

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## CERTIFICATE OF ANALYSIS

VAN11002655.1

|             | Method<br>Analyte<br>Unit<br>MDL | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     |
|-------------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|             |                                  | Ba     | Be     | Co     | Cs     | Ga     | Hf     | Nb     | Rb     | Sn     | Sr     | Ta     | Th     | U      | V      | W      | Zr     | Y      | La     |
|             |                                  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
|             |                                  | 1      | 1      | 0.2    | 0.1    | 0.5    | 0.1    | 0.1    | 0.1    | 1      | 0.5    | 0.1    | 0.2    | 0.1    | 8      | 0.5    | 0.1    | 0.1    | 0.1    |
| 11-MGB-017  | Soil                             | 2997   | 3      | 1.8    | 2.3    | 5.6    | 4.7    | 6.8    | 48.9   | <1     | 72.4   | 0.5    | 4.4    | 3.3    | 262    | 0.8    | 174.4  | 15.4   | 19.5   |
| 11-MGB-023  | Soil                             | 356    | 3      | 11.3   | 5.8    | 11.5   | 8.4    | 18.0   | 63.6   | 2      | 45.5   | 1.2    | 8.6    | 2.4    | 99     | 1.7    | 338.1  | 20.8   | 32.4   |
| 11-MGB-070  | Soil                             | 456    | 2      | 7.4    | 5.7    | 14.0   | 8.7    | 27.7   | 81.5   | 2      | 80.1   | 1.7    | 12.0   | 3.5    | 71     | 1.9    | 319.2  | 21.9   | 40.3   |
| 11-BCQ-0014 | Soil                             | 596    | 3      | 6.4    | 2.5    | 10.9   | 9.1    | 15.1   | 55.2   | 2      | 110.8  | 1.0    | 8.9    | 2.9    | 67     | 1.3    | 368.6  | 16.4   | 29.6   |
| 11-BCQ-0018 | Soil                             | 753    | 2      | 8.0    | 3.1    | 15.5   | 9.0    | 20.7   | 67.7   | 3      | 142.8  | 1.5    | 12.2   | 2.9    | 86     | 2.0    | 350.5  | 19.6   | 38.1   |
| 11-BCQ-0009 | Soil                             | 320    | 3      | 5.2    | 2.4    | 5.5    | 3.8    | 9.1    | 36.3   | <1     | 74.4   | 0.6    | 5.6    | 1.8    | 76     | 0.8    | 132.4  | 20.3   | 27.2   |
| 11-BCQ-0016 | Soil                             | 277    | 2      | 9.2    | 4.7    | 9.1    | 4.3    | 21.1   | 68.7   | 1      | 65.2   | 1.2    | 7.7    | 2.1    | 62     | 1.0    | 168.6  | 20.1   | 28.2   |
| 11-BCQ-0001 | Soil                             | 674    | 2      | 8.2    | 2.6    | 11.6   | 8.3    | 20.0   | 60.1   | 2      | 126.0  | 1.3    | 10.0   | 3.4    | 116    | 1.9    | 315.4  | 18.5   | 35.2   |
| 11-BCQ-0011 | Soil                             | 577    | 1      | 6.8    | 2.5    | 10.1   | 8.4    | 18.5   | 52.3   | 2      | 98.2   | 1.3    | 9.5    | 2.6    | 82     | 1.5    | 301.9  | 14.1   | 29.9   |
| 11-BCQ-0013 | Soil                             | 490    | 1      | 4.7    | 2.6    | 9.0    | 9.3    | 15.3   | 58.3   | 1      | 62.8   | 1.0    | 8.4    | 2.6    | 88     | 1.0    | 377.0  | 14.2   | 25.2   |
| 11-BCQ-0004 | Soil                             | 413    | <1     | 4.4    | 1.7    | 5.9    | 4.2    | 8.8    | 42.9   | 1      | 92.7   | 0.6    | 7.1    | 2.4    | 158    | 0.8    | 178.0  | 24.1   | 26.2   |
| 11-BCQ-0002 | Soil                             | 565    | <1     | 3.9    | 1.9    | 10.1   | 8.5    | 15.0   | 56.9   | 2      | 83.3   | 1.1    | 8.4    | 3.1    | 181    | 1.5    | 331.4  | 17.3   | 32.1   |
| 11-BCQ-0017 | Soil                             | 493    | 1      | 7.1    | 2.9    | 11.2   | 8.6    | 19.6   | 60.7   | 2      | 96.1   | 1.4    | 8.8    | 2.6    | 95     | 1.1    | 348.6  | 18.0   | 30.4   |
| 11-BCQ-0015 | Soil                             | 647    | 1      | 5.0    | 2.1    | 12.1   | 9.6    | 17.6   | 57.6   | 2      | 151.2  | 1.3    | 9.5    | 2.8    | 79     | 1.4    | 388.3  | 19.2   | 33.7   |
| 11-BCQ-0003 | Soil                             | 738    | 2      | 7.0    | 2.4    | 12.3   | 7.7    | 17.4   | 63.2   | 2      | 135.0  | 1.3    | 9.0    | 2.9    | 124    | 1.4    | 323.1  | 19.4   | 33.1   |
| 11-MGB-096  | Soil                             | 363    | <1     | 4.3    | 2.2    | 7.9    | 9.7    | 12.9   | 47.9   | 1      | 62.7   | 0.9    | 5.9    | 2.9    | 99     | 1.5    | 390.5  | 20.5   | 21.2   |
| 11-MGB-099  | Soil                             | 543    | 1      | 9.5    | 3.1    | 9.7    | 8.6    | 10.4   | 57.1   | 2      | 83.2   | 0.7    | 8.0    | 4.0    | 106    | 0.9    | 354.3  | 23.9   | 22.6   |
| 11-MGB-111  | Soil                             | 502    | <1     | 6.7    | 2.9    | 9.9    | 6.3    | 8.1    | 42.2   | 1      | 83.5   | 0.5    | 6.8    | 2.7    | 100    | 0.9    | 269.4  | 19.6   | 21.6   |
| 11-MGB-103  | Soil                             | 689    | <1     | 7.9    | 2.2    | 7.0    | 8.6    | 9.3    | 45.0   | 1      | 79.8   | 0.6    | 6.2    | 2.5    | 104    | 0.6    | 352.9  | 18.6   | 18.6   |
| 11-MGB-109  | Soil                             | 840    | 2      | 12.1   | 4.4    | 12.4   | 14.5   | 11.8   | 74.0   | 2      | 100.7  | 0.9    | 10.0   | 3.8    | 115    | 2.1    | 593.1  | 28.7   | 28.5   |
| 11-MGB-102  | Soil                             | 517    | 1      | 11.2   | 2.9    | 9.6    | 9.5    | 11.7   | 58.1   | 1      | 68.2   | 0.8    | 8.8    | 2.2    | 80     | 0.9    | 374.1  | 24.3   | 21.3   |
| 11-MGB-108  | Soil                             | 430    | <1     | 8.1    | 2.0    | 7.0    | 14.8   | 8.9    | 45.2   | 1      | 79.3   | 0.7    | 7.8    | 3.0    | 68     | 0.8    | 607.4  | 25.1   | 21.8   |
| 11-MGB-101  | Soil                             | 428    | 1      | 10.1   | 2.8    | 9.0    | 7.7    | 9.5    | 56.2   | 1      | 63.4   | 0.7    | 7.2    | 2.3    | 80     | 1.0    | 293.1  | 22.4   | 21.3   |
| 11-MGB-105  | Soil                             | 723    | 1      | 7.5    | 2.6    | 8.3    | 8.5    | 10.5   | 53.3   | <1     | 88.4   | 0.7    | 7.6    | 2.8    | 109    | 0.7    | 323.7  | 21.0   | 20.9   |
| 11-MGB-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. |
| 11-MGB-106  | Soil                             | 499    | 1      | 9.4    | 3.1    | 9.2    | 6.0    | 10.0   | 59.5   | 1      | 90.9   | 0.6    | 7.3    | 2.4    | 103    | 1.0    | 222.5  | 20.8   | 21.7   |
| 11-MGB-107  | Soil                             | 586    | 1      | 7.8    | 2.4    | 7.7    | 8.1    | 8.9    | 46.8   | <1     | 82.2   | 0.7    | 6.1    | 2.5    | 86     | 0.7    | 334.6  | 21.7   | 19.0   |
| 11-AAB-0081 | Soil                             | 397    | 1      | 11.4   | 3.5    | 10.6   | 7.6    | 9.7    | 66.9   | 1      | 67.8   | 0.7    | 8.6    | 2.5    | 90     | 1.0    | 271.2  | 22.6   | 23.3   |



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Project: TING\_RG

Report Date: July 16, 2011

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## CERTIFICATE OF ANALYSIS

VAN11002655.1

|             | Method<br>Analyte<br>Unit<br>MDL | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 1DX    | 1DX    | 1DX    | 1DX    | 1DX    | 1DX    | 1DX    | 1DX    |
|-------------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|             |                                  | Nd     | Sm     | Eu     | Gd     | Tb     | Dy     | Ho     | Er     | Tm     | Yb     | Lu     | Mo     | Cu     | Pb     | Zn     | Ni     | As     | Cd     |
|             |                                  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
|             |                                  | 0.3    | 0.05   | 0.02   | 0.05   | 0.01   | 0.05   | 0.02   | 0.03   | 0.01   | 0.05   | 0.01   | 0.1    | 0.1    | 0.1    | 1      | 0.1    | 0.5    | 0.1    |
| 11-MGB-017  | Soil                             | 16.4   | 2.75   | 0.55   | 2.53   | 0.40   | 2.01   | 0.51   | 1.30   | 0.20   | 1.26   | 0.22   | 0.7    | 6.8    | 8.1    | 100    | 9.0    | 1.0    | 1.4    |
| 11-MGB-023  | Soil                             | 27.4   | 5.10   | 0.93   | 3.69   | 0.63   | 3.63   | 0.77   | 2.15   | 0.36   | 2.24   | 0.38   | 0.5    | 9.5    | 6.5    | 55     | 14.3   | 1.1    | 0.2    |
| 11-MGB-070  | Soil                             | 30.1   | 5.21   | 1.03   | 3.92   | 0.70   | 3.76   | 0.83   | 2.27   | 0.39   | 2.34   | 0.36   | 0.6    | 10.8   | 12.2   | 35     | 13.6   | 7.0    | 0.4    |
| 11-BCQ-0014 | Soil                             | 22.1   | 3.52   | 0.73   | 2.67   | 0.46   | 2.71   | 0.57   | 1.65   | 0.28   | 1.84   | 0.30   | 0.6    | 5.4    | 19.4   | 123    | 10.0   | 5.4    | 1.2    |
| 11-BCQ-0018 | Soil                             | 28.7   | 4.81   | 0.91   | 3.45   | 0.59   | 3.20   | 0.74   | 2.06   | 0.36   | 2.18   | 0.34   | 1.0    | 6.3    | 13.7   | 73     | 17.4   | 6.3    | 0.3    |
| 11-BCQ-0009 | Soil                             | 21.1   | 3.92   | 0.82   | 3.41   | 0.55   | 3.01   | 0.59   | 1.66   | 0.27   | 1.58   | 0.23   | 0.9    | 8.6    | 18.1   | 97     | 18.0   | 8.5    | 0.9    |
| 11-BCQ-0016 | Soil                             | 23.5   | 4.53   | 0.96   | 3.85   | 0.63   | 3.45   | 0.70   | 2.09   | 0.31   | 1.90   | 0.29   | 0.5    | 14.6   | 18.7   | 48     | 14.9   | 8.1    | 1.4    |
| 11-BCQ-0001 | Soil                             | 27.5   | 4.92   | 0.91   | 3.93   | 0.60   | 3.44   | 0.67   | 2.09   | 0.34   | 2.20   | 0.34   | 1.8    | 6.5    | 17.4   | 205    | 20.5   | 6.6    | 1.8    |
| 11-BCQ-0011 | Soil                             | 22.1   | 3.87   | 0.70   | 3.00   | 0.49   | 2.70   | 0.56   | 1.76   | 0.27   | 1.80   | 0.28   | 0.9    | 7.8    | 23.6   | 77     | 15.3   | 7.4    | 0.5    |
| 11-BCQ-0013 | Soil                             | 18.6   | 3.09   | 0.63   | 2.69   | 0.41   | 2.18   | 0.46   | 1.36   | 0.22   | 1.46   | 0.22   | 1.3    | 7.4    | 16.3   | 66     | 10.6   | 6.0    | 0.7    |
| 11-BCQ-0004 | Soil                             | 23.2   | 4.38   | 0.88   | 4.08   | 0.65   | 3.47   | 0.68   | 1.92   | 0.29   | 1.81   | 0.28   | 4.0    | 8.5    | 14.5   | 119    | 21.6   | 7.7    | 1.0    |
| 11-BCQ-0002 | Soil                             | 24.1   | 3.76   | 0.69   | 3.19   | 0.49   | 2.80   | 0.56   | 1.73   | 0.31   | 1.91   | 0.29   | 5.0    | 6.2    | 15.5   | 191    | 19.1   | 6.1    | 0.9    |
| 11-BCQ-0017 | Soil                             | 23.9   | 4.16   | 0.83   | 3.57   | 0.57   | 3.00   | 0.59   | 1.79   | 0.28   | 1.77   | 0.27   | 1.0    | 7.8    | 21.7   | 70     | 15.0   | 8.5    | 0.7    |
| 11-BCQ-0015 | Soil                             | 28.9   | 4.49   | 0.85   | 3.65   | 0.59   | 3.07   | 0.63   | 1.88   | 0.31   | 1.95   | 0.31   | 0.5    | 2.3    | 10.0   | 52     | 6.9    | 2.4    | 0.2    |
| 11-BCQ-0003 | Soil                             | 26.8   | 4.40   | 0.81   | 3.64   | 0.58   | 3.06   | 0.62   | 1.87   | 0.31   | 1.98   | 0.30   | 1.2    | 4.4    | 13.4   | 194    | 17.9   | 3.9    | 0.8    |
| 11-MGB-096  | Soil                             | 16.8   | 2.78   | 0.56   | 2.59   | 0.48   | 2.89   | 0.64   | 1.93   | 0.35   | 2.09   | 0.34   | 2.9    | 10.7   | 10.0   | 50     | 15.7   | 9.7    | 0.1    |
| 11-MGB-099  | Soil                             | 19.2   | 3.76   | 0.78   | 3.56   | 0.64   | 3.48   | 0.72   | 2.07   | 0.36   | 2.21   | 0.33   | 1.0    | 15.5   | 7.8    | 134    | 41.6   | 5.0    | 0.6    |
| 11-MGB-111  | Soil                             | 18.7   | 3.59   | 0.75   | 3.26   | 0.55   | 3.10   | 0.60   | 1.85   | 0.29   | 1.75   | 0.27   | 1.2    | 11.5   | 9.5    | 68     | 22.0   | 9.7    | 0.4    |
| 11-MGB-103  | Soil                             | 17.0   | 3.18   | 0.69   | 3.04   | 0.52   | 2.79   | 0.58   | 1.79   | 0.29   | 1.79   | 0.28   | 1.6    | 10.8   | 9.3    | 63     | 17.2   | 6.6    | 0.5    |
| 11-MGB-109  | Soil                             | 26.7   | 5.02   | 1.03   | 4.67   | 0.78   | 4.40   | 0.94   | 2.76   | 0.47   | 2.99   | 0.46   | 1.7    | 20.6   | 13.8   | 75     | 31.4   | 9.5    | 0.4    |
| 11-MGB-102  | Soil                             | 21.9   | 4.48   | 0.97   | 4.22   | 0.75   | 4.18   | 0.80   | 2.34   | 0.38   | 2.38   | 0.36   | 0.5    | 20.8   | 12.2   | 64     | 25.1   | 7.3    | 0.2    |
| 11-MGB-108  | Soil                             | 22.2   | 4.28   | 0.88   | 4.03   | 0.69   | 3.86   | 0.81   | 2.40   | 0.41   | 2.51   | 0.39   | 2.3    | 9.5    | 7.5    | 43     | 15.7   | 6.1    | 0.3    |
| 11-MGB-101  | Soil                             | 21.6   | 4.45   | 0.93   | 4.05   | 0.71   | 3.75   | 0.75   | 2.20   | 0.36   | 2.15   | 0.34   | 0.6    | 16.9   | 11.6   | 60     | 23.6   | 6.7    | 0.2    |
| 11-MGB-105  | Soil                             | 19.9   | 3.67   | 0.79   | 3.49   | 0.59   | 3.32   | 0.67   | 2.10   | 0.34   | 1.98   | 0.32   | 1.5    | 12.5   | 9.6    | 66     | 18.3   | 7.0    | 0.5    |
| 11-MGB-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. |
| 11-MGB-106  | Soil                             | 19.9   | 3.93   | 0.83   | 3.71   | 0.64   | 3.39   | 0.68   | 2.13   | 0.34   | 1.96   | 0.30   | 1.2    | 15.5   | 9.4    | 59     | 21.9   | 6.2    | 0.3    |
| 11-MGB-107  | Soil                             | 19.0   | 3.62   | 0.79   | 3.57   | 0.60   | 3.46   | 0.71   | 2.16   | 0.35   | 2.06   | 0.32   | 1.4    | 10.6   | 8.2    | 55     | 15.4   | 6.8    | 0.2    |
| 11-AAB-0081 | Soil                             | 21.7   | 4.40   | 0.89   | 3.91   | 0.69   | 3.77   | 0.81   | 2.34   | 0.38   | 2.23   | 0.33   | 0.7    | 14.9   | 12.9   | 59     | 26.3   | 7.1    | 0.2    |



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## CERTIFICATE OF ANALYSIS

VAN11002655.1

|             | Method<br>Analyte<br>Unit<br>MDL | 1DX    | 1DX    | 1DX    | 1DX    | 1DX    |
|-------------|----------------------------------|--------|--------|--------|--------|--------|
|             |                                  | Ag     | Au     | Hg     | Tl     | Se     |
|             |                                  | ppm    | ppb    | ppm    | ppm    | ppm    |
|             |                                  | 0.1    | 0.5    | 0.01   | 0.1    | 0.5    |
| 11-MGB-017  | Soil                             | 0.2    | 1.0    | 0.03   | 0.2    | 0.9    |
| 11-MGB-023  | Soil                             | <0.1   | 1.5    | 0.02   | <0.1   | <0.5   |
| 11-MGB-070  | Soil                             | <0.1   | <0.5   | 0.04   | 0.2    | 0.6    |
| 11-BCQ-0014 | Soil                             | <0.1   | 0.8    | 0.03   | 0.1    | 0.7    |
| 11-BCQ-0018 | Soil                             | <0.1   | <0.5   | 0.02   | 0.1    | 0.5    |
| 11-BCQ-0009 | Soil                             | <0.1   | 0.6    | 0.04   | 0.3    | <0.5   |
| 11-BCQ-0016 | Soil                             | <0.1   | 1.0    | 0.07   | 0.2    | 0.8    |
| 11-BCQ-0001 | Soil                             | <0.1   | <0.5   | 0.02   | 0.2    | <0.5   |
| 11-BCQ-0011 | Soil                             | <0.1   | 0.9    | 0.02   | 0.2    | <0.5   |
| 11-BCQ-0013 | Soil                             | <0.1   | 0.7    | 0.01   | 0.2    | <0.5   |
| 11-BCQ-0004 | Soil                             | 0.1    | 1.0    | 0.06   | 0.3    | 0.8    |
| 11-BCQ-0002 | Soil                             | <0.1   | <0.5   | <0.01  | 0.2    | 0.8    |
| 11-BCQ-0017 | Soil                             | <0.1   | 0.6    | 0.02   | 0.2    | <0.5   |
| 11-BCQ-0015 | Soil                             | <0.1   | <0.5   | 0.02   | 0.1    | <0.5   |
| 11-BCQ-0003 | Soil                             | <0.1   | <0.5   | 0.02   | 0.2    | 0.8    |
| 11-MGB-096  | Soil                             | <0.1   | 1.3    | 0.02   | 0.1    | 0.9    |
| 11-MGB-099  | Soil                             | 0.2    | 1.8    | 0.05   | <0.1   | 4.4    |
| 11-MGB-111  | Soil                             | 0.3    | 0.8    | 0.04   | <0.1   | 2.1    |
| 11-MGB-103  | Soil                             | <0.1   | 0.8    | 0.03   | 0.1    | 1.0    |
| 11-MGB-109  | Soil                             | 0.2    | 0.8    | 0.03   | 0.2    | 1.9    |
| 11-MGB-102  | Soil                             | <0.1   | 1.2    | 0.01   | <0.1   | 0.6    |
| 11-MGB-108  | Soil                             | <0.1   | 0.8    | 0.03   | 0.1    | 1.1    |
| 11-MGB-101  | Soil                             | <0.1   | 1.3    | 0.02   | <0.1   | 0.8    |
| 11-MGB-105  | Soil                             | 0.1    | 1.1    | 0.03   | 0.1    | 1.0    |
| 11-MGB-100  | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11-MGB-106  | Soil                             | 0.1    | 1.6    | 0.03   | 0.1    | 0.9    |
| 11-MGB-107  | Soil                             | <0.1   | 1.6    | 0.03   | <0.1   | 0.5    |
| 11-AAB-0081 | Soil                             | <0.1   | 1.1    | 0.01   | 0.1    | 0.8    |



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Project: TING\_RG

Report Date: July 16, 2011

Page: 1 of 3 Part 1

## QUALITY CONTROL REPORT

VAN11002655.1

| Method<br>Analyte<br>Unit<br>MDL |          | 4B  | 4B  | 4B   | 4B   | 4B   | 4B   | 4B   | 4B    | 4B  | 4B    | 4B  | 4B   | 4B  | 4B  | 4B   | 4B    | 4B   | 4B   | 4B   |
|----------------------------------|----------|-----|-----|------|------|------|------|------|-------|-----|-------|-----|------|-----|-----|------|-------|------|------|------|
|                                  |          | Ba  | Be  | Co   | Cs   | Ga   | Hf   | Nb   | Rb    | Sn  | Sr    | Ta  | Th   | U   | V   | W    | Zr    | Y    | La   | Ce   |
|                                  |          | ppm | ppm | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm | ppm   | ppm | ppm  | ppm | ppm | ppm  | ppm   | ppm  | ppm  | ppm  |
|                                  |          | 1   | 1   | 0.2  | 0.1  | 0.5  | 0.1  | 0.1  | 0.1   | 1   | 0.5   | 0.1 | 0.2  | 0.1 | 8   | 0.5  | 0.1   | 0.1  | 0.1  | 0.1  |
| Pulp Duplicates                  |          |     |     |      |      |      |      |      |       |     |       |     |      |     |     |      |       |      |      |      |
| 11-AAB-0067                      | Soil     | 688 | 1   | 6.5  | 15.0 | 19.1 | 7.0  | 15.5 | 147.5 | 2   | 116.2 | 1.2 | 8.9  | 2.9 | 107 | 13.2 | 263.5 | 14.2 | 31.0 | 57.2 |
| REP 11-AAB-0067                  | QC       | 707 | 1   | 6.5  | 15.3 | 19.6 | 7.1  | 16.9 | 150.2 | 3   | 120.3 | 1.3 | 9.2  | 2.9 | 117 | 11.1 | 271.3 | 15.0 | 32.0 | 59.4 |
| 11-BCQ-0048                      | Soil     | 564 | <1  | 1.3  | 3.5  | 12.3 | 7.9  | 21.7 | 69.2  | 2   | 128.1 | 1.6 | 8.6  | 2.6 | 56  | 1.5  | 314.2 | 14.7 | 26.1 | 55.1 |
| REP 11-BCQ-0048                  | QC       |     |     |      |      |      |      |      |       |     |       |     |      |     |     |      |       |      |      |      |
| 11-BCQ-0071                      | Soil     | 580 | 2   | 3.7  | 2.8  | 12.4 | 9.8  | 21.8 | 64.7  | 2   | 128.5 | 1.6 | 9.7  | 2.8 | 82  | 1.6  | 358.7 | 19.8 | 32.3 | 64.6 |
| REP 11-BCQ-0071                  | QC       | 554 | <1  | 3.8  | 2.7  | 12.3 | 9.4  | 23.5 | 62.6  | 2   | 118.8 | 1.7 | 9.3  | 2.5 | 77  | 1.6  | 328.1 | 18.6 | 29.0 | 59.7 |
| 11-BCQ-0074                      | Soil     | 357 | <1  | 6.4  | 4.8  | 8.4  | 10.2 | 24.3 | 61.7  | 2   | 37.5  | 1.7 | 9.0  | 2.9 | 63  | 1.6  | 373.1 | 26.2 | 26.0 | 53.1 |
| REP 11-BCQ-0074                  | QC       | 352 | <1  | 6.4  | 4.7  | 8.2  | 9.5  | 24.7 | 60.9  | 2   | 37.8  | 1.6 | 9.8  | 3.1 | 63  | 1.7  | 361.1 | 32.5 | 27.3 | 55.9 |
| 11-BSW-028                       | Soil     | 668 | 2   | 11.0 | 6.2  | 14.2 | 7.5  | 19.9 | 68.6  | 3   | 99.8  | 1.4 | 11.0 | 2.9 | 124 | 1.4  | 259.4 | 24.3 | 34.0 | 71.0 |
| REP 11-BSW-028                   | QC       |     |     |      |      |      |      |      |       |     |       |     |      |     |     |      |       |      |      |      |
| 11-BSW-065                       | Soil     | 349 | <1  | 2.1  | 1.9  | 9.1  | 11.3 | 16.5 | 37.3  | 1   | 58.1  | 1.1 | 7.4  | 2.8 | 89  | 1.3  | 410.6 | 16.7 | 26.5 | 54.9 |
| REP 11-BSW-065                   | QC       |     |     |      |      |      |      |      |       |     |       |     |      |     |     |      |       |      |      |      |
| 11-MGB-075                       | Soil     | 194 | 1   | 8.7  | 1.4  | 7.2  | 7.5  | 8.4  | 28.6  | 1   | 25.7  | 0.6 | 5.3  | 1.8 | 81  | 0.7  | 290.6 | 11.2 | 16.8 | 34.7 |
| REP 11-MGB-075                   | QC       | 205 | 2   | 6.6  | 1.3  | 6.9  | 8.0  | 8.0  | 29.2  | <1  | 25.6  | 0.6 | 5.8  | 1.8 | 81  | 0.7  | 320.8 | 10.9 | 18.3 | 36.5 |
| 11-BCQ-0108                      | Soil     | 524 | 2   | 3.8  | 4.0  | 5.5  | 5.3  | 8.3  | 39.6  | <1  | 117.7 | 0.4 | 6.1  | 1.9 | 56  | 0.6  | 191.0 | 13.3 | 20.5 | 43.3 |
| REP 11-BCQ-0108                  | QC       |     |     |      |      |      |      |      |       |     |       |     |      |     |     |      |       |      |      |      |
| 11-AAB-0086                      | Soil     | 443 | 3   | 9.6  | 3.3  | 10.6 | 10.2 | 9.3  | 50.6  | 2   | 87.2  | 0.7 | 9.6  | 3.3 | 104 | 1.1  | 411.3 | 29.1 | 27.9 | 50.6 |
| REP 11-AAB-0086                  | QC       | 445 | <1  | 8.5  | 3.0  | 10.7 | 11.3 | 9.5  | 49.4  | 2   | 85.1  | 0.7 | 8.3  | 3.0 | 104 | 1.4  | 453.1 | 26.7 | 26.2 | 49.0 |
| 11-MGB-102                       | Soil     | 517 | 1   | 11.2 | 2.9  | 9.6  | 9.5  | 11.7 | 58.1  | 1   | 68.2  | 0.8 | 8.8  | 2.2 | 80  | 0.9  | 374.1 | 24.3 | 21.3 | 47.2 |
| REP 11-MGB-102                   | QC       | 534 | 1   | 11.1 | 2.8  | 9.3  | 10.2 | 10.9 | 58.5  | 1   | 69.6  | 0.7 | 8.3  | 2.4 | 95  | 1.3  | 388.1 | 25.3 | 23.0 | 45.5 |
| 11-MGB-108                       | Soil     | 430 | <1  | 8.1  | 2.0  | 7.0  | 14.8 | 8.9  | 45.2  | 1   | 79.3  | 0.7 | 7.8  | 3.0 | 68  | 0.8  | 607.4 | 25.1 | 21.8 | 44.4 |
| REP 11-MGB-108                   | QC       |     |     |      |      |      |      |      |       |     |       |     |      |     |     |      |       |      |      |      |
| Reference Materials              |          |     |     |      |      |      |      |      |       |     |       |     |      |     |     |      |       |      |      |      |
| STD DS8                          | Standard |     |     |      |      |      |      |      |       |     |       |     |      |     |     |      |       |      |      |      |
| STD DS8                          | Standard |     |     |      |      |      |      |      |       |     |       |     |      |     |     |      |       |      |      |      |
| STD DS8                          | Standard |     |     |      |      |      |      |      |       |     |       |     |      |     |     |      |       |      |      |      |
| STD DS8                          | Standard |     |     |      |      |      |      |      |       |     |       |     |      |     |     |      |       |      |      |      |
| STD DS8                          | Standard |     |     |      |      |      |      |      |       |     |       |     |      |     |     |      |       |      |      |      |



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Page: 1 of 3 Part 2

## QUALITY CONTROL REPORT

VAN11002655.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 1DX  | 1DX  | 1DX   | 1DX   | 1DX | 1DX  | 1DX  | 1DX  | 1DX  |
|---------------------|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-----|------|------|------|------|
|                     |                                  | Nd   | Sm   | Eu   | Gd   | Tb   | Dy   | Ho   | Er   | Tm   | Yb   | Lu   | Mo   | Cu    | Pb    | Zn  | Ni   | As   | Cd   | Sb   |
|                     |                                  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm   | ppm | ppm  | ppm  | ppm  | ppm  |
|                     |                                  | 0.3  | 0.05 | 0.02 | 0.05 | 0.01 | 0.05 | 0.02 | 0.03 | 0.01 | 0.05 | 0.01 | 0.1  | 0.1   | 0.1   | 1   | 0.1  | 0.5  | 0.1  | 0.1  |
| Pulp Duplicates     |                                  |      |      |      |      |      |      |      |      |      |      |      |      |       |       |     |      |      |      |      |
| 11-AAB-0067         | Soil                             | 23.4 | 3.93 | 0.79 | 3.12 | 0.49 | 2.72 | 0.57 | 1.63 | 0.26 | 1.73 | 0.27 | 7.5  | 12.8  | 76.1  | 108 | 9.3  | 9.0  | 0.1  | <0.1 |
| REP 11-AAB-0067     | QC                               | 24.3 | 4.25 | 0.84 | 3.34 | 0.52 | 2.80 | 0.59 | 1.66 | 0.28 | 1.81 | 0.28 |      |       |       |     |      |      |      |      |
| 11-BCQ-0048         | Soil                             | 20.6 | 3.73 | 0.68 | 3.05 | 0.49 | 2.81 | 0.60 | 1.79 | 0.28 | 1.80 | 0.29 | 0.3  | 3.1   | 11.8  | 24  | 2.3  | <0.5 | <0.1 | <0.1 |
| REP 11-BCQ-0048     | QC                               |      |      |      |      |      |      |      |      |      |      |      | 0.2  | 3.5   | 12.6  | 26  | 2.7  | <0.5 | 0.1  | <0.1 |
| 11-BCQ-0071         | Soil                             | 27.2 | 4.63 | 0.84 | 3.89 | 0.62 | 3.80 | 0.78 | 2.28 | 0.34 | 2.26 | 0.33 | 0.7  | 5.2   | 9.1   | 35  | 6.1  | 3.4  | 0.1  | <0.1 |
| REP 11-BCQ-0071     | QC                               | 24.0 | 4.33 | 0.78 | 3.65 | 0.59 | 3.40 | 0.72 | 2.16 | 0.33 | 2.03 | 0.31 |      |       |       |     |      |      |      |      |
| 11-BCQ-0074         | Soil                             | 23.2 | 4.77 | 0.92 | 4.77 | 0.81 | 4.54 | 0.95 | 2.87 | 0.46 | 2.73 | 0.43 | 0.4  | 17.7  | 6.8   | 39  | 10.6 | 3.6  | 0.4  | <0.1 |
| REP 11-BCQ-0074     | QC                               | 24.9 | 5.40 | 1.13 | 6.78 | 1.08 | 5.88 | 1.19 | 3.49 | 0.51 | 3.05 | 0.46 |      |       |       |     |      |      |      |      |
| 11-BSW-028          | Soil                             | 31.1 | 5.77 | 1.21 | 5.11 | 0.82 | 4.61 | 0.88 | 2.63 | 0.39 | 2.53 | 0.39 | 0.9  | 29.6  | 10.9  | 64  | 23.1 | 4.4  | 0.1  | <0.1 |
| REP 11-BSW-028      | QC                               |      |      |      |      |      |      |      |      |      |      |      | 0.6  | 28.9  | 10.6  | 66  | 21.4 | 4.2  | 0.1  | <0.1 |
| 11-BSW-065          | Soil                             | 21.7 | 3.51 | 0.65 | 2.93 | 0.48 | 2.85 | 0.63 | 1.85 | 0.31 | 1.97 | 0.32 | 1.9  | 4.1   | 12.0  | 24  | 5.1  | 7.3  | 0.2  | 0.3  |
| REP 11-BSW-065      | QC                               |      |      |      |      |      |      |      |      |      |      |      | 1.8  | 3.9   | 11.4  | 23  | 5.2  | 7.1  | 0.2  | 0.3  |
| 11-MGB-075          | Soil                             | 15.0 | 2.33 | 0.49 | 1.81 | 0.31 | 1.95 | 0.41 | 1.17 | 0.20 | 1.28 | 0.20 | 1.1  | 9.4   | 6.4   | 26  | 13.0 | 3.9  | <0.1 | <0.1 |
| REP 11-MGB-075      | QC                               | 14.3 | 2.32 | 0.49 | 1.88 | 0.32 | 1.93 | 0.37 | 1.12 | 0.19 | 1.20 | 0.20 |      |       |       |     |      |      |      |      |
| 11-BCQ-0108         | Soil                             | 19.2 | 3.22 | 0.69 | 2.89 | 0.43 | 2.65 | 0.47 | 1.39 | 0.22 | 1.41 | 0.22 | 0.6  | 7.7   | 12.2  | 98  | 11.5 | 7.4  | 0.6  | 0.5  |
| REP 11-BCQ-0108     | QC                               |      |      |      |      |      |      |      |      |      |      |      | 0.5  | 7.1   | 11.9  | 93  | 11.2 | 7.1  | 0.5  | 0.4  |
| 11-AAB-0086         | Soil                             | 22.6 | 4.54 | 0.99 | 4.28 | 0.77 | 4.77 | 1.00 | 2.72 | 0.43 | 2.68 | 0.45 | 1.6  | 13.5  | 12.6  | 76  | 27.0 | 10.5 | 0.4  | <0.1 |
| REP 11-AAB-0086     | QC                               | 23.3 | 4.59 | 1.01 | 3.96 | 0.70 | 4.01 | 0.88 | 2.53 | 0.41 | 2.53 | 0.43 |      |       |       |     |      |      |      |      |
| 11-MGB-102          | Soil                             | 21.9 | 4.48 | 0.97 | 4.22 | 0.75 | 4.18 | 0.80 | 2.34 | 0.38 | 2.38 | 0.36 | 0.5  | 20.8  | 12.2  | 64  | 25.1 | 7.3  | 0.2  | <0.1 |
| REP 11-MGB-102      | QC                               | 21.2 | 4.41 | 0.94 | 4.23 | 0.75 | 4.17 | 0.82 | 2.48 | 0.40 | 2.40 | 0.37 |      |       |       |     |      |      |      |      |
| 11-MGB-108          | Soil                             | 22.2 | 4.28 | 0.88 | 4.03 | 0.69 | 3.86 | 0.81 | 2.40 | 0.41 | 2.51 | 0.39 | 2.3  | 9.5   | 7.5   | 43  | 15.7 | 6.1  | 0.3  | <0.1 |
| REP 11-MGB-108      | QC                               |      |      |      |      |      |      |      |      |      |      |      | 2.1  | 9.8   | 7.5   | 47  | 16.6 | 6.5  | 0.3  | <0.1 |
| Reference Materials |                                  |      |      |      |      |      |      |      |      |      |      |      |      |       |       |     |      |      |      |      |
| STD DS8             | Standard                         |      |      |      |      |      |      |      |      |      |      |      | 13.5 | 111.2 | 122.3 | 305 | 35.9 | 26.8 | 2.4  | 3.0  |
| STD DS8             | Standard                         |      |      |      |      |      |      |      |      |      |      |      | 15.5 | 111.0 | 123.1 | 320 | 37.6 | 27.6 | 2.2  | 3.7  |
| STD DS8             | Standard                         |      |      |      |      |      |      |      |      |      |      |      | 13.7 | 109.3 | 129.3 | 321 | 37.1 | 27.1 | 2.4  | 3.6  |
| STD DS8             | Standard                         |      |      |      |      |      |      |      |      |      |      |      | 13.7 | 104.5 | 114.1 | 299 | 36.3 | 24.8 | 2.3  | 2.6  |
| STD DS8             | Standard                         |      |      |      |      |      |      |      |      |      |      |      | 13.0 | 102.5 | 124.5 | 303 | 35.5 | 26.6 | 2.3  | 3.6  |



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**Page:** 1 of 3 **Part** 3

## QUALITY CONTROL REPORT

VAN11002655.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1DX  | 1DX   | 1DX   | 1DX  | 1DX  |
|---------------------|----------------------------------|------|-------|-------|------|------|
|                     |                                  | Ag   | Au    | Hg    | Tl   | Se   |
|                     |                                  | ppm  | ppb   | ppm   | ppm  | ppm  |
|                     |                                  | 0.1  | 0.5   | 0.01  | 0.1  | 0.5  |
| Pulp Duplicates     |                                  |      |       |       |      |      |
| 11-AAB-0067         | Soil                             | 0.1  | 0.8   | 0.01  | 0.4  | <0.5 |
| REP 11-AAB-0067     | QC                               |      |       |       |      |      |
| 11-BCQ-0048         | Soil                             | 0.3  | 0.7   | 0.04  | <0.1 | <0.5 |
| REP 11-BCQ-0048     | QC                               | 0.4  | 1.0   | 0.05  | <0.1 | <0.5 |
| 11-BCQ-0071         | Soil                             | <0.1 | 2.7   | 0.01  | 0.1  | <0.5 |
| REP 11-BCQ-0071     | QC                               |      |       |       |      |      |
| 11-BCQ-0074         | Soil                             | 0.1  | <0.5  | 0.04  | <0.1 | 1.0  |
| REP 11-BCQ-0074     | QC                               |      |       |       |      |      |
| 11-BSW-028          | Soil                             | <0.1 | 1.2   | 0.02  | 0.1  | <0.5 |
| REP 11-BSW-028      | QC                               | <0.1 | 2.1   | 0.02  | 0.1  | <0.5 |
| 11-BSW-065          | Soil                             | <0.1 | 4.4   | 0.01  | <0.1 | <0.5 |
| REP 11-BSW-065      | QC                               | <0.1 | 2.0   | <0.01 | <0.1 | <0.5 |
| 11-MGB-075          | Soil                             | <0.1 | 3.4   | 0.06  | <0.1 | <0.5 |
| REP 11-MGB-075      | QC                               |      |       |       |      |      |
| 11-BCQ-0108         | Soil                             | <0.1 | <0.5  | 0.05  | 0.2  | <0.5 |
| REP 11-BCQ-0108     | QC                               | <0.1 | <0.5  | 0.04  | 0.2  | <0.5 |
| 11-AAB-0086         | Soil                             | 0.2  | <0.5  | 0.03  | <0.1 | 1.8  |
| REP 11-AAB-0086     | QC                               |      |       |       |      |      |
| 11-MGB-102          | Soil                             | <0.1 | 1.2   | 0.01  | <0.1 | 0.6  |
| REP 11-MGB-102      | QC                               |      |       |       |      |      |
| 11-MGB-108          | Soil                             | <0.1 | 0.8   | 0.03  | 0.1  | 1.1  |
| REP 11-MGB-108      | QC                               | <0.1 | 1.5   | 0.03  | 0.1  | 0.8  |
| Reference Materials |                                  |      |       |       |      |      |
| STD DS8             | Standard                         | 2.3  | 105.6 | 0.19  | 5.1  | 5.6  |
| STD DS8             | Standard                         | 1.7  | 117.5 | 0.19  | 5.4  | 5.5  |
| STD DS8             | Standard                         | 1.7  | 103.4 | 0.21  | 5.4  | 4.9  |
| STD DS8             | Standard                         | 1.7  | 154.7 | 0.18  | 5.2  | 4.4  |
| STD DS8             | Standard                         | 1.7  | 169.8 | 0.19  | 5.5  | 5.0  |



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Project: TING\_RG

Report Date: July 16, 2011

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## QUALITY CONTROL REPORT

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|                        |          | 4B<br>Ba<br>ppm<br>1 | 4B<br>Be<br>ppm<br>1 | 4B<br>Co<br>ppm<br>0.2 | 4B<br>Cs<br>ppm<br>0.1 | 4B<br>Ga<br>ppm<br>0.5 | 4B<br>Hf<br>ppm<br>0.1 | 4B<br>Nb<br>ppm<br>0.1 | 4B<br>Rb<br>ppm<br>0.1 | 4B<br>Sn<br>ppm<br>1 | 4B<br>Sr<br>ppm<br>0.5 | 4B<br>Ta<br>ppm<br>0.1 | 4B<br>Th<br>ppm<br>0.2 | 4B<br>U<br>ppm<br>0.1 | 4B<br>V<br>ppm<br>8 | 4B<br>W<br>ppm<br>0.5 | 4B<br>Zr<br>ppm<br>0.1 | 4B<br>Y<br>ppm<br>0.1 | 4B<br>La<br>ppm<br>0.1 | 4B<br>Ce<br>ppm<br>0.1 | 4B<br>Pr<br>ppm<br>0.02 |
|------------------------|----------|----------------------|----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|----------------------|------------------------|------------------------|------------------------|-----------------------|---------------------|-----------------------|------------------------|-----------------------|------------------------|------------------------|-------------------------|
| STD DS8                | Standard |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD OREAS45CA          | Standard |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD OREAS45CA          | Standard |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD OREAS45CA          | Standard |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD OREAS45CA          | Standard |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD OREAS45CA          | Standard |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD OREAS45CA          | Standard |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD SO-18              | Standard | 522                  | <1                   | 27.5                   | 7.0                    | 18.1                   | 8.7                    | 20.1                   | 28.0                   | 15                   | 407.0                  | 7.0                    | 9.2                    | 15.8                  | 203                 | 14.0                  | 283.9                  | 30.2                  | 11.8                   | 26.4                   | 3.26                    |
| STD SO-18              | Standard | 517                  | 1                    | 27.2                   | 6.7                    | 17.2                   | 9.3                    | 20.5                   | 27.5                   | 15                   | 405.7                  | 7.3                    | 9.8                    | 15.8                  | 199                 | 14.8                  | 282.4                  | 30.4                  | 11.9                   | 26.7                   | 3.27                    |
| STD SO-18              | Standard | 517                  | <1                   | 26.6                   | 6.9                    | 17.6                   | 9.5                    | 20.8                   | 27.8                   | 16                   | 408.7                  | 7.5                    | 10.7                   | 16.8                  | 205                 | 13.8                  | 285.4                  | 29.2                  | 11.9                   | 26.9                   | 3.22                    |
| STD SO-18              | Standard | 510                  | <1                   | 26.7                   | 6.6                    | 17.4                   | 9.1                    | 20.2                   | 27.4                   | 15                   | 404.0                  | 7.4                    | 10.4                   | 16.1                  | 200                 | 13.5                  | 280.5                  | 29.3                  | 11.7                   | 26.8                   | 3.25                    |
| STD SO-18              | Standard | 521                  | 1                    | 26.7                   | 7.0                    | 17.5                   | 9.2                    | 20.3                   | 27.5                   | 15                   | 416.4                  | 7.2                    | 10.3                   | 15.7                  | 194                 | 13.5                  | 282.6                  | 29.7                  | 11.7                   | 26.5                   | 3.20                    |
| STD SO-18              | Standard | 502                  | <1                   | 25.7                   | 6.7                    | 16.6                   | 9.1                    | 19.6                   | 26.4                   | 14                   | 391.7                  | 6.9                    | 10.4                   | 15.6                  | 187                 | 12.8                  | 272.6                  | 26.4                  | 11.5                   | 25.5                   | 3.16                    |
| STD SO-18              | Standard | 525                  | 1                    | 28.0                   | 7.0                    | 18.0                   | 9.4                    | 20.8                   | 28.5                   | 15                   | 413.9                  | 6.9                    | 9.5                    | 15.5                  | 215                 | 12.4                  | 301.1                  | 30.5                  | 11.5                   | 26.9                   | 3.17                    |
| STD SO-18              | Standard | 514                  | 1                    | 27.3                   | 6.8                    | 17.2                   | 9.5                    | 20.6                   | 27.8                   | 15                   | 406.1                  | 7.4                    | 10.5                   | 15.9                  | 210                 | 13.5                  | 292.3                  | 29.9                  | 11.2                   | 25.8                   | 3.11                    |
| STD SO-18              | Standard | 497                  | <1                   | 25.1                   | 6.8                    | 17.0                   | 9.3                    | 19.6                   | 26.8                   | 14                   | 385.2                  | 7.2                    | 9.7                    | 15.5                  | 191                 | 15.0                  | 291.1                  | 33.6                  | 11.2                   | 25.9                   | 3.10                    |
| STD SO-18              | Standard | 501                  | <1                   | 25.5                   | 6.9                    | 17.7                   | 9.7                    | 20.1                   | 27.2                   | 14                   | 392.5                  | 7.4                    | 10.1                   | 16.1                  | 192                 | 15.1                  | 295.0                  | 33.8                  | 11.3                   | 26.2                   | 3.12                    |
| STD SO-18              | Standard | 541                  | 2                    | 26.2                   | 7.5                    | 17.4                   | 10.2                   | 20.8                   | 27.8                   | 15                   | 421.2                  | 7.3                    | 10.5                   | 16.5                  | 202                 | 15.2                  | 297.5                  | 31.8                  | 12.6                   | 27.0                   | 3.41                    |
| STD SO-18              | Standard | 540                  | 2                    | 27.2                   | 7.2                    | 18.3                   | 9.8                    | 21.2                   | 27.8                   | 15                   | 415.8                  | 7.2                    | 10.9                   | 16.6                  | 190                 | 14.6                  | 300.7                  | 31.8                  | 12.6                   | 27.4                   | 3.40                    |
| STD SO-18              | Standard | 507                  | 1                    | 26.2                   | 6.7                    | 17.6                   | 9.4                    | 19.7                   | 27.4                   | 14                   | 400.4                  | 7.1                    | 9.7                    | 15.1                  | 206                 | 13.7                  | 285.0                  | 29.5                  | 11.5                   | 26.5                   | 3.24                    |
| STD SO-18              | Standard | 501                  | 1                    | 25.9                   | 6.7                    | 17.3                   | 9.3                    | 19.6                   | 27.2                   | 15                   | 394.1                  | 6.9                    | 9.1                    | 14.6                  | 203                 | 13.4                  | 282.5                  | 29.4                  | 11.3                   | 25.9                   | 3.20                    |
| STD DS8 Expected       |          |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD OREAS45CA Expected |          |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD SO-18 Expected     |          | 514                  | 1                    | 26.2                   | 7.1                    | 17.6                   | 9.8                    | 21.3                   | 28.7                   | 15                   | 407.4                  | 7.4                    | 9.9                    | 16.4                  | 200                 | 14.8                  | 280                    | 31                    | 12.3                   | 27.1                   | 3.45                    |
| BLK                    | Blank    |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| BLK                    | Blank    |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| BLK                    | Blank    |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| BLK                    | Blank    | <1                   | <1                   | <0.2                   | <0.1                   | <0.5                   | <0.1                   | <0.1                   | <0.1                   | <1                   | <0.5                   | <0.1                   | <0.2                   | <0.1                  | <8                  | <0.5                  | <0.1                   | <0.1                  | <0.1                   | <0.1                   | <0.02                   |
| BLK                    | Blank    |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |



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## QUALITY CONTROL REPORT

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|                        |          | 4B   | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 1DX   | 1DX   | 1DX   | 1DX   | 1DX | 1DX   | 1DX  | 1DX  |
|------------------------|----------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-------|------|------|
|                        |          | Nd   | Sm    | Eu    | Gd    | Tb    | Dy    | Ho    | Er    | Tm    | Yb    | Lu    | Mo    | Cu    | Pb    | Zn  | Ni    | As   | Cd   |
|                        |          | ppm  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm | ppm   | ppm  | ppm  |
|                        |          | 0.3  | 0.05  | 0.02  | 0.05  | 0.01  | 0.05  | 0.02  | 0.03  | 0.01  | 0.05  | 0.01  | 0.1   | 0.1   | 0.1   | 1   | 0.1   | 0.5  | 0.1  |
| STD DS8                | Standard |      |       |       |       |       |       |       |       |       |       |       | 14.6  | 109.1 | 131.3 | 317 | 36.5  | 27.7 | 2.3  |
| STD OREAS45CA          | Standard |      |       |       |       |       |       |       |       |       |       |       | 0.6   | 474.5 | 19.4  | 64  | 241.9 | 4.3  | <0.1 |
| STD OREAS45CA          | Standard |      |       |       |       |       |       |       |       |       |       |       | 0.6   | 475.8 | 22.3  | 63  | 241.2 | 4.8  | <0.1 |
| STD OREAS45CA          | Standard |      |       |       |       |       |       |       |       |       |       |       | 0.7   | 467.5 | 23.0  | 63  | 236.7 | 4.5  | <0.1 |
| STD OREAS45CA          | Standard |      |       |       |       |       |       |       |       |       |       |       | 0.6   | 466.8 | 20.4  | 63  | 232.5 | 3.6  | <0.1 |
| STD OREAS45CA          | Standard |      |       |       |       |       |       |       |       |       |       |       | 0.6   | 414.6 | 18.9  | 57  | 202.1 | 2.7  | <0.1 |
| STD OREAS45CA          | Standard |      |       |       |       |       |       |       |       |       |       |       | 0.7   | 495.1 | 23.9  | 64  | 252.5 | 4.2  | <0.1 |
| STD SO-18              | Standard | 14.0 | 2.93  | 0.86  | 2.90  | 0.48  | 2.94  | 0.61  | 1.84  | 0.27  | 1.73  | 0.27  |       |       |       |     |       |      |      |
| STD SO-18              | Standard | 13.4 | 2.82  | 0.84  | 2.84  | 0.48  | 2.80  | 0.58  | 1.80  | 0.27  | 1.67  | 0.26  |       |       |       |     |       |      |      |
| STD SO-18              | Standard | 13.2 | 2.85  | 0.88  | 2.95  | 0.49  | 2.97  | 0.61  | 1.81  | 0.28  | 1.79  | 0.27  |       |       |       |     |       |      |      |
| STD SO-18              | Standard | 13.7 | 2.85  | 0.86  | 2.87  | 0.48  | 2.91  | 0.62  | 1.75  | 0.28  | 1.73  | 0.27  |       |       |       |     |       |      |      |
| STD SO-18              | Standard | 13.4 | 2.82  | 0.85  | 2.93  | 0.49  | 2.98  | 0.59  | 1.74  | 0.27  | 1.70  | 0.26  |       |       |       |     |       |      |      |
| STD SO-18              | Standard | 12.8 | 2.72  | 0.84  | 2.88  | 0.47  | 2.89  | 0.59  | 1.69  | 0.26  | 1.69  | 0.26  |       |       |       |     |       |      |      |
| STD SO-18              | Standard | 13.2 | 2.74  | 0.81  | 2.76  | 0.50  | 2.73  | 0.56  | 1.68  | 0.27  | 1.61  | 0.25  |       |       |       |     |       |      |      |
| STD SO-18              | Standard | 12.6 | 2.73  | 0.82  | 2.80  | 0.50  | 2.72  | 0.57  | 1.67  | 0.27  | 1.68  | 0.25  |       |       |       |     |       |      |      |
| STD SO-18              | Standard | 12.7 | 2.75  | 0.83  | 2.78  | 0.51  | 2.79  | 0.60  | 1.72  | 0.29  | 1.71  | 0.26  |       |       |       |     |       |      |      |
| STD SO-18              | Standard | 13.0 | 2.83  | 0.83  | 2.82  | 0.53  | 2.87  | 0.59  | 1.73  | 0.27  | 1.71  | 0.26  |       |       |       |     |       |      |      |
| STD SO-18              | Standard | 14.7 | 2.99  | 0.91  | 2.88  | 0.51  | 3.00  | 0.66  | 1.84  | 0.28  | 1.78  | 0.28  |       |       |       |     |       |      |      |
| STD SO-18              | Standard | 14.1 | 2.91  | 0.90  | 2.85  | 0.51  | 2.96  | 0.63  | 1.86  | 0.27  | 1.72  | 0.28  |       |       |       |     |       |      |      |
| STD SO-18              | Standard | 13.5 | 2.85  | 0.87  | 2.86  | 0.49  | 2.90  | 0.61  | 1.82  | 0.28  | 1.76  | 0.27  |       |       |       |     |       |      |      |
| STD SO-18              | Standard | 13.0 | 2.83  | 0.86  | 2.80  | 0.48  | 2.88  | 0.60  | 1.74  | 0.27  | 1.71  | 0.26  |       |       |       |     |       |      |      |
| STD DS8 Expected       |          |      |       |       |       |       |       |       |       |       |       |       | 13.44 | 110   | 123   | 312 | 38.1  | 26   | 2.38 |
| STD OREAS45CA Expected |          |      |       |       |       |       |       |       |       |       |       |       | 1     | 494   | 20    | 60  | 240   | 3.8  | 0.1  |
| STD SO-18 Expected     |          | 14   | 3     | 0.89  | 2.93  | 0.53  | 3     | 0.62  | 1.84  | 0.27  | 1.79  | 0.27  |       |       |       |     |       |      |      |
| BLK                    | Blank    |      |       |       |       |       |       |       |       |       |       |       | <0.1  | <0.1  | <0.1  | <1  | <0.1  | <0.5 | <0.1 |
| BLK                    | Blank    |      |       |       |       |       |       |       |       |       |       |       | <0.1  | <0.1  | <0.1  | <1  | <0.1  | <0.5 | <0.1 |
| BLK                    | Blank    |      |       |       |       |       |       |       |       |       |       |       | <0.1  | <0.1  | <0.1  | <1  | <0.1  | <0.5 | <0.1 |
| BLK                    | Blank    | <0.3 | <0.05 | <0.02 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 |       |       |       |     |       |      |      |
| BLK                    | Blank    |      |       |       |       |       |       |       |       |       |       |       | <0.1  | <0.1  | <0.1  | <1  | <0.1  | <0.5 | <0.1 |



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**Report Date:** July 16, 2011

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## QUALITY CONTROL REPORT

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|                        |          | 1DX<br>Ag<br>ppm<br>0.1 | 1DX<br>Au<br>ppb<br>0.5 | 1DX<br>Hg<br>ppm<br>0.01 | 1DX<br>Tl<br>ppm<br>0.1 | 1DX<br>Se<br>ppm<br>0.5 |
|------------------------|----------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|
| STD DS8                | Standard | 1.8                     | 137.0                   | 0.19                     | 5.3                     | 5.4                     |
| STD OREAS45CA          | Standard | 0.3                     | 44.6                    | 0.03                     | <0.1                    | 1.1                     |
| STD OREAS45CA          | Standard | 0.3                     | 46.0                    | 0.03                     | <0.1                    | 0.9                     |
| STD OREAS45CA          | Standard | 0.3                     | 47.3                    | 0.04                     | 0.1                     | 0.6                     |
| STD OREAS45CA          | Standard | 0.3                     | 52.4                    | 0.04                     | <0.1                    | <0.5                    |
| STD OREAS45CA          | Standard | 0.3                     | 37.9                    | 0.02                     | <0.1                    | <0.5                    |
| STD OREAS45CA          | Standard | 0.3                     | 46.1                    | 0.03                     | <0.1                    | 0.7                     |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD DS8 Expected       |          | 1.69                    | 107                     | 0.192                    | 5.4                     | 5.23                    |
| STD OREAS45CA Expected |          | 0.275                   | 43                      | 0.03                     | 0.07                    | 0.5                     |
| STD SO-18 Expected     |          |                         |                         |                          |                         |                         |
| BLK                    | Blank    | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| BLK                    | Blank    | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| BLK                    | Blank    | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| BLK                    | Blank    |                         |                         |                          |                         |                         |
| BLK                    | Blank    | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |



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Project: TING\_RG

Report Date: July 16, 2011

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## QUALITY CONTROL REPORT

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|     |       | 4B<br>Ba<br>ppm<br>1 | 4B<br>Be<br>ppm<br>1 | 4B<br>Co<br>ppm<br>0.2 | 4B<br>Cs<br>ppm<br>0.1 | 4B<br>Ga<br>ppm<br>0.5 | 4B<br>Hf<br>ppm<br>0.1 | 4B<br>Nb<br>ppm<br>0.1 | 4B<br>Rb<br>ppm<br>0.1 | 4B<br>Sn<br>ppm<br>1 | 4B<br>Sr<br>ppm<br>0.5 | 4B<br>Ta<br>ppm<br>0.1 | 4B<br>Th<br>ppm<br>0.2 | 4B<br>U<br>ppm<br>0.1 | 4B<br>V<br>ppm<br>8 | 4B<br>W<br>ppm<br>0.5 | 4B<br>Zr<br>ppm<br>0.1 | 4B<br>Y<br>ppm<br>0.1 | 4B<br>La<br>ppm<br>0.1 | 4B<br>Ce<br>ppm<br>0.1 | 4B<br>Pr<br>ppm<br>0.02 |
|-----|-------|----------------------|----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|----------------------|------------------------|------------------------|------------------------|-----------------------|---------------------|-----------------------|------------------------|-----------------------|------------------------|------------------------|-------------------------|
| BLK | Blank |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| BLK | Blank | <1                   | <1                   | <0.2                   | <0.1                   | <0.5                   | <0.1                   | <0.1                   | <0.1                   | <1                   | <0.5                   | <0.1                   | <0.2                   | <0.1                  | <8                  | <0.5                  | <0.1                   | <0.1                  | <0.1                   | <0.1                   | <0.02                   |
| BLK | Blank |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| BLK | Blank | <1                   | <1                   | <0.2                   | <0.1                   | <0.5                   | <0.1                   | <0.1                   | <0.1                   | <1                   | <0.5                   | <0.1                   | <0.2                   | <0.1                  | <8                  | <0.5                  | <0.1                   | <0.1                  | <0.1                   | <0.1                   | <0.02                   |
| BLK | Blank | <1                   | <1                   | <0.2                   | <0.1                   | <0.5                   | <0.1                   | <0.1                   | <0.1                   | <1                   | <0.5                   | <0.1                   | <0.2                   | <0.1                  | <8                  | <0.5                  | <0.1                   | <0.1                  | <0.1                   | <0.1                   | <0.02                   |
| BLK | Blank | <1                   | <1                   | <0.2                   | <0.1                   | <0.5                   | <0.1                   | <0.1                   | <0.1                   | <1                   | <0.5                   | <0.1                   | <0.2                   | <0.1                  | <8                  | <0.5                  | <0.1                   | <0.1                  | <0.1                   | <0.1                   | <0.02                   |
| BLK | Blank | <1                   | <1                   | <0.2                   | <0.1                   | <0.5                   | <0.1                   | <0.1                   | <0.1                   | <1                   | <0.5                   | <0.1                   | <0.2                   | <0.1                  | <8                  | <0.5                  | <0.1                   | <0.1                  | <0.1                   | <0.1                   | <0.02                   |
| BLK | Blank | <1                   | <1                   | <0.2                   | <0.1                   | <0.5                   | <0.1                   | <0.1                   | <0.1                   | <1                   | <0.5                   | <0.1                   | <0.2                   | <0.1                  | <8                  | <0.5                  | <0.1                   | <0.1                  | <0.1                   | <0.1                   | <0.02                   |



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Project: TING\_RG

Report Date: July 16, 2011

Page: 3 of 3 Part 2

## QUALITY CONTROL REPORT

VAN11002655.1

|     |       | 4B   | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 1DX   | 1DX  | 1DX  | 1DX  | 1DX | 1DX  | 1DX  | 1DX  |
|-----|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|-----|------|------|------|
|     |       | Nd   | Sm    | Eu    | Gd    | Tb    | Dy    | Ho    | Er    | Tm    | Yb    | Lu    | Mo   | Cu   | Pb   | Zn  | Ni   | As   | Cd   |
|     |       | ppm  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm  | ppm  | ppm  | ppm | ppm  | ppm  | ppm  |
|     |       | 0.3  | 0.05  | 0.02  | 0.05  | 0.01  | 0.05  | 0.02  | 0.03  | 0.01  | 0.05  | 0.01  | 0.1  | 0.1  | 0.1  | 1   | 0.1  | 0.5  | 0.1  |
| BLK | Blank |      |       |       |       |       |       |       |       |       |       |       | <0.1 | <0.1 | <0.1 | <1  | <0.1 | <0.5 | <0.1 |
| BLK | Blank | <0.3 | <0.05 | <0.02 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 |      |      |      |     |      |      |      |
| BLK | Blank |      |       |       |       |       |       |       |       |       |       |       | <0.1 | <0.1 | <0.1 | <1  | <0.1 | <0.5 | <0.1 |
| BLK | Blank | <0.3 | <0.05 | <0.02 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 |      |      |      |     |      |      |      |
| BLK | Blank | <0.3 | <0.05 | <0.02 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 |      |      |      |     |      |      |      |
| BLK | Blank | <0.3 | <0.05 | <0.02 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 |      |      |      |     |      |      |      |
| BLK | Blank | <0.3 | <0.05 | <0.02 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 |      |      |      |     |      |      |      |
| BLK | Blank | <0.3 | <0.05 | <0.02 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 |      |      |      |     |      |      |      |



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**Project:** TING\_RG

**Report Date:** July 16, 2011

**Page:** 3 of 3 **Part** 3

## QUALITY CONTROL REPORT

VAN11002655.1

|     |       | 1DX<br>Ag<br>ppm<br>0.1 | 1DX<br>Au<br>ppb<br>0.5 | 1DX<br>Hg<br>ppm<br>0.01 | 1DX<br>Tl<br>ppm<br>0.1 | 1DX<br>Se<br>ppm<br>0.5 |
|-----|-------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|
| BLK | Blank | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| BLK | Blank |                         |                         |                          |                         |                         |
| BLK | Blank | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| BLK | Blank |                         |                         |                          |                         |                         |
| BLK | Blank |                         |                         |                          |                         |                         |
| BLK | Blank |                         |                         |                          |                         |                         |
| BLK | Blank |                         |                         |                          |                         |                         |
| BLK | Blank |                         |                         |                          |                         |                         |



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Submitted By: Allison Brand

Receiving Lab: Canada-Vancouver

Received: June 17, 2011

Report Date: July 16, 2011

Page: 1 of 7

## CERTIFICATE OF ANALYSIS

VAN11002656.1

### CLIENT JOB INFORMATION

Project: TING\_RG  
Shipment ID:  
P.O. Number  
Number of Samples: 177

### SAMPLE DISPOSAL

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

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

Invoice To: Harsbo Minerals Ltd.  
4758 Victory Street  
Burnaby BC V5J 1S2  
Canada

CC: Michael Burns  
Lee A. Groat  
Thomas Hasek  
David Turner

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                     | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|--------------------------------------|--------------|---------------|-----|
| SS80        | 177               | Dry at 60C sieve 100g to -80 mesh    |              |               | VAN |
| Dry at 60C  | 177               | Dry at 60C                           |              |               | VAN |
| RJSV        | 177               | Saving all or part of Soil Reject    |              |               | VAN |
| 4B02        | 177               | LiBO2/Li2B4O7 fusion ICP-MS analysis | 0.2          | Completed     | VAN |

### ADDITIONAL COMMENTS



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



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Project: TING\_RG

Report Date: July 16, 2011

Page: 2 of 7 Part 1

## CERTIFICATE OF ANALYSIS

VAN11002656.1

|             | Method<br>Analyte<br>Unit<br>MDL | 4B       | 4B       | 4B         | 4B         | 4B         | 4B         | 4B         | 4B         | 4B       | 4B         | 4B         | 4B         | 4B         | 4B       | 4B         | 4B         | 4B         | 4B         | 4B         | 4B          |
|-------------|----------------------------------|----------|----------|------------|------------|------------|------------|------------|------------|----------|------------|------------|------------|------------|----------|------------|------------|------------|------------|------------|-------------|
|             |                                  | Ba       | Be       | Co         | Cs         | Ga         | Hf         | Nb         | Rb         | Sn       | Sr         | Ta         | Th         | U          | V        | W          | Zr         | Y          | La         | Ce         | Pr          |
|             |                                  | ppm<br>1 | ppm<br>1 | ppm<br>0.2 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.5 | ppm<br>0.1 | ppm<br>0.2 | ppm<br>0.1 | ppm<br>8 | ppm<br>0.5 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.02 |
| 11-AAB-0072 | Soil                             | 431      | 2        | 11.2       | 3.1        | 11.3       | 8.8        | 10.3       | 62.7       | 1        | 77.7       | 0.7        | 7.5        | 2.7        | 81       | 0.9        | 351.7      | 25.1       | 22.8       | 48.0       | 5.62        |
| 11-AAB-0083 | Soil                             | 450      | 2        | 8.5        | 2.6        | 9.5        | 11.2       | 10.3       | 52.2       | 1        | 74.3       | 0.8        | 8.4        | 2.7        | 69       | 1.0        | 453.5      | 25.4       | 23.2       | 48.6       | 5.84        |
| 11-AAB-0068 | Soil                             | 522      | <1       | 6.5        | 2.1        | 7.9        | 19.8       | 10.4       | 42.9       | 1        | 67.4       | 0.8        | 6.8        | 3.4        | 62       | 0.9        | 835.3      | 28.6       | 19.5       | 40.2       | 4.89        |
| 11-AAB-0071 | Soil                             | 486      | 1        | 9.0        | 2.8        | 9.7        | 10.5       | 9.1        | 52.8       | 1        | 74.7       | 0.7        | 7.2        | 2.8        | 74       | 0.7        | 435.1      | 22.5       | 23.7       | 49.7       | 5.88        |
| 11-AAB-0096 | Soil                             | 844      | 1        | 1.2        | 8.0        | 19.2       | 12.4       | 18.5       | 145.9      | 3        | 515.6      | 1.4        | 16.4       | 3.4        | 154      | 2.0        | 455.5      | 28.5       | 54.9       | 114.0      | 12.81       |
| 11-AAB-0095 | Soil                             | 874      | 2        | 1.6        | 5.5        | 15.3       | 9.3        | 15.4       | 103.4      | 2        | 353.7      | 1.1        | 13.4       | 2.8        | 127      | 1.6        | 375.2      | 23.2       | 40.0       | 86.1       | 9.66        |
| 11-BSW-108  | Soil                             | 1009     | <1       | 7.9        | 1.9        | 6.9        | 13.2       | 6.8        | 33.5       | <1       | 60.9       | 0.5        | 6.7        | 2.9        | 90       | 0.5        | 534.4      | 17.9       | 18.0       | 36.8       | 4.48        |
| 11-BSW-114  | Soil                             | 830      | 1        | 5.1        | 3.1        | 13.9       | 9.2        | 17.7       | 78.4       | 2        | 115.9      | 1.2        | 9.1        | 3.3        | 132      | 1.7        | 379.1      | 22.5       | 36.6       | 72.7       | 8.13        |
| 11-BSW-120  | Soil                             | 935      | 1        | 6.2        | 3.4        | 13.2       | 9.5        | 16.9       | 79.8       | 2        | 119.4      | 1.2        | 9.5        | 3.4        | 132      | 1.8        | 387.3      | 23.8       | 36.4       | 73.9       | 8.19        |
| 11-BSW-121  | Soil                             | 897      | 2        | 7.7        | 4.9        | 13.7       | 8.5        | 11.6       | 86.7       | 2        | 88.4       | 0.8        | 10.4       | 4.1        | 172      | 1.0        | 344.3      | 33.1       | 33.6       | 65.2       | 8.16        |
| 11-BSW-118  | Soil                             | 474      | 2        | 10.5       | 8.1        | 18.0       | 6.9        | 10.4       | 108.9      | 2        | 155.9      | 0.8        | 11.0       | 3.3        | 143      | 1.0        | 262.2      | 33.6       | 34.0       | 67.0       | 8.43        |
| 11-BSW-117  | Soil                             | 383      | 1        | 6.4        | 3.0        | 9.6        | 6.3        | 9.3        | 52.5       | 1        | 116.8      | 0.6        | 7.6        | 2.6        | 102      | 1.0        | 239.7      | 20.4       | 23.5       | 46.1       | 5.56        |
| 11-BSW-126  | Soil                             | 530      | 4        | 8.1        | 4.2        | 15.4       | 8.2        | 106.1      | 108.9      | 2        | 225.4      | 5.2        | 19.3       | 4.8        | 97       | 2.4        | 411.8      | 24.7       | 70.1       | 115.8      | 11.16       |
| 11-BSW-107  | Soil                             | 374      | 1        | 6.2        | 2.8        | 9.1        | 13.8       | 9.4        | 50.3       | 1        | 69.5       | 0.7        | 6.9        | 3.2        | 98       | 0.8        | 523.3      | 19.9       | 22.2       | 43.6       | 5.30        |
| 11-BSW-119  | Soil                             | 495      | 2        | 7.7        | 4.3        | 12.9       | 9.8        | 13.2       | 73.3       | 2        | 91.0       | 0.9        | 9.3        | 3.8        | 123      | 1.4        | 350.3      | 25.3       | 30.1       | 59.5       | 6.98        |
| 11-BSW-122  | Soil                             | 429      | <1       | 4.1        | 2.7        | 8.2        | 11.0       | 11.9       | 54.8       | 1        | 62.3       | 0.8        | 6.2        | 3.0        | 109      | 1.2        | 417.5      | 18.4       | 23.0       | 44.3       | 5.19        |
| 11-BSW-112  | Soil                             | 514      | 1        | 3.4        | 2.4        | 10.8       | 8.9        | 14.5       | 53.1       | 2        | 98.7       | 1.0        | 7.7        | 2.9        | 105      | 1.3        | 328.6      | 17.3       | 29.7       | 57.9       | 6.73        |
| 11-BSW-124  | Soil                             | 677      | 3        | 10.1       | 3.6        | 15.7       | 9.1        | 125.7      | 114.1      | 1        | 329.9      | 6.6        | 19.8       | 5.3        | 82       | 3.8        | 450.5      | 25.2       | 88.9       | 153.1      | 14.58       |
| 11-BSW-110  | Soil                             | 553      | <1       | 3.3        | 1.2        | 4.9        | 8.1        | 6.2        | 25.6       | <1       | 50.7       | 0.9        | 3.8        | 2.8        | 74       | 0.5        | 320.0      | 12.1       | 15.8       | 30.4       | 3.78        |
| 11-BSW-123  | Soil                             | 750      | 5        | 2.9        | 3.3        | 19.1       | 9.5        | 242.3      | 180.1      | 1        | 607.1      | 12.7       | 30.7       | 8.0        | 26       | 1.0        | 492.1      | 21.0       | 132.6      | 217.4      | 19.11       |
| 11-BSW-115  | Soil                             | 831      | 1        | 5.5        | 3.0        | 13.5       | 9.0        | 17.9       | 74.9       | 3        | 143.5      | 1.3        | 10.0       | 3.0        | 110      | 1.8        | 325.5      | 22.0       | 38.0       | 75.8       | 8.69        |
| 11-BSW-128  | Soil                             | 762      | 4        | 9.8        | 4.7        | 15.9       | 8.2        | 85.4       | 103.2      | 1        | 234.1      | 4.4        | 17.1       | 4.5        | 110      | 2.6        | 366.9      | 30.2       | 76.5       | 127.0      | 13.75       |
| 11-BSW-127  | Soil                             | 640      | 2        | 9.7        | 4.0        | 14.3       | 8.6        | 68.2       | 96.2       | 2        | 190.0      | 3.8        | 14.6       | 4.2        | 93       | 2.3        | 383.8      | 23.7       | 51.1       | 94.1       | 9.56        |
| 11-BSW-109  | Soil                             | 415      | <1       | 3.7        | 2.1        | 8.1        | 10.3       | 10.0       | 53.1       | 1        | 58.0       | 0.8        | 5.7        | 2.4        | 108      | 0.9        | 397.1      | 14.6       | 19.7       | 38.4       | 4.57        |
| 11-BSW-105  | Soil                             | 702      | 1        | 3.7        | 3.2        | 12.9       | 8.8        | 17.4       | 83.7       | 2        | 111.1      | 1.2        | 10.1       | 3.2        | 123      | 1.5        | 351.4      | 22.7       | 36.2       | 71.5       | 8.20        |
| 11-BSW-113  | Soil                             | 1449     | 1        | 6.3        | 2.1        | 6.5        | 12.6       | 6.4        | 39.1       | 1        | 63.8       | 0.6        | 5.7        | 3.1        | 108      | 0.6        | 469.1      | 18.5       | 18.4       | 34.7       | 4.37        |
| 11-BSW-106  | Soil                             | 702      | 2        | 8.5        | 3.2        | 10.8       | 7.7        | 11.7       | 65.6       | 1        | 63.9       | 0.8        | 7.8        | 3.6        | 153      | 1.0        | 291.5      | 21.7       | 31.6       | 66.5       | 7.30        |
| 11-BSW-116  | Soil                             | 588      | 1        | 7.3        | 2.4        | 7.3        | 10.0       | 8.0        | 40.2       | 1        | 64.6       | 0.6        | 6.2        | 3.0        | 85       | 0.9        | 380.5      | 18.3       | 20.1       | 38.4       | 4.69        |
| 11-BSW-129  | Soil                             | 757      | 4        | 8.6        | 6.4        | 16.4       | 8.9        | 138.9      | 110.2      | 2        | 293.9      | 5.7        | 17.4       | 5.0        | 89       | 2.4        | 398.9      | 18.1       | 62.7       | 105.8      | 9.62        |
| 11-BSW-111  | Soil                             | 852      | 2        | 8.6        | 3.0        | 14.2       | 8.7        | 17.0       | 75.0       | 2        | 119.8      | 1.3        | 10.2       | 3.2        | 136      | 1.6        | 317.0      | 20.6       | 33.4       | 66.5       | 7.62        |



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Project: TING\_RG

Report Date: July 16, 2011

Page: 2 of 7 Part 2

## CERTIFICATE OF ANALYSIS

VAN11002656.1

|             | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 1DX | 1DX  | 1DX  | 1DX | 1DX  | 1DX  | 1DX  | 1DX  |
|-------------|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|-----|------|------|------|------|
|             |                                  | Nd   | Sm   | Eu   | Gd   | Tb   | Dy   | Ho   | Er   | Tm   | Yb   | Lu   | Mo  | Cu   | Pb   | Zn  | Ni   | As   | Cd   | Sb   |
|             |                                  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm | ppm  | ppm  | ppm | ppm  | ppm  | ppm  | ppm  |
|             |                                  | 0.3  | 0.05 | 0.02 | 0.05 | 0.01 | 0.05 | 0.02 | 0.03 | 0.01 | 0.05 | 0.01 | 0.1 | 0.1  | 0.1  | 1   | 0.1  | 0.5  | 0.1  | 0.1  |
| 11-AAB-0072 | Soil                             | 22.0 | 4.21 | 0.89 | 3.95 | 0.67 | 3.94 | 0.82 | 2.41 | 0.38 | 2.37 | 0.37 | 0.8 | 13.3 | 9.7  | 51  | 22.1 | 5.7  | 0.2  | 0.2  |
| 11-AAB-0083 | Soil                             | 23.3 | 4.62 | 0.95 | 4.03 | 0.69 | 4.04 | 0.83 | 2.53 | 0.41 | 2.60 | 0.42 | 0.8 | 12.6 | 9.3  | 52  | 21.8 | 6.1  | 0.2  | 0.2  |
| 11-AAB-0068 | Soil                             | 18.8 | 3.91 | 0.80 | 3.80 | 0.68 | 4.43 | 0.93 | 2.80 | 0.45 | 3.01 | 0.48 | 1.1 | 9.6  | 7.2  | 45  | 16.9 | 5.3  | 0.2  | <0.1 |
| 11-AAB-0071 | Soil                             | 22.0 | 4.01 | 0.84 | 3.57 | 0.60 | 3.59 | 0.72 | 2.19 | 0.34 | 2.18 | 0.34 | 1.2 | 12.4 | 9.2  | 51  | 19.7 | 6.2  | 0.2  | 0.1  |
| 11-AAB-0096 | Soil                             | 47.2 | 7.75 | 1.35 | 4.26 | 0.67 | 4.47 | 0.95 | 3.06 | 0.52 | 3.36 | 0.53 | 0.7 | 2.2  | 15.7 | 1   | 0.9  | 13.5 | <0.1 | 0.1  |
| 11-AAB-0095 | Soil                             | 37.1 | 6.07 | 1.09 | 3.54 | 0.56 | 3.58 | 0.76 | 2.40 | 0.40 | 2.67 | 0.41 | 0.8 | 4.9  | 14.3 | 12  | 3.5  | 15.0 | <0.1 | 0.1  |
| 11-BSW-108  | Soil                             | 17.2 | 3.24 | 0.62 | 2.61 | 0.45 | 2.68 | 0.58 | 1.73 | 0.28 | 1.83 | 0.31 | 3.0 | 10.2 | 10.0 | 65  | 19.3 | 7.3  | 0.6  | <0.1 |
| 11-BSW-114  | Soil                             | 29.6 | 4.55 | 0.82 | 3.40 | 0.57 | 3.58 | 0.73 | 2.17 | 0.35 | 2.32 | 0.36 | 3.7 | 5.8  | 12.4 | 46  | 12.6 | 7.4  | 0.3  | 0.1  |
| 11-BSW-120  | Soil                             | 29.6 | 5.03 | 0.90 | 3.74 | 0.63 | 3.82 | 0.77 | 2.32 | 0.38 | 2.44 | 0.38 | 2.4 | 6.9  | 13.6 | 56  | 11.6 | 6.8  | 0.6  | 0.2  |
| 11-BSW-121  | Soil                             | 30.6 | 6.04 | 1.31 | 5.71 | 0.89 | 5.14 | 1.03 | 2.92 | 0.44 | 2.74 | 0.43 | 3.5 | 15.2 | 14.7 | 102 | 33.5 | 10.1 | 0.6  | 0.1  |
| 11-BSW-118  | Soil                             | 32.8 | 6.69 | 1.45 | 6.40 | 1.00 | 5.64 | 1.11 | 3.06 | 0.47 | 2.97 | 0.45 | 0.6 | 17.5 | 12.5 | 82  | 34.7 | 7.2  | 0.3  | 0.2  |
| 11-BSW-117  | Soil                             | 21.7 | 4.04 | 0.80 | 3.54 | 0.57 | 3.30 | 0.71 | 2.05 | 0.32 | 2.09 | 0.32 | 1.0 | 11.8 | 10.2 | 58  | 23.9 | 5.7  | 0.5  | 0.1  |
| 11-BSW-126  | Soil                             | 36.6 | 5.44 | 1.19 | 4.68 | 0.70 | 4.02 | 0.86 | 2.48 | 0.39 | 2.61 | 0.39 | 1.8 | 13.1 | 15.1 | 70  | 21.1 | 5.7  | 0.4  | 0.1  |
| 11-BSW-107  | Soil                             | 21.4 | 3.76 | 0.73 | 3.23 | 0.53 | 3.08 | 0.69 | 2.02 | 0.33 | 2.24 | 0.35 | 1.6 | 10.4 | 11.5 | 59  | 20.1 | 7.3  | 0.4  | 0.1  |
| 11-BSW-119  | Soil                             | 26.0 | 4.67 | 0.89 | 3.85 | 0.64 | 3.97 | 0.89 | 2.62 | 0.42 | 2.66 | 0.41 | 1.7 | 14.6 | 12.6 | 80  | 24.2 | 8.4  | 0.9  | 0.2  |
| 11-BSW-122  | Soil                             | 19.8 | 3.11 | 0.55 | 2.41 | 0.43 | 2.59 | 0.65 | 1.92 | 0.32 | 2.16 | 0.34 | 3.4 | 8.3  | 11.9 | 63  | 16.0 | 8.9  | 0.4  | 0.1  |
| 11-BSW-112  | Soil                             | 25.0 | 4.01 | 0.67 | 2.99 | 0.46 | 2.89 | 0.61 | 1.80 | 0.30 | 1.97 | 0.31 | 3.2 | 7.4  | 9.8  | 46  | 9.3  | 8.1  | 0.2  | 0.1  |
| 11-BSW-124  | Soil                             | 46.8 | 6.64 | 1.56 | 5.23 | 0.75 | 4.37 | 0.83 | 2.39 | 0.39 | 2.62 | 0.39 | 4.7 | 12.4 | 14.4 | 74  | 24.4 | 6.9  | 0.2  | <0.1 |
| 11-BSW-110  | Soil                             | 13.8 | 2.38 | 0.44 | 2.00 | 0.33 | 1.99 | 0.40 | 1.18 | 0.19 | 1.26 | 0.21 | 1.4 | 4.9  | 5.7  | 39  | 8.2  | 4.1  | 0.3  | <0.1 |
| 11-BSW-123  | Soil                             | 57.0 | 6.67 | 1.67 | 4.71 | 0.66 | 3.73 | 0.76 | 2.24 | 0.39 | 2.56 | 0.40 | 0.4 | 2.6  | 18.8 | 55  | 2.6  | 4.3  | 0.3  | <0.1 |
| 11-BSW-115  | Soil                             | 32.4 | 5.48 | 0.93 | 4.03 | 0.63 | 3.70 | 0.78 | 2.17 | 0.36 | 2.29 | 0.35 | 1.6 | 3.9  | 10.9 | 49  | 11.0 | 6.4  | 0.3  | 0.2  |
| 11-BSW-128  | Soil                             | 47.1 | 7.25 | 1.61 | 6.00 | 0.90 | 5.16 | 1.04 | 2.95 | 0.47 | 2.89 | 0.45 | 2.1 | 18.1 | 16.0 | 87  | 26.7 | 9.4  | 0.3  | 0.2  |
| 11-BSW-127  | Soil                             | 33.0 | 5.52 | 1.20 | 4.74 | 0.73 | 4.14 | 0.84 | 2.42 | 0.38 | 2.49 | 0.38 | 1.5 | 11.6 | 13.4 | 88  | 20.9 | 6.7  | 0.5  | 0.1  |
| 11-BSW-109  | Soil                             | 17.1 | 2.70 | 0.48 | 1.95 | 0.35 | 2.24 | 0.50 | 1.54 | 0.26 | 1.71 | 0.27 | 2.7 | 3.7  | 9.6  | 42  | 10.8 | 10.1 | 0.3  | 0.1  |
| 11-BSW-105  | Soil                             | 30.2 | 4.89 | 0.84 | 3.84 | 0.61 | 3.76 | 0.79 | 2.34 | 0.37 | 2.38 | 0.37 | 2.4 | 5.5  | 11.1 | 37  | 8.7  | 6.9  | 0.3  | 0.2  |
| 11-BSW-113  | Soil                             | 16.1 | 3.11 | 0.56 | 2.86 | 0.47 | 2.78 | 0.61 | 1.77 | 0.28 | 1.87 | 0.30 | 2.9 | 10.9 | 10.0 | 89  | 17.2 | 7.4  | 1.2  | <0.1 |
| 11-BSW-106  | Soil                             | 27.4 | 4.65 | 0.85 | 3.68 | 0.58 | 3.54 | 0.72 | 2.06 | 0.32 | 2.07 | 0.32 | 4.4 | 10.6 | 17.8 | 114 | 26.4 | 10.1 | 0.8  | 0.2  |
| 11-BSW-116  | Soil                             | 17.7 | 3.27 | 0.64 | 2.82 | 0.48 | 2.82 | 0.60 | 1.80 | 0.29 | 1.99 | 0.31 | 2.1 | 9.8  | 10.4 | 67  | 17.7 | 7.1  | 0.5  | 0.1  |
| 11-BSW-129  | Soil                             | 30.6 | 4.16 | 0.92 | 3.44 | 0.49 | 2.87 | 0.61 | 1.76 | 0.30 | 2.01 | 0.30 | 3.0 | 8.9  | 18.4 | 75  | 19.5 | 6.7  | 0.3  | 0.1  |
| 11-BSW-111  | Soil                             | 28.6 | 4.67 | 0.90 | 3.78 | 0.60 | 3.49 | 0.73 | 2.16 | 0.33 | 2.18 | 0.36 | 2.5 | 6.5  | 13.5 | 64  | 18.4 | 8.3  | 0.2  | 0.2  |



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**Project:** TING\_RG

**Report Date:** July 16, 2011

**Page:** 2 of 7 Part 3

## CERTIFICATE OF ANALYSIS

VAN11002656.1

|             | Method<br>Analyte<br>Unit<br>MDL | 1DX  | 1DX  | 1DX   | 1DX  | 1DX  |
|-------------|----------------------------------|------|------|-------|------|------|
|             |                                  | Ag   | Au   | Hg    | Tl   | Se   |
|             |                                  | ppm  | ppb  | ppm   | ppm  | ppm  |
|             |                                  | 0.1  | 0.5  | 0.01  | 0.1  | 0.5  |
| 11-AAB-0072 | Soil                             | <0.1 | <0.5 | 0.02  | <0.1 | 0.6  |
| 11-AAB-0083 | Soil                             | <0.1 | 0.6  | 0.01  | <0.1 | 0.6  |
| 11-AAB-0068 | Soil                             | <0.1 | <0.5 | 0.01  | <0.1 | 0.6  |
| 11-AAB-0071 | Soil                             | <0.1 | 0.7  | 0.01  | <0.1 | 0.6  |
| 11-AAB-0096 | Soil                             | <0.1 | <0.5 | 0.02  | 0.1  | <0.5 |
| 11-AAB-0095 | Soil                             | 0.1  | <0.5 | 0.04  | <0.1 | <0.5 |
| 11-BSW-108  | Soil                             | <0.1 | 0.8  | 0.02  | <0.1 | 1.0  |
| 11-BSW-114  | Soil                             | <0.1 | <0.5 | 0.01  | 0.1  | 0.5  |
| 11-BSW-120  | Soil                             | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-BSW-121  | Soil                             | 0.3  | 0.8  | 0.07  | 0.1  | 1.7  |
| 11-BSW-118  | Soil                             | 0.6  | 1.4  | 0.11  | <0.1 | 3.7  |
| 11-BSW-117  | Soil                             | 0.2  | 0.9  | 0.04  | <0.1 | 2.1  |
| 11-BSW-126  | Soil                             | 0.2  | 0.5  | 0.04  | 0.2  | <0.5 |
| 11-BSW-107  | Soil                             | 0.1  | <0.5 | 0.02  | <0.1 | 1.1  |
| 11-BSW-119  | Soil                             | 0.1  | <0.5 | 0.01  | <0.1 | 0.9  |
| 11-BSW-122  | Soil                             | <0.1 | <0.5 | <0.01 | <0.1 | 0.7  |
| 11-BSW-112  | Soil                             | <0.1 | <0.5 | 0.02  | <0.1 | 0.6  |
| 11-BSW-124  | Soil                             | 0.1  | 1.1  | 0.02  | 0.2  | 0.7  |
| 11-BSW-110  | Soil                             | <0.1 | 4.1  | 0.02  | <0.1 | 0.8  |
| 11-BSW-123  | Soil                             | <0.1 | 0.5  | 0.02  | 0.3  | 0.5  |
| 11-BSW-115  | Soil                             | <0.1 | 0.8  | <0.01 | <0.1 | <0.5 |
| 11-BSW-128  | Soil                             | 0.2  | 0.9  | 0.03  | 0.2  | 0.7  |
| 11-BSW-127  | Soil                             | <0.1 | 0.6  | 0.02  | 0.1  | <0.5 |
| 11-BSW-109  | Soil                             | <0.1 | <0.5 | <0.01 | <0.1 | 0.8  |
| 11-BSW-105  | Soil                             | <0.1 | <0.5 | <0.01 | <0.1 | 0.7  |
| 11-BSW-113  | Soil                             | 0.1  | <0.5 | 0.06  | <0.1 | 1.9  |
| 11-BSW-106  | Soil                             | <0.1 | 1.0  | 0.03  | 0.2  | 1.3  |
| 11-BSW-116  | Soil                             | 0.1  | <0.5 | 0.03  | 0.1  | 1.4  |
| 11-BSW-129  | Soil                             | <0.1 | <0.5 | 0.03  | 0.1  | <0.5 |
| 11-BSW-111  | Soil                             | <0.1 | 1.0  | <0.01 | 0.1  | 0.5  |



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Project: TING\_RG

Report Date: July 16, 2011

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## CERTIFICATE OF ANALYSIS

VAN11002656.1

|             | Method<br>Analyte<br>Unit<br>MDL | 4B  | 4B  | 4B   | 4B  | 4B   | 4B   | 4B   | 4B   | 4B  | 4B    | 4B  | 4B   | 4B  | 4B  | 4B   | 4B    | 4B   | 4B   |
|-------------|----------------------------------|-----|-----|------|-----|------|------|------|------|-----|-------|-----|------|-----|-----|------|-------|------|------|
|             |                                  | Ba  | Be  | Co   | Cs  | Ga   | Hf   | Nb   | Rb   | Sn  | Sr    | Ta  | Th   | U   | V   | W    | Zr    | Y    | La   |
|             |                                  | ppm | ppm | ppm  | ppm | ppm  | ppm  | ppm  | ppm  | ppm | ppm   | ppm | ppm  | ppm | ppm | ppm  | ppm   | ppm  | ppm  |
|             |                                  | 1   | 1   | 0.2  | 0.1 | 0.5  | 0.1  | 0.1  | 0.1  | 1   | 0.5   | 0.1 | 0.2  | 0.1 | 8   | 0.5  | 0.1   | 0.1  | 0.1  |
| 11-BSW-125  | Soil                             | 669 | 3   | 9.6  | 3.2 | 12.6 | 9.7  | 95.7 | 94.7 | 1   | 269.4 | 5.1 | 16.3 | 4.2 | 77  | 4.0  | 422.4 | 24.7 | 71.8 |
| 11-BCQ-0098 | Soil                             | 249 | 1   | 2.9  | 7.3 | 4.3  | 2.0  | 5.7  | 35.2 | <1  | 70.2  | 0.2 | 3.6  | 1.0 | 20  | 0.7  | 80.7  | 11.0 | 13.4 |
| 11-BCQ-0117 | Soil                             | 424 | <1  | 3.0  | 1.2 | 4.1  | 3.7  | 7.6  | 29.0 | <1  | 92.0  | 0.5 | 4.1  | 1.4 | 36  | 0.5  | 146.2 | 9.9  | 17.5 |
| 11-BCQ-0095 | Soil                             | 999 | 2   | 5.1  | 5.4 | 20.0 | 6.1  | 14.6 | 77.6 | 3   | 132.8 | 1.2 | 9.9  | 4.3 | 224 | 1.4  | 220.8 | 20.4 | 33.0 |
| 11-BCQ-0120 | Soil                             | 411 | <1  | 3.7  | 3.1 | 5.7  | 3.5  | 9.2  | 38.0 | <1  | 77.7  | 0.6 | 5.8  | 1.8 | 47  | 0.7  | 132.2 | 12.5 | 18.8 |
| 11-BCQ-0037 | Soil                             | 360 | 1   | 8.1  | 2.5 | 7.4  | 11.2 | 16.1 | 48.0 | 1   | 47.7  | 0.9 | 8.1  | 3.3 | 69  | 1.2  | 471.2 | 21.2 | 29.5 |
| 11-BCQ-0124 | Soil                             | 494 | <1  | 3.6  | 1.6 | 5.2  | 5.1  | 8.0  | 36.7 | <1  | 125.3 | 0.6 | 5.7  | 1.9 | 57  | 0.6  | 193.4 | 12.6 | 18.8 |
| 11-BCQ-0099 | Soil                             | 454 | 2   | 6.4  | 9.1 | 8.7  | 4.2  | 10.8 | 69.7 | 1   | 98.6  | 0.7 | 6.0  | 1.9 | 48  | 2.7  | 153.8 | 13.7 | 22.0 |
| 11-BCQ-0029 | Soil                             | 385 | 1   | 9.5  | 2.8 | 8.1  | 19.7 | 25.0 | 46.7 | 1   | 52.8  | 1.6 | 11.8 | 3.4 | 70  | 1.8  | 825.6 | 25.6 | 52.3 |
| 11-BCQ-0053 | Soil                             | 727 | 1   | 6.2  | 2.9 | 15.6 | 8.7  | 25.0 | 67.6 | 3   | 133.1 | 1.8 | 10.8 | 3.1 | 100 | 1.5  | 335.6 | 21.9 | 37.3 |
| 11-BCQ-0115 | Soil                             | 294 | <1  | 3.6  | 1.1 | 3.8  | 3.9  | 6.9  | 28.6 | <1  | 70.4  | 0.4 | 4.6  | 1.4 | 33  | 0.5  | 154.0 | 9.3  | 15.7 |
| 11-BCQ-0035 | Soil                             | 289 | 1   | 7.9  | 1.8 | 5.6  | 17.4 | 14.6 | 36.4 | <1  | 39.2  | 1.0 | 7.5  | 3.5 | 93  | 1.1  | 708.7 | 22.4 | 34.2 |
| 11-BCQ-0103 | Soil                             | 329 | 2   | 2.5  | 3.0 | 4.9  | 4.6  | 15.0 | 68.8 | 1   | 70.7  | 1.5 | 7.6  | 1.9 | 42  | 1.1  | 172.6 | 12.9 | 22.0 |
| 11-BCQ-0110 | Soil                             | 328 | <1  | 3.1  | 2.0 | 3.6  | 3.4  | 7.1  | 27.2 | <1  | 74.2  | 0.4 | 4.4  | 1.4 | 36  | <0.5 | 134.9 | 9.3  | 15.2 |
| 11-BCQ-0123 | Soil                             | 804 | 1   | 5.0  | 1.6 | 4.9  | 4.1  | 9.3  | 34.8 | <1  | 117.0 | 0.7 | 5.4  | 1.8 | 60  | 0.7  | 173.0 | 13.7 | 18.8 |
| 11-BCQ-0107 | Soil                             | 383 | 1   | 5.3  | 4.0 | 5.7  | 4.8  | 11.6 | 44.3 | <1  | 78.7  | 0.8 | 5.7  | 1.7 | 48  | 1.7  | 195.5 | 11.7 | 21.7 |
| 11-BCQ-0122 | Soil                             | 751 | <1  | 2.1  | 0.7 | 2.4  | 3.0  | 4.3  | 18.1 | <1  | 105.6 | 0.3 | 2.9  | 1.4 | 42  | <0.5 | 123.9 | 9.6  | 12.6 |
| 11-BCQ-0021 | Soil                             | 307 | <1  | 6.3  | 1.3 | 5.9  | 16.5 | 17.0 | 37.6 | 1   | 49.7  | 1.1 | 8.9  | 2.8 | 67  | 1.6  | 718.8 | 26.7 | 31.5 |
| 11-BCQ-0116 | Soil                             | 309 | <1  | 2.3  | 1.3 | 2.9  | 2.6  | 6.0  | 21.6 | 1   | 55.9  | 0.3 | 3.8  | 1.2 | 34  | <0.5 | 101.2 | 7.6  | 13.6 |
| 11-BCQ-0104 | Soil                             | 561 | 2   | 4.9  | 1.3 | 5.6  | 5.8  | 7.9  | 40.8 | 1   | 103.1 | 0.7 | 7.2  | 2.0 | 70  | 0.6  | 227.8 | 15.2 | 23.5 |
| 11-BCQ-0040 | Soil                             | 258 | 1   | 5.5  | 1.6 | 4.1  | 8.9  | 12.6 | 26.4 | 1   | 29.4  | 0.8 | 5.6  | 2.5 | 74  | 0.7  | 385.9 | 13.1 | 27.2 |
| 11-BCQ-0052 | Soil                             | 689 | 3   | 4.6  | 2.8 | 15.1 | 8.6  | 23.1 | 65.6 | 3   | 143.2 | 1.5 | 9.3  | 2.9 | 89  | 1.6  | 330.7 | 21.2 | 35.7 |
| 11-BCQ-0024 | Soil                             | 338 | 2   | 6.1  | 1.8 | 5.7  | 9.8  | 13.5 | 36.4 | 1   | 43.8  | 1.1 | 7.1  | 2.3 | 54  | 1.1  | 359.4 | 21.2 | 23.6 |
| 11-BCQ-0105 | Soil                             | 401 | 1   | 3.8  | 3.0 | 5.6  | 3.9  | 8.4  | 38.5 | 1   | 84.6  | 0.6 | 4.2  | 1.3 | 48  | 1.0  | 137.0 | 10.4 | 16.2 |
| 11-BCQ-0112 | Soil                             | 127 | <1  | 1.7  | 2.6 | 2.1  | 1.8  | 5.4  | 16.5 | <1  | 57.6  | 0.3 | 2.7  | 1.0 | 20  | <0.5 | 71.7  | 5.9  | 11.3 |
| 11-BSW-088  | Soil                             | 711 | <1  | 5.1  | 1.6 | 6.0  | 9.0  | 6.2  | 31.1 | <1  | 64.1  | 0.5 | 4.6  | 4.1 | 84  | 0.7  | 377.4 | 16.3 | 15.6 |
| 11-BSW-055  | Soil                             | 283 | <1  | 2.8  | 2.4 | 8.2  | 11.5 | 16.7 | 49.1 | 2   | 50.2  | 1.2 | 7.9  | 2.3 | 61  | 1.6  | 394.1 | 17.7 | 26.0 |
| 11-BSW-072  | Soil                             | 596 | 1   | 10.3 | 3.6 | 9.4  | 8.9  | 7.9  | 59.8 | 1   | 72.7  | 0.6 | 7.7  | 3.3 | 104 | 0.7  | 340.0 | 25.5 | 22.6 |
| 11-BSW-087  | Soil                             | 638 | 1   | 6.7  | 1.8 | 5.9  | 7.3  | 5.9  | 31.6 | <1  | 54.0  | 0.4 | 5.4  | 2.3 | 79  | 0.6  | 302.5 | 14.8 | 17.3 |
| 11-BSW-059  | Soil                             | 473 | 3   | 6.7  | 4.7 | 12.8 | 8.5  | 21.5 | 70.8 | 2   | 67.2  | 1.4 | 9.2  | 3.0 | 116 | 1.6  | 341.7 | 19.7 | 34.1 |



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Project: TING\_RG

Report Date: July 16, 2011

Page: 3 of 7 Part 2

## CERTIFICATE OF ANALYSIS

VAN11002656.1

|             | Method | Analyte | Unit | MDL | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 1DX  | 1DX  | 1DX | 1DX  | 1DX  | 1DX | 1DX  | 1DX  |      |      |      |
|-------------|--------|---------|------|-----|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|-----|------|------|------|------|------|
|             |        |         |      |     | Nd   | Sm   | Eu   | Gd   | Tb   | Dy   | Ho   | Er   | Tm   | Yb   | Lu   | Mo  | Cu   | Pb   | Zn  | Ni   | As   | Cd   | Sb   | Bi   |
|             |        |         |      |     | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm | ppm  | ppm  | ppm | ppm  | ppm  | ppm  | ppm  | ppm  |
|             |        |         |      |     | 0.3  | 0.05 | 0.02 | 0.05 | 0.01 | 0.05 | 0.02 | 0.03 | 0.01 | 0.05 | 0.01 | 0.1 | 0.1  | 0.1  | 1   | 0.1  | 0.5  | 0.1  | 0.1  | 0.1  |
| 11-BSW-125  | Soil   |         |      |     | 39.6 | 5.96 | 1.39 | 4.95 | 0.74 | 4.26 | 0.85 | 2.46 | 0.41 | 2.53 | 0.40 | 3.1 | 13.2 | 12.6 | 61  | 19.8 | 6.8  | 0.2  | 0.2  | 0.1  |
| 11-BCQ-0098 | Soil   |         |      |     | 11.8 | 1.94 | 0.44 | 1.80 | 0.27 | 1.66 | 0.35 | 0.89 | 0.14 | 0.84 | 0.14 | 0.4 | 10.3 | 8.5  | 58  | 5.3  | 7.1  | 0.8  | 0.6  | <0.1 |
| 11-BCQ-0117 | Soil   |         |      |     | 13.9 | 2.42 | 0.50 | 2.00 | 0.30 | 1.65 | 0.35 | 0.96 | 0.14 | 0.95 | 0.14 | 0.5 | 4.7  | 6.7  | 35  | 6.7  | 4.8  | 0.4  | 0.3  | <0.1 |
| 11-BCQ-0095 | Soil   |         |      |     | 27.2 | 4.62 | 0.87 | 3.55 | 0.56 | 3.28 | 0.66 | 2.05 | 0.34 | 2.16 | 0.33 | 3.7 | 19.5 | 18.9 | 48  | 13.7 | 4.5  | 1.0  | 0.2  | 0.2  |
| 11-BCQ-0120 | Soil   |         |      |     | 15.7 | 2.70 | 0.59 | 2.43 | 0.37 | 2.13 | 0.42 | 1.20 | 0.18 | 1.16 | 0.18 | 0.1 | 6.1  | 11.0 | 61  | 6.6  | 7.1  | 0.5  | 0.3  | <0.1 |
| 11-BCQ-0037 | Soil   |         |      |     | 27.2 | 4.55 | 0.90 | 3.95 | 0.60 | 3.52 | 0.73 | 2.17 | 0.33 | 2.20 | 0.35 | 0.4 | 10.9 | 13.5 | 52  | 10.5 | 5.7  | 0.8  | 0.2  | 0.1  |
| 11-BCQ-0124 | Soil   |         |      |     | 16.1 | 2.91 | 0.58 | 2.49 | 0.37 | 2.08 | 0.41 | 1.20 | 0.19 | 1.21 | 0.19 | 0.5 | 5.3  | 8.5  | 60  | 8.5  | 4.3  | 1.0  | 0.5  | <0.1 |
| 11-BCQ-0099 | Soil   |         |      |     | 18.2 | 3.20 | 0.70 | 2.69 | 0.41 | 2.32 | 0.48 | 1.35 | 0.21 | 1.32 | 0.21 | 0.8 | 9.4  | 27.0 | 93  | 7.6  | 32.5 | 0.4  | 0.6  | 0.4  |
| 11-BCQ-0029 | Soil   |         |      |     | 52.5 | 8.77 | 1.64 | 6.49 | 0.85 | 4.70 | 0.90 | 2.53 | 0.41 | 2.78 | 0.47 | 0.4 | 18.1 | 27.4 | 60  | 15.5 | 10.6 | 0.4  | 0.8  | 0.1  |
| 11-BCQ-0053 | Soil   |         |      |     | 31.9 | 5.20 | 0.87 | 4.19 | 0.65 | 3.85 | 0.79 | 2.32 | 0.36 | 2.26 | 0.36 | 0.8 | 5.7  | 12.0 | 63  | 10.0 | 4.7  | 0.2  | 0.1  | 0.2  |
| 11-BCQ-0115 | Soil   |         |      |     | 14.3 | 2.48 | 0.50 | 2.02 | 0.30 | 1.62 | 0.32 | 0.91 | 0.15 | 0.96 | 0.14 | 0.2 | 3.3  | 5.8  | 32  | 7.2  | 4.0  | 0.2  | 0.2  | <0.1 |
| 11-BCQ-0035 | Soil   |         |      |     | 28.9 | 4.42 | 0.86 | 3.68 | 0.59 | 3.62 | 0.76 | 2.18 | 0.36 | 2.42 | 0.39 | 2.9 | 11.1 | 11.3 | 161 | 26.9 | 7.8  | 1.2  | 0.5  | 0.1  |
| 11-BCQ-0103 | Soil   |         |      |     | 17.6 | 2.96 | 0.50 | 2.43 | 0.37 | 2.19 | 0.44 | 1.20 | 0.19 | 1.27 | 0.19 | 0.3 | 3.5  | 6.8  | 36  | 5.6  | 3.2  | 0.3  | 0.2  | <0.1 |
| 11-BCQ-0110 | Soil   |         |      |     | 12.3 | 2.30 | 0.44 | 1.92 | 0.29 | 1.65 | 0.32 | 0.95 | 0.14 | 0.92 | 0.14 | 0.4 | 4.8  | 8.8  | 49  | 7.7  | 6.1  | 0.4  | 0.4  | <0.1 |
| 11-BCQ-0123 | Soil   |         |      |     | 16.1 | 3.02 | 0.63 | 2.63 | 0.40 | 2.43 | 0.48 | 1.36 | 0.21 | 1.30 | 0.20 | 0.8 | 8.1  | 13.3 | 75  | 13.4 | 6.1  | 1.1  | 0.9  | <0.1 |
| 11-BCQ-0107 | Soil   |         |      |     | 18.8 | 3.07 | 0.65 | 2.58 | 0.38 | 2.25 | 0.41 | 1.15 | 0.18 | 1.09 | 0.18 | 0.3 | 5.8  | 22.5 | 78  | 8.3  | 7.2  | 0.3  | 0.3  | <0.1 |
| 11-BCQ-0122 | Soil   |         |      |     | 10.3 | 1.88 | 0.38 | 1.68 | 0.27 | 1.50 | 0.31 | 0.84 | 0.14 | 0.84 | 0.14 | 0.6 | 4.3  | 6.8  | 52  | 7.2  | 4.7  | 0.8  | 0.9  | <0.1 |
| 11-BCQ-0021 | Soil   |         |      |     | 26.0 | 5.54 | 1.07 | 4.67 | 0.81 | 4.85 | 0.94 | 2.73 | 0.44 | 2.76 | 0.45 | 0.6 | 18.1 | 6.6  | 53  | 9.9  | 2.5  | 0.7  | 0.4  | 0.2  |
| 11-BCQ-0116 | Soil   |         |      |     | 10.5 | 1.93 | 0.37 | 1.53 | 0.22 | 1.23 | 0.28 | 0.66 | 0.12 | 0.63 | 0.12 | 0.3 | 3.7  | 7.6  | 22  | 4.2  | 5.0  | 0.2  | 0.2  | <0.1 |
| 11-BCQ-0104 | Soil   |         |      |     | 20.2 | 3.41 | 0.69 | 2.74 | 0.43 | 2.39 | 0.47 | 1.46 | 0.22 | 1.34 | 0.22 | 0.5 | 6.7  | 8.0  | 56  | 11.2 | 4.8  | 0.6  | 0.5  | <0.1 |
| 11-BCQ-0040 | Soil   |         |      |     | 22.5 | 3.64 | 0.68 | 2.61 | 0.40 | 2.16 | 0.43 | 1.37 | 0.23 | 1.36 | 0.23 | 1.3 | 8.1  | 8.8  | 132 | 23.7 | 4.4  | 0.8  | 0.4  | <0.1 |
| 11-BCQ-0052 | Soil   |         |      |     | 29.4 | 5.06 | 0.92 | 4.05 | 0.64 | 3.58 | 0.75 | 2.40 | 0.35 | 2.13 | 0.35 | 0.4 | 4.2  | 10.3 | 37  | 9.5  | 2.2  | 0.1  | <0.1 | 0.2  |
| 11-BCQ-0024 | Soil   |         |      |     | 19.5 | 4.02 | 0.77 | 3.47 | 0.57 | 3.32 | 0.73 | 2.01 | 0.34 | 1.90 | 0.32 | 0.5 | 22.7 | 10.4 | 35  | 9.8  | 4.1  | 0.2  | 0.5  | 0.1  |
| 11-BCQ-0105 | Soil   |         |      |     | 13.0 | 2.57 | 0.54 | 1.96 | 0.33 | 1.91 | 0.37 | 1.03 | 0.16 | 1.01 | 0.14 | 0.3 | 4.0  | 12.1 | 55  | 7.1  | 5.1  | 0.2  | 0.2  | <0.1 |
| 11-BCQ-0112 | Soil   |         |      |     | 8.1  | 1.49 | 0.27 | 1.12 | 0.19 | 1.05 | 0.21 | 0.55 | 0.09 | 0.54 | 0.09 | 0.1 | 3.4  | 5.6  | 52  | 4.4  | 3.8  | 0.2  | 0.2  | <0.1 |
| 11-BSW-088  | Soil   |         |      |     | 14.8 | 2.76 | 0.55 | 2.31 | 0.40 | 2.34 | 0.52 | 1.59 | 0.23 | 1.47 | 0.24 | 2.0 | 8.9  | 7.6  | 68  | 14.1 | 5.1  | 0.7  | 0.4  | <0.1 |
| 11-BSW-055  | Soil   |         |      |     | 20.4 | 3.86 | 0.70 | 2.91 | 0.49 | 3.03 | 0.63 | 1.84 | 0.31 | 1.97 | 0.31 | 0.8 | 8.3  | 5.8  | 20  | 5.3  | 3.5  | <0.1 | 0.2  | 0.2  |
| 11-BSW-072  | Soil   |         |      |     | 18.8 | 4.27 | 0.88 | 3.88 | 0.67 | 3.90 | 0.81 | 2.40 | 0.35 | 2.22 | 0.35 | 1.8 | 21.0 | 10.4 | 129 | 41.9 | 5.5  | 0.5  | 0.3  | 0.2  |
| 11-BSW-087  | Soil   |         |      |     | 13.9 | 2.71 | 0.58 | 2.12 | 0.38 | 2.28 | 0.48 | 1.37 | 0.23 | 1.48 | 0.25 | 2.7 | 10.7 | 11.1 | 68  | 18.5 | 6.0  | 0.6  | 0.4  | 0.1  |
| 11-BSW-059  | Soil   |         |      |     | 27.6 | 4.42 | 0.84 | 3.27 | 0.56 | 3.09 | 0.69 | 2.12 | 0.33 | 2.15 | 0.33 | 1.8 | 13.4 | 13.8 | 53  | 13.0 | 7.7  | 0.1  | 0.3  | 0.2  |



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**Project:** TING\_RG

**Report Date:** July 16, 2011

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## CERTIFICATE OF ANALYSIS

VAN11002656.1

|             |      | Method  | 1DX  | 1DX  | 1DX   | 1DX  | 1DX  |
|-------------|------|---------|------|------|-------|------|------|
|             |      | Analyte | Ag   | Au   | Hg    | Tl   | Se   |
|             |      | Unit    | ppm  | ppb  | ppm   | ppm  | ppm  |
|             |      | MDL     | 0.1  | 0.5  | 0.01  | 0.1  | 0.5  |
| 11-BSW-125  | Soil |         | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0098 | Soil |         | <0.1 | 1.5  | 0.05  | 0.3  | 2.0  |
| 11-BCQ-0117 | Soil |         | <0.1 | <0.5 | 0.01  | <0.1 | 0.6  |
| 11-BCQ-0095 | Soil |         | 0.4  | <0.5 | 0.03  | 0.1  | 0.6  |
| 11-BCQ-0120 | Soil |         | <0.1 | 0.9  | 0.07  | 0.2  | 0.7  |
| 11-BCQ-0037 | Soil |         | <0.1 | 0.9  | 0.03  | 0.1  | 0.8  |
| 11-BCQ-0124 | Soil |         | <0.1 | 0.6  | 0.02  | <0.1 | <0.5 |
| 11-BCQ-0099 | Soil |         | 0.4  | 2.3  | 0.06  | 0.3  | 0.6  |
| 11-BCQ-0029 | Soil |         | <0.1 | 0.6  | 0.06  | 0.2  | 1.2  |
| 11-BCQ-0053 | Soil |         | <0.1 | <0.5 | 0.01  | <0.1 | <0.5 |
| 11-BCQ-0115 | Soil |         | <0.1 | <0.5 | 0.01  | <0.1 | <0.5 |
| 11-BCQ-0035 | Soil |         | <0.1 | 0.7  | 0.04  | 0.5  | 1.0  |
| 11-BCQ-0103 | Soil |         | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0110 | Soil |         | <0.1 | 0.6  | 0.03  | <0.1 | 0.5  |
| 11-BCQ-0123 | Soil |         | <0.1 | 1.0  | 0.04  | 0.1  | 0.7  |
| 11-BCQ-0107 | Soil |         | <0.1 | <0.5 | <0.01 | 0.1  | <0.5 |
| 11-BCQ-0122 | Soil |         | <0.1 | <0.5 | 0.01  | <0.1 | <0.5 |
| 11-BCQ-0021 | Soil |         | <0.1 | <0.5 | 0.04  | <0.1 | 0.8  |
| 11-BCQ-0116 | Soil |         | <0.1 | <0.5 | 0.01  | <0.1 | <0.5 |
| 11-BCQ-0104 | Soil |         | <0.1 | 0.9  | 0.03  | <0.1 | <0.5 |
| 11-BCQ-0040 | Soil |         | <0.1 | <0.5 | 0.03  | 0.3  | 1.0  |
| 11-BCQ-0052 | Soil |         | <0.1 | <0.5 | <0.01 | 0.1  | <0.5 |
| 11-BCQ-0024 | Soil |         | <0.1 | 1.4  | 0.04  | <0.1 | 0.7  |
| 11-BCQ-0105 | Soil |         | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0112 | Soil |         | <0.1 | <0.5 | 0.02  | 0.1  | <0.5 |
| 11-BSW-088  | Soil |         | 0.1  | 0.6  | 0.04  | <0.1 | 2.0  |
| 11-BSW-055  | Soil |         | <0.1 | <0.5 | 0.01  | <0.1 | <0.5 |
| 11-BSW-072  | Soil |         | 0.1  | <0.5 | 0.03  | <0.1 | 1.8  |
| 11-BSW-087  | Soil |         | <0.1 | <0.5 | 0.02  | <0.1 | 1.4  |
| 11-BSW-059  | Soil |         | <0.1 | <0.5 | 0.02  | 0.2  | <0.5 |



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Project: TING\_RG

Report Date: July 16, 2011

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## CERTIFICATE OF ANALYSIS

VAN11002656.1

|             | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B  | 4B   | 4B  | 4B   | 4B   | 4B   | 4B    | 4B  | 4B    | 4B  | 4B   | 4B  | 4B  | 4B   | 4B    | 4B   | 4B   |
|-------------|----------------------------------|------|-----|------|-----|------|------|------|-------|-----|-------|-----|------|-----|-----|------|-------|------|------|
|             |                                  | Ba   | Be  | Co   | Cs  | Ga   | Hf   | Nb   | Rb    | Sn  | Sr    | Ta  | Th   | U   | V   | W    | Zr    | Y    | La   |
|             |                                  | ppm  | ppm | ppm  | ppm | ppm  | ppm  | ppm  | ppm   | ppm | ppm   | ppm | ppm  | ppm | ppm | ppm  | ppm   | ppm  | ppm  |
|             |                                  | 1    | 1   | 0.2  | 0.1 | 0.5  | 0.1  | 0.1  | 0.1   | 1   | 0.5   | 0.1 | 0.2  | 0.1 | 8   | 0.5  | 0.1   | 0.1  | 0.1  |
| 11-BSW-082  | Soil                             | 450  | <1  | 5.0  | 1.8 | 5.1  | 8.9  | 6.1  | 31.7  | <1  | 56.6  | 0.4 | 4.4  | 2.2 | 66  | 0.6  | 389.8 | 14.9 | 14.7 |
| 11-BSW-080  | Soil                             | 422  | 2   | 4.4  | 2.1 | 6.6  | 10.7 | 7.9  | 39.7  | 1   | 72.4  | 0.5 | 6.1  | 3.5 | 71  | 0.6  | 455.5 | 18.8 | 19.3 |
| 11-BSW-066  | Soil                             | 835  | 4   | 11.4 | 7.7 | 21.4 | 8.4  | 22.7 | 123.4 | 2   | 70.7  | 1.6 | 20.5 | 7.0 | 177 | 3.8  | 312.3 | 54.9 | 35.2 |
| 11-BSW-063  | Soil                             | 396  | 1   | 4.5  | 1.7 | 5.5  | 8.2  | 16.6 | 32.6  | 1   | 45.4  | 1.0 | 6.0  | 2.1 | 75  | 1.3  | 335.8 | 14.1 | 25.9 |
| 11-BSW-098  | Soil                             | 814  | 3   | 7.5  | 4.7 | 13.5 | 7.5  | 17.2 | 93.9  | 2   | 107.6 | 1.1 | 13.0 | 3.1 | 96  | 7.3  | 270.8 | 22.3 | 34.4 |
| 11-BSW-027  | Soil                             | 675  | 1   | 9.2  | 6.5 | 18.7 | 6.7  | 21.4 | 104.6 | 3   | 175.6 | 1.5 | 8.8  | 2.9 | 128 | 1.6  | 269.1 | 18.4 | 30.9 |
| 11-BSW-093  | Soil                             | 1242 | <1  | 6.3  | 3.6 | 8.4  | 12.6 | 8.7  | 60.6  | 2   | 59.7  | 0.7 | 7.8  | 5.4 | 212 | 0.7  | 479.5 | 26.6 | 26.6 |
| 11-MGB-064  | Soil                             | 277  | 4   | 7.6  | 5.6 | 14.3 | 5.4  | 29.9 | 104.5 | 2   | 73.7  | 1.9 | 12.5 | 3.0 | 80  | 1.3  | 229.1 | 20.8 | 38.3 |
| 11-MGB-049  | Soil                             | 793  | 1   | 8.3  | 2.3 | 5.9  | 8.1  | 9.1  | 40.0  | 1   | 51.9  | 0.6 | 6.1  | 6.4 | 123 | 0.8  | 312.0 | 18.6 | 24.5 |
| 11-MGB-068  | Soil                             | 348  | 1   | 4.2  | 2.3 | 10.1 | 8.3  | 22.2 | 46.2  | 2   | 65.3  | 1.6 | 7.9  | 2.5 | 78  | 1.4  | 327.2 | 16.8 | 31.9 |
| 11-MGB-051  | Soil                             | 792  | 1   | 5.3  | 1.6 | 4.3  | 6.9  | 5.2  | 20.3  | <1  | 71.5  | 0.3 | 4.2  | 2.5 | 107 | <0.5 | 253.5 | 14.9 | 13.1 |
| 11-MGB-087  | Soil                             | 446  | 2   | 27.5 | 6.2 | 17.7 | 5.8  | 25.9 | 50.7  | 1   | 75.6  | 1.6 | 6.1  | 1.7 | 220 | 1.9  | 222.3 | 15.7 | 24.4 |
| 11-MGB-037  | Soil                             | 298  | <1  | 3.1  | 1.5 | 3.9  | 7.5  | 11.6 | 28.6  | <1  | 52.9  | 0.7 | 4.9  | 1.5 | 43  | 0.8  | 288.9 | 11.9 | 20.1 |
| 11-AAB-0029 | Soil                             | 162  | 2   | 4.0  | 1.3 | 3.6  | 8.9  | 9.3  | 24.2  | <1  | 34.7  | 0.5 | 4.0  | 1.6 | 29  | 1.0  | 352.5 | 12.8 | 21.0 |
| 11-AAB-0040 | Soil                             | 739  | 2   | 6.8  | 1.9 | 6.3  | 9.8  | 9.4  | 36.5  | <1  | 57.1  | 0.5 | 6.3  | 2.1 | 69  | 0.7  | 364.3 | 18.4 | 18.7 |
| 11-AAB-0065 | Soil                             | 646  | 2   | 3.5  | 2.9 | 15.0 | 6.5  | 15.5 | 59.2  | 2   | 222.3 | 1.1 | 8.5  | 2.7 | 75  | 3.6  | 264.9 | 14.3 | 28.0 |
| 11-AAB-0034 | Soil                             | 528  | 2   | 6.9  | 2.8 | 10.3 | 11.4 | 37.4 | 68.1  | 1   | 174.3 | 1.9 | 13.0 | 4.0 | 77  | 2.2  | 478.3 | 20.6 | 38.2 |
| 11-AAB-0015 | Soil                             | 608  | 2   | 5.9  | 3.2 | 12.0 | 8.0  | 17.0 | 73.7  | 2   | 92.0  | 1.1 | 9.1  | 3.0 | 110 | 1.5  | 304.6 | 19.4 | 32.0 |
| 11-AAB-0043 | Soil                             | 537  | 1   | 6.8  | 2.0 | 6.1  | 5.0  | 8.2  | 38.9  | <1  | 62.2  | 0.4 | 5.4  | 2.2 | 83  | <0.5 | 216.0 | 14.7 | 18.2 |
| 11-AAB-0032 | Soil                             | 510  | 4   | 14.5 | 4.6 | 14.0 | 6.0  | 11.2 | 84.4  | 1   | 96.2  | 0.7 | 9.8  | 3.4 | 133 | 1.0  | 197.4 | 24.1 | 30.5 |
| 11-BCQ-0126 | Soil                             | 529  | 2   | 3.5  | 1.9 | 4.0  | 3.5  | 7.8  | 36.7  | <1  | 104.6 | 0.5 | 4.9  | 1.4 | 53  | 0.7  | 155.6 | 10.3 | 17.6 |
| 11-BCQ-0050 | Soil                             | 654  | <1  | 4.0  | 3.0 | 12.7 | 7.6  | 20.0 | 68.1  | 2   | 108.0 | 1.3 | 10.4 | 2.8 | 90  | 1.6  | 321.2 | 18.4 | 34.4 |
| 11-BCQ-0034 | Soil                             | 258  | <1  | 3.0  | 1.0 | 3.4  | 10.2 | 10.6 | 20.5  | <1  | 41.7  | 0.7 | 4.3  | 3.1 | 57  | 0.8  | 416.0 | 13.5 | 25.7 |
| 11-BCQ-0102 | Soil                             | 417  | <1  | 3.7  | 1.4 | 5.2  | 6.0  | 7.6  | 33.8  | <1  | 77.8  | 0.5 | 5.5  | 1.8 | 98  | 0.9  | 213.6 | 11.0 | 20.4 |
| 11-BCQ-0032 | Soil                             | 258  | <1  | 8.3  | 1.6 | 4.7  | 14.6 | 16.8 | 27.1  | <1  | 33.8  | 0.9 | 6.7  | 2.8 | 101 | 1.2  | 621.0 | 16.1 | 44.2 |
| 11-BCQ-0100 | Soil                             | 552  | 1   | 5.8  | 6.4 | 9.1  | 5.2  | 13.5 | 78.8  | 1   | 117.7 | 0.7 | 6.1  | 2.0 | 93  | 4.7  | 203.4 | 14.2 | 22.3 |
| 11-BCQ-0026 | Soil                             | 243  | <1  | 4.6  | 1.1 | 3.2  | 5.0  | 7.5  | 26.0  | <1  | 29.0  | 0.5 | 4.2  | 1.2 | 41  | 0.9  | 178.2 | 10.2 | 18.5 |
| 11-BCQ-0043 | Soil                             | 326  | 1   | 3.4  | 1.6 | 5.0  | 12.8 | 16.7 | 35.7  | 1   | 35.7  | 1.0 | 6.4  | 2.8 | 130 | 1.2  | 490.6 | 19.0 | 29.6 |
| 11-BCQ-0081 | Soil                             | 662  | 2   | 5.1  | 3.3 | 15.7 | 8.4  | 23.1 | 79.4  | 3   | 115.3 | 1.8 | 10.3 | 3.1 | 111 | 2.0  | 314.6 | 20.3 | 32.9 |
| 11-BCQ-0028 | Soil                             | 191  | <1  | 7.6  | 1.9 | 6.3  | 9.7  | 14.3 | 41.7  | 1   | 33.2  | 1.0 | 7.6  | 2.2 | 70  | 1.4  | 392.0 | 19.6 | 32.4 |



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Project: TING\_RG

Report Date: July 16, 2011

Page: 4 of 7 Part 2

## CERTIFICATE OF ANALYSIS

VAN11002656.1

|             | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 1DX  | 1DX | 1DX  | 1DX  | 1DX | 1DX  | 1DX  | 1DX  |
|-------------|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|-----|------|------|------|
|             |                                  | Nd   | Sm   | Eu   | Gd   | Tb   | Dy   | Ho   | Er   | Tm   | Yb   | Lu   | Mo  | Cu   | Pb   | Zn  | Ni   | As   | Cd   |
|             |                                  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm | ppm  | ppm  | ppm | ppm  | ppm  | ppm  |
|             |                                  | 0.3  | 0.05 | 0.02 | 0.05 | 0.01 | 0.05 | 0.02 | 0.03 | 0.01 | 0.05 | 0.01 | 0.1 | 0.1  | 0.1  | 1   | 0.1  | 0.5  | 0.1  |
| 11-BSW-082  | Soil                             | 13.0 | 2.52 | 0.54 | 2.20 | 0.38 | 2.22 | 0.50 | 1.55 | 0.26 | 1.55 | 0.26 | 1.4 | 7.2  | 6.5  | 57  | 13.6 | 3.8  | 0.3  |
| 11-BSW-080  | Soil                             | 16.2 | 3.25 | 0.61 | 2.76 | 0.46 | 2.73 | 0.60 | 1.86 | 0.29 | 1.98 | 0.30 | 0.7 | 6.5  | 6.0  | 41  | 11.4 | 2.2  | 0.3  |
| 11-BSW-066  | Soil                             | 36.5 | 8.64 | 1.61 | 8.79 | 1.41 | 7.72 | 1.71 | 5.07 | 0.77 | 5.23 | 0.78 | 1.3 | 37.3 | 12.8 | 44  | 32.3 | 12.0 | 0.5  |
| 11-BSW-063  | Soil                             | 18.6 | 3.11 | 0.57 | 2.31 | 0.38 | 2.15 | 0.47 | 1.38 | 0.24 | 1.44 | 0.23 | 2.5 | 8.3  | 12.1 | 30  | 9.0  | 6.9  | <0.1 |
| 11-BSW-098  | Soil                             | 27.4 | 5.16 | 1.00 | 4.31 | 0.68 | 4.03 | 0.79 | 2.30 | 0.35 | 2.19 | 0.36 | 1.7 | 13.3 | 53.3 | 210 | 18.0 | 18.7 | 0.3  |
| 11-BSW-027  | Soil                             | 24.8 | 4.32 | 0.79 | 3.40 | 0.56 | 3.24 | 0.68 | 2.04 | 0.33 | 2.06 | 0.30 | 1.3 | 10.0 | 13.2 | 42  | 6.6  | 1.3  | 0.1  |
| 11-BSW-093  | Soil                             | 23.0 | 4.45 | 0.93 | 4.12 | 0.69 | 4.06 | 0.90 | 2.54 | 0.39 | 2.64 | 0.41 | 5.6 | 22.4 | 12.6 | 68  | 20.8 | 8.2  | 0.6  |
| 11-MGB-064  | Soil                             | 27.1 | 5.07 | 1.11 | 4.23 | 0.67 | 3.69 | 0.82 | 2.16 | 0.33 | 2.08 | 0.32 | 0.5 | 15.3 | 18.2 | 19  | 12.0 | 2.9  | 0.1  |
| 11-MGB-049  | Soil                             | 18.8 | 3.73 | 0.70 | 3.18 | 0.50 | 2.85 | 0.62 | 1.79 | 0.27 | 1.71 | 0.27 | 4.2 | 11.3 | 8.3  | 105 | 16.8 | 25.4 | 0.8  |
| 11-MGB-068  | Soil                             | 23.9 | 3.95 | 0.64 | 2.89 | 0.45 | 2.86 | 0.55 | 1.66 | 0.29 | 1.88 | 0.30 | 1.0 | 5.9  | 10.5 | 23  | 7.6  | 4.8  | 0.1  |
| 11-MGB-051  | Soil                             | 10.8 | 2.16 | 0.44 | 2.13 | 0.35 | 2.06 | 0.46 | 1.34 | 0.19 | 1.34 | 0.19 | 5.3 | 9.8  | 12.8 | 93  | 21.5 | 9.6  | 0.7  |
| 11-MGB-087  | Soil                             | 20.3 | 3.95 | 1.01 | 3.29 | 0.56 | 3.07 | 0.59 | 1.72 | 0.26 | 1.72 | 0.26 | 0.6 | 21.9 | 11.0 | 69  | 60.0 | 9.8  | 0.1  |
| 11-MGB-037  | Soil                             | 17.7 | 2.91 | 0.54 | 2.30 | 0.36 | 2.09 | 0.40 | 1.24 | 0.17 | 1.21 | 0.18 | 0.2 | 4.1  | 5.8  | 25  | 4.3  | 1.3  | 0.1  |
| 11-AAB-0029 | Soil                             | 18.3 | 3.39 | 0.59 | 2.46 | 0.35 | 1.88 | 0.45 | 1.23 | 0.19 | 1.27 | 0.21 | 0.2 | 7.6  | 6.0  | 32  | 5.3  | 1.4  | 0.2  |
| 11-AAB-0040 | Soil                             | 18.0 | 3.75 | 0.76 | 3.18 | 0.52 | 3.08 | 0.59 | 1.83 | 0.27 | 1.72 | 0.27 | 1.1 | 8.9  | 7.5  | 53  | 13.9 | 4.7  | 0.3  |
| 11-AAB-0065 | Soil                             | 22.8 | 3.76 | 0.70 | 2.89 | 0.44 | 2.52 | 0.51 | 1.54 | 0.24 | 1.70 | 0.26 | 0.9 | 3.5  | 26.1 | 48  | 2.6  | 1.1  | 0.2  |
| 11-AAB-0034 | Soil                             | 22.6 | 4.28 | 0.88 | 3.54 | 0.60 | 3.21 | 0.72 | 2.27 | 0.35 | 2.12 | 0.35 | 1.6 | 9.2  | 9.5  | 56  | 14.1 | 4.6  | 0.2  |
| 11-AAB-0015 | Soil                             | 25.0 | 4.34 | 0.79 | 3.28 | 0.56 | 3.16 | 0.67 | 2.03 | 0.31 | 2.02 | 0.32 | 1.2 | 22.9 | 9.0  | 46  | 12.2 | 7.3  | <0.1 |
| 11-AAB-0043 | Soil                             | 15.7 | 2.82 | 0.60 | 2.70 | 0.43 | 2.46 | 0.48 | 1.47 | 0.23 | 1.47 | 0.23 | 1.6 | 12.1 | 9.6  | 62  | 17.4 | 5.5  | 0.4  |
| 11-AAB-0032 | Soil                             | 26.1 | 5.44 | 1.09 | 4.50 | 0.74 | 4.22 | 0.85 | 2.65 | 0.39 | 2.46 | 0.38 | 1.3 | 28.0 | 15.1 | 123 | 44.1 | 9.2  | 0.7  |
| 11-BCQ-0126 | Soil                             | 13.9 | 2.61 | 0.54 | 2.28 | 0.35 | 1.96 | 0.39 | 1.10 | 0.15 | 1.08 | 0.15 | 0.5 | 5.1  | 11.3 | 60  | 7.4  | 5.2  | 0.6  |
| 11-BCQ-0050 | Soil                             | 27.0 | 4.66 | 0.83 | 3.59 | 0.59 | 3.23 | 0.66 | 2.03 | 0.30 | 2.16 | 0.31 | 0.9 | 4.7  | 10.1 | 47  | 7.7  | 3.7  | 0.2  |
| 11-BCQ-0034 | Soil                             | 19.6 | 3.23 | 0.59 | 2.47 | 0.38 | 2.25 | 0.49 | 1.53 | 0.24 | 1.64 | 0.26 | 0.7 | 4.4  | 4.0  | 97  | 9.6  | 1.2  | 0.7  |
| 11-BCQ-0102 | Soil                             | 17.1 | 2.91 | 0.53 | 2.58 | 0.36 | 2.06 | 0.38 | 1.14 | 0.20 | 1.16 | 0.17 | 0.3 | 3.4  | 5.9  | 45  | 6.5  | 3.1  | 0.4  |
| 11-BCQ-0032 | Soil                             | 32.9 | 4.88 | 0.88 | 3.52 | 0.51 | 2.79 | 0.56 | 1.67 | 0.32 | 2.00 | 0.35 | 1.0 | 9.3  | 28.6 | 91  | 15.2 | 12.7 | 0.7  |
| 11-BCQ-0100 | Soil                             | 19.3 | 3.38 | 0.78 | 2.95 | 0.44 | 2.69 | 0.53 | 1.62 | 0.25 | 1.44 | 0.24 | 3.6 | 11.6 | 38.4 | 105 | 8.6  | 14.5 | 0.4  |
| 11-BCQ-0026 | Soil                             | 15.8 | 2.64 | 0.48 | 2.05 | 0.32 | 1.72 | 0.36 | 1.04 | 0.17 | 1.11 | 0.17 | 0.4 | 8.6  | 7.6  | 112 | 8.8  | 3.7  | 1.2  |
| 11-BCQ-0043 | Soil                             | 22.7 | 3.39 | 0.72 | 3.05 | 0.50 | 2.78 | 0.58 | 1.86 | 0.30 | 2.05 | 0.32 | 1.1 | 7.6  | 6.5  | 80  | 14.1 | 6.9  | 0.9  |
| 11-BCQ-0081 | Soil                             | 26.6 | 4.78 | 0.84 | 3.74 | 0.65 | 3.37 | 0.67 | 2.10 | 0.34 | 2.08 | 0.35 | 1.2 | 8.0  | 14.2 | 90  | 10.4 | 4.1  | 0.3  |
| 11-BCQ-0028 | Soil                             | 26.1 | 4.54 | 0.96 | 3.99 | 0.63 | 3.20 | 0.65 | 1.97 | 0.31 | 2.03 | 0.33 | 0.6 | 20.7 | 11.1 | 56  | 12.4 | 4.1  | 0.4  |



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**Project:** TING\_RG  
**Report Date:** July 16, 2011

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## CERTIFICATE OF ANALYSIS

VAN11002656.1

|             | Method<br>Analyte<br>Unit<br>MDL | 1DX  | 1DX  | 1DX   | 1DX  | 1DX  |
|-------------|----------------------------------|------|------|-------|------|------|
|             |                                  | Ag   | Au   | Hg    | Tl   | Se   |
|             |                                  | ppm  | ppb  | ppm   | ppm  | ppm  |
|             |                                  | 0.1  | 0.5  | 0.01  | 0.1  | 0.5  |
| 11-BSW-082  | Soil                             | <0.1 | <0.5 | 0.01  | <0.1 | 1.1  |
| 11-BSW-080  | Soil                             | <0.1 | <0.5 | 0.03  | <0.1 | 1.0  |
| 11-BSW-066  | Soil                             | 0.4  | <0.5 | 0.13  | 0.2  | 1.0  |
| 11-BSW-063  | Soil                             | <0.1 | <0.5 | <0.01 | 0.1  | <0.5 |
| 11-BSW-098  | Soil                             | 0.3  | <0.5 | 0.05  | 0.3  | <0.5 |
| 11-BSW-027  | Soil                             | <0.1 | <0.5 | 0.01  | 0.1  | <0.5 |
| 11-BSW-093  | Soil                             | 0.3  | 0.9  | 0.08  | 0.2  | 3.7  |
| 11-MGB-064  | Soil                             | 0.1  | 0.5  | 0.03  | 0.1  | <0.5 |
| 11-MGB-049  | Soil                             | 0.2  | 0.6  | 0.08  | 0.2  | 2.1  |
| 11-MGB-068  | Soil                             | <0.1 | 1.9  | <0.01 | 0.1  | <0.5 |
| 11-MGB-051  | Soil                             | 0.2  | <0.5 | 0.03  | 0.1  | 1.7  |
| 11-MGB-087  | Soil                             | <0.1 | <0.5 | 0.01  | 0.2  | <0.5 |
| 11-MGB-037  | Soil                             | <0.1 | <0.5 | 0.02  | <0.1 | <0.5 |
| 11-AAB-0029 | Soil                             | <0.1 | <0.5 | 0.02  | <0.1 | 0.5  |
| 11-AAB-0040 | Soil                             | <0.1 | <0.5 | 0.03  | 0.1  | <0.5 |
| 11-AAB-0065 | Soil                             | 0.1  | <0.5 | 0.01  | 0.1  | <0.5 |
| 11-AAB-0034 | Soil                             | <0.1 | 0.8  | 0.02  | <0.1 | 0.5  |
| 11-AAB-0015 | Soil                             | <0.1 | <0.5 | 0.02  | <0.1 | <0.5 |
| 11-AAB-0043 | Soil                             | <0.1 | <0.5 | 0.02  | <0.1 | 0.8  |
| 11-AAB-0032 | Soil                             | 0.1  | 0.7  | 0.04  | 0.1  | 1.7  |
| 11-BCQ-0126 | Soil                             | <0.1 | <0.5 | 0.02  | 0.1  | <0.5 |
| 11-BCQ-0050 | Soil                             | <0.1 | <0.5 | 0.02  | <0.1 | <0.5 |
| 11-BCQ-0034 | Soil                             | <0.1 | <0.5 | 0.03  | 0.2  | 0.5  |
| 11-BCQ-0102 | Soil                             | <0.1 | <0.5 | 0.02  | <0.1 | <0.5 |
| 11-BCQ-0032 | Soil                             | <0.1 | <0.5 | 0.02  | 0.2  | 0.6  |
| 11-BCQ-0100 | Soil                             | 0.2  | <0.5 | 0.01  | 0.2  | 0.6  |
| 11-BCQ-0026 | Soil                             | <0.1 | <0.5 | 0.02  | 0.1  | 0.7  |
| 11-BCQ-0043 | Soil                             | <0.1 | <0.5 | 0.06  | 0.2  | 0.6  |
| 11-BCQ-0081 | Soil                             | 0.2  | <0.5 | 0.02  | 0.1  | <0.5 |
| 11-BCQ-0028 | Soil                             | <0.1 | <0.5 | 0.03  | <0.1 | 0.6  |



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Project: TING\_RG

Report Date: July 16, 2011

Page: 5 of 7 Part 1

## CERTIFICATE OF ANALYSIS

VAN11002656.1

|             | Method<br>Analyte<br>Unit<br>MDL | 4B       | 4B       | 4B         | 4B         | 4B         | 4B         | 4B         | 4B         | 4B       | 4B         | 4B         | 4B         | 4B         | 4B       | 4B         | 4B         | 4B         | 4B         | 4B         | 4B          |
|-------------|----------------------------------|----------|----------|------------|------------|------------|------------|------------|------------|----------|------------|------------|------------|------------|----------|------------|------------|------------|------------|------------|-------------|
|             |                                  | Ba       | Be       | Co         | Cs         | Ga         | Hf         | Nb         | Rb         | Sn       | Sr         | Ta         | Th         | U          | V        | W          | Zr         | Y          | La         | Ce         | Pr          |
|             |                                  | ppm<br>1 | ppm<br>1 | ppm<br>0.2 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.5 | ppm<br>0.1 | ppm<br>0.2 | ppm<br>0.1 | ppm<br>8 | ppm<br>0.5 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.02 |
| 11-BCQ-0045 | Soil                             | 171      | <1       | 2.8        | 1.0        | 3.6        | 10.2       | 11.6       | 23.1       | <1       | 25.2       | 0.8        | 4.2        | 1.5        | 53       | 1.0        | 396.6      | 17.4       | 22.9       | 46.0       | 5.08        |
| 11-BCQ-0030 | Soil                             | 315      | <1       | 8.6        | 4.5        | 7.1        | 7.8        | 15.3       | 43.5       | 1        | 38.0       | 0.8        | 6.2        | 1.9        | 76       | 1.2        | 282.5      | 19.2       | 26.6       | 54.2       | 6.46        |
| 11-BCQ-0041 | Soil                             | 459      | 1        | 5.6        | 2.1        | 6.6        | 9.2        | 14.1       | 44.3       | 1        | 47.2       | 0.9        | 8.0        | 5.6        | 200      | 1.2        | 293.5      | 22.2       | 33.3       | 59.0       | 7.29        |
| 11-BCQ-0109 | Soil                             | 237      | <1       | 3.3        | 2.1        | 3.1        | 3.0        | 6.8        | 24.4       | <1       | 69.4       | 0.4        | 3.1        | 1.2        | 38       | 0.5        | 104.0      | 8.7        | 14.0       | 29.1       | 3.35        |
| 11-BCQ-0027 | Soil                             | 275      | 2        | 8.6        | 3.4        | 7.1        | 5.3        | 12.0       | 47.7       | 1        | 42.3       | 0.8        | 6.5        | 2.0        | 71       | 0.6        | 214.7      | 20.4       | 21.7       | 45.0       | 5.42        |
| 11-BCQ-0056 | Soil                             | 539      | 2        | 4.5        | 2.7        | 11.7       | 8.8        | 19.1       | 56.0       | 2        | 104.1      | 1.3        | 9.7        | 2.6        | 79       | 1.3        | 334.9      | 18.4       | 30.3       | 60.8       | 6.69        |
| 11-BCQ-0020 | Soil                             | 206      | <1       | 4.6        | 0.8        | 3.9        | 8.3        | 10.3       | 26.9       | <1       | 33.6       | 0.7        | 5.5        | 1.8        | 41       | 1.0        | 305.9      | 13.5       | 19.1       | 39.7       | 4.70        |
| 11-BCQ-0054 | Soil                             | 616      | 1        | 4.0        | 2.8        | 15.3       | 8.5        | 24.7       | 63.2       | 3        | 130.1      | 1.7        | 10.1       | 3.2        | 98       | 1.6        | 324.1      | 19.6       | 37.0       | 73.9       | 8.19        |
| 11-BSW-076  | Soil                             | 521      | 1        | 4.3        | 1.2        | 4.2        | 22.3       | 6.7        | 22.6       | <1       | 44.1       | 0.5        | 6.0        | 3.1        | 63       | 0.8        | 904.4      | 17.1       | 16.5       | 31.5       | 3.86        |
| 11-BSW-095  | Soil                             | 534      | <1       | 11.2       | 8.6        | 14.8       | 5.3        | 24.5       | 70.4       | 1        | 126.0      | 1.5        | 7.0        | 2.9        | 122      | 4.1        | 191.2      | 15.5       | 30.6       | 62.4       | 6.53        |
| 11-BSW-086  | Soil                             | 394      | <1       | 3.6        | 1.8        | 5.0        | 9.5        | 7.7        | 35.6       | 1        | 63.2       | 0.6        | 5.0        | 2.8        | 69       | 0.8        | 351.1      | 17.4       | 18.5       | 33.9       | 4.16        |
| 11-BSW-101  | Soil                             | 720      | 1        | 5.8        | 5.2        | 9.2        | 5.3        | 12.4       | 72.6       | 2        | 90.5       | 1.0        | 9.5        | 3.0        | 67       | 2.5        | 225.3      | 18.2       | 30.1       | 53.6       | 6.68        |
| 11-BSW-081  | Soil                             | 428      | 1        | 4.4        | 1.4        | 4.3        | 12.4       | 6.6        | 25.7       | 1        | 61.4       | 0.4        | 4.6        | 2.6        | 61       | 0.7        | 469.5      | 14.2       | 13.9       | 27.1       | 3.23        |
| 11-BSW-094  | Soil                             | 598      | <1       | 14.8       | 4.4        | 15.4       | 6.3        | 25.8       | 70.8       | 2        | 83.0       | 1.7        | 7.6        | 2.5        | 150      | 5.5        | 231.8      | 14.8       | 28.4       | 57.0       | 6.33        |
| 11-BSW-047  | Soil                             | 656      | <1       | 3.8        | 2.4        | 2.9        | 3.4        | 3.5        | 21.6       | <1       | 42.7       | 0.2        | 3.2        | 2.3        | 25       | <0.5       | 124.4      | 14.1       | 10.3       | 16.2       | 2.63        |
| 11-BSW-071  | Soil                             | 425      | 1        | 4.7        | 2.4        | 7.6        | 19.2       | 8.3        | 39.4       | <1       | 90.5       | 0.6        | 7.0        | 3.0        | 85       | 1.0        | 719.9      | 19.0       | 23.1       | 42.4       | 5.43        |
| 11-BSW-035  | Soil                             | 767      | 2        | 18.0       | 3.9        | 13.2       | 7.4        | 18.1       | 59.5       | 2        | 115.5      | 1.3        | 12.1       | 4.1        | 80       | 1.3        | 290.3      | 23.8       | 36.7       | 82.6       | 8.69        |
| 11-BSW-099  | Soil                             | 636      | 1        | 8.1        | 6.3        | 12.8       | 8.1        | 13.0       | 136.8      | 2        | 125.1      | 0.8        | 10.6       | 3.0        | 63       | 29.1       | 291.0      | 22.8       | 36.7       | 67.5       | 8.09        |
| 11-BSW-017  | Soil                             | 659      | 2        | 5.5        | 3.2        | 14.0       | 9.1        | 20.4       | 64.6       | 2        | 130.0      | 1.4        | 9.6        | 2.8        | 89       | 1.6        | 337.4      | 19.3       | 34.6       | 68.1       | 7.75        |
| 11-BSW-060  | Soil                             | 538      | <1       | 4.0        | 2.5        | 11.6       | 8.9        | 19.6       | 60.1       | 2        | 97.5       | 1.4        | 8.2        | 2.9        | 89       | 1.8        | 341.3      | 18.7       | 34.4       | 70.8       | 8.06        |
| 11-BSW-043  | Soil                             | 611      | 1        | 4.2        | 3.1        | 12.4       | 9.2        | 20.5       | 66.8       | 2        | 118.1      | 1.3        | 8.8        | 2.8        | 83       | 1.7        | 340.0      | 20.5       | 32.3       | 64.6       | 7.18        |
| 11-BSW-104  | Soil                             | 491      | 2        | 7.6        | 5.7        | 11.1       | 6.8        | 15.6       | 93.6       | 2        | 74.5       | 1.0        | 11.3       | 2.7        | 80       | 3.0        | 245.6      | 23.4       | 38.7       | 57.9       | 8.86        |
| 11-BSW-044  | Soil                             | 421      | 1        | 14.7       | 3.2        | 11.1       | 10.1       | 12.8       | 94.8       | 2        | 60.4       | 1.0        | 8.4        | 2.8        | 72       | 1.5        | 370.6      | 17.2       | 27.5       | 56.5       | 6.38        |
| 11-BSW-053  | Soil                             | 684      | <1       | 2.8        | 1.6        | 9.5        | 11.2       | 20.3       | 41.6       | 2        | 80.7       | 1.2        | 7.5        | 2.7        | 60       | 1.5        | 404.7      | 17.9       | 29.0       | 58.3       | 6.56        |
| 11-BSW-073  | Soil                             | 601      | <1       | 4.5        | 1.9        | 6.8        | 9.8        | 6.9        | 40.3       | 1        | 62.7       | 0.4        | 5.8        | 3.5        | 83       | 0.7        | 384.9      | 17.0       | 18.7       | 35.4       | 4.46        |
| 11-BSW-092  | Soil                             | 451      | 2        | 7.3        | 1.4        | 5.7        | 7.9        | 6.3        | 35.2       | <1       | 49.6       | 0.5        | 5.0        | 2.6        | 76       | <0.5       | 311.4      | 13.1       | 17.3       | 33.5       | 4.16        |
| 11-BSW-078  | Soil                             | 413      | <1       | 4.5        | 2.4        | 6.2        | 12.3       | 6.4        | 37.7       | <1       | 56.0       | 0.4        | 5.8        | 3.1        | 67       | 1.1        | 466.1      | 16.7       | 16.9       | 30.0       | 4.03        |
| 11-BSW-069  | Soil                             | 582      | 2        | 17.8       | 3.6        | 13.4       | 7.9        | 18.6       | 62.1       | 2        | 73.4       | 1.1        | 10.2       | 3.1        | 124      | 1.9        | 304.1      | 15.8       | 29.2       | 58.1       | 6.50        |
| 11-BSW-089  | Soil                             | 728      | <1       | 4.1        | 1.1        | 4.9        | 11.3       | 5.3        | 19.5       | <1       | 38.7       | 0.4        | 4.0        | 2.5        | 71       | 0.8        | 433.3      | 11.2       | 12.2       | 23.5       | 2.95        |
| 11-BSW-084  | Soil                             | 406      | <1       | 3.4        | 1.3        | 4.6        | 10.5       | 5.0        | 21.8       | 1        | 41.4       | 0.4        | 3.8        | 2.3        | 64       | 0.6        | 381.2      | 11.7       | 11.9       | 23.8       | 2.85        |



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Project: TING\_RG  
Report Date: July 16, 2011

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## CERTIFICATE OF ANALYSIS

VAN11002656.1

|             | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 1DX  | 1DX  | 1DX   | 1DX | 1DX  | 1DX  | 1DX  | 1DX  |
|-------------|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-----|------|------|------|------|
|             |                                  | Nd   | Sm   | Eu   | Gd   | Tb   | Dy   | Ho   | Er   | Tm   | Yb   | Lu   | Mo   | Cu   | Pb    | Zn  | Ni   | As   | Cd   | Sb   |
|             |                                  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm | ppm  | ppm  | ppm  | ppm  |
|             |                                  | 0.3  | 0.05 | 0.02 | 0.05 | 0.01 | 0.05 | 0.02 | 0.03 | 0.01 | 0.05 | 0.01 | 0.1  | 0.1  | 0.1   | 1   | 0.1  | 0.5  | 0.1  | 0.1  |
| 11-BCQ-0045 | Soil                             | 18.4 | 3.00 | 0.63 | 2.84 | 0.48 | 2.93 | 0.58 | 1.81 | 0.28 | 1.77 | 0.27 | 0.5  | 6.1  | 4.5   | 28  | 6.6  | 2.5  | 0.1  | 0.3  |
| 11-BCQ-0030 | Soil                             | 23.1 | 4.18 | 0.94 | 3.89 | 0.59 | 3.48 | 0.65 | 1.86 | 0.30 | 1.90 | 0.30 | 0.4  | 28.4 | 6.7   | 41  | 12.9 | 2.9  | 0.2  | 0.2  |
| 11-BCQ-0041 | Soil                             | 26.9 | 4.28 | 0.89 | 3.98 | 0.59 | 3.25 | 0.69 | 2.01 | 0.33 | 2.04 | 0.33 | 2.2  | 18.7 | 14.5  | 143 | 25.1 | 9.3  | 3.1  | 0.7  |
| 11-BCQ-0109 | Soil                             | 12.2 | 2.12 | 0.43 | 1.76 | 0.26 | 1.51 | 0.28 | 0.87 | 0.15 | 0.76 | 0.13 | 0.4  | 4.4  | 8.0   | 46  | 7.2  | 5.1  | 0.3  | 0.3  |
| 11-BCQ-0027 | Soil                             | 20.9 | 4.25 | 0.98 | 4.27 | 0.68 | 3.49 | 0.74 | 1.98 | 0.31 | 1.92 | 0.30 | 0.5  | 36.2 | 9.8   | 73  | 14.3 | 4.0  | 0.7  | 0.3  |
| 11-BCQ-0056 | Soil                             | 22.7 | 4.23 | 0.77 | 3.35 | 0.57 | 3.19 | 0.67 | 1.99 | 0.33 | 2.01 | 0.33 | 0.8  | 4.8  | 9.4   | 50  | 8.7  | 2.1  | 0.3  | <0.1 |
| 11-BCQ-0020 | Soil                             | 15.8 | 3.31 | 0.63 | 2.67 | 0.44 | 2.32 | 0.49 | 1.43 | 0.23 | 1.53 | 0.25 | 0.3  | 8.3  | 5.9   | 22  | 6.4  | 2.6  | 0.1  | 0.2  |
| 11-BCQ-0054 | Soil                             | 27.9 | 4.86 | 0.90 | 4.00 | 0.66 | 3.53 | 0.68 | 2.27 | 0.34 | 2.22 | 0.34 | 0.7  | 4.8  | 10.8  | 34  | 6.9  | 2.0  | 0.2  | <0.1 |
| 11-BSW-076  | Soil                             | 14.2 | 2.63 | 0.51 | 2.59 | 0.45 | 2.72 | 0.62 | 2.04 | 0.35 | 2.27 | 0.39 | 1.9  | 7.9  | 7.1   | 59  | 12.7 | 8.0  | 0.7  | 0.3  |
| 11-BSW-095  | Soil                             | 21.8 | 4.15 | 1.05 | 3.65 | 0.57 | 2.87 | 0.56 | 1.81 | 0.25 | 1.64 | 0.24 | 1.6  | 15.4 | 61.5  | 136 | 18.2 | 22.4 | 0.2  | 0.5  |
| 11-BSW-086  | Soil                             | 15.8 | 2.88 | 0.62 | 2.46 | 0.46 | 2.52 | 0.54 | 1.81 | 0.30 | 1.91 | 0.30 | 0.9  | 5.2  | 6.4   | 50  | 12.9 | 3.2  | 0.4  | <0.1 |
| 11-BSW-101  | Soil                             | 24.7 | 4.25 | 0.93 | 3.71 | 0.56 | 3.04 | 0.62 | 1.95 | 0.30 | 1.78 | 0.27 | 1.0  | 17.0 | 220.3 | 993 | 16.1 | 13.3 | 2.5  | 1.0  |
| 11-BSW-081  | Soil                             | 11.9 | 2.39 | 0.52 | 2.17 | 0.39 | 2.09 | 0.50 | 1.60 | 0.27 | 1.66 | 0.28 | 1.9  | 7.2  | 6.1   | 45  | 14.5 | 5.1  | 0.4  | 0.2  |
| 11-BSW-094  | Soil                             | 22.7 | 4.12 | 0.88 | 3.28 | 0.51 | 2.93 | 0.58 | 1.71 | 0.28 | 1.83 | 0.28 | 1.7  | 15.2 | 57.8  | 105 | 21.6 | 59.5 | 0.2  | 0.6  |
| 11-BSW-047  | Soil                             | 10.0 | 2.62 | 0.59 | 2.62 | 0.43 | 2.07 | 0.45 | 1.36 | 0.20 | 1.18 | 0.18 | 0.3  | 12.4 | 2.6   | 35  | 6.3  | 3.7  | 0.4  | 0.2  |
| 11-BSW-071  | Soil                             | 19.5 | 3.66 | 0.68 | 3.23 | 0.52 | 3.26 | 0.71 | 2.05 | 0.35 | 2.37 | 0.40 | 1.6  | 6.8  | 6.1   | 54  | 15.1 | 2.8  | 0.6  | 0.2  |
| 11-BSW-035  | Soil                             | 30.6 | 6.08 | 1.24 | 5.39 | 0.88 | 4.65 | 0.95 | 2.64 | 0.41 | 2.60 | 0.37 | 0.7  | 15.9 | 12.6  | 140 | 19.1 | 2.9  | 1.5  | 0.1  |
| 11-BSW-099  | Soil                             | 27.8 | 5.26 | 1.19 | 4.57 | 0.71 | 3.60 | 0.78 | 2.48 | 0.36 | 2.24 | 0.36 | 11.6 | 38.4 | 332.1 | 328 | 13.9 | 26.3 | 1.2  | 0.6  |
| 11-BSW-017  | Soil                             | 27.5 | 4.72 | 0.91 | 3.85 | 0.61 | 3.55 | 0.68 | 2.18 | 0.36 | 2.31 | 0.34 | 0.7  | 6.2  | 9.9   | 39  | 8.6  | 2.3  | <0.1 | <0.1 |
| 11-BSW-060  | Soil                             | 28.7 | 5.53 | 1.04 | 4.19 | 0.62 | 3.30 | 0.73 | 2.11 | 0.34 | 2.23 | 0.33 | 1.4  | 3.7  | 11.0  | 47  | 6.1  | 2.4  | <0.1 | <0.1 |
| 11-BSW-043  | Soil                             | 24.0 | 4.55 | 0.88 | 4.11 | 0.70 | 3.78 | 0.85 | 2.41 | 0.39 | 2.33 | 0.34 | 0.7  | 6.0  | 9.1   | 44  | 9.0  | 2.8  | 0.2  | <0.1 |
| 11-BSW-104  | Soil                             | 33.9 | 6.28 | 1.36 | 5.19 | 0.80 | 4.61 | 0.87 | 2.54 | 0.42 | 2.51 | 0.36 | 1.1  | 13.1 | 68.8  | 121 | 19.9 | 15.1 | 0.4  | 0.4  |
| 11-BSW-044  | Soil                             | 22.4 | 4.42 | 0.78 | 3.57 | 0.57 | 3.14 | 0.66 | 1.97 | 0.32 | 2.11 | 0.34 | 0.8  | 22.1 | 9.8   | 51  | 12.0 | 5.6  | 0.3  | 0.3  |
| 11-BSW-053  | Soil                             | 22.8 | 4.06 | 0.78 | 3.24 | 0.54 | 3.23 | 0.63 | 1.95 | 0.33 | 2.01 | 0.31 | 0.5  | 2.3  | 7.1   | 59  | 4.5  | 2.0  | <0.1 | <0.1 |
| 11-BSW-073  | Soil                             | 16.3 | 3.12 | 0.65 | 3.04 | 0.51 | 2.81 | 0.61 | 1.91 | 0.27 | 1.91 | 0.31 | 1.7  | 9.6  | 8.1   | 64  | 18.6 | 5.4  | 0.8  | 0.1  |
| 11-BSW-092  | Soil                             | 16.5 | 2.96 | 0.56 | 2.47 | 0.41 | 2.23 | 0.48 | 1.50 | 0.22 | 1.63 | 0.23 | 1.9  | 7.3  | 9.9   | 91  | 17.3 | 5.2  | 0.3  | 0.1  |
| 11-BSW-078  | Soil                             | 15.6 | 3.09 | 0.63 | 2.67 | 0.44 | 2.75 | 0.57 | 1.84 | 0.34 | 1.99 | 0.32 | 1.9  | 10.2 | 6.9   | 54  | 18.4 | 5.9  | 0.3  | 0.1  |
| 11-BSW-069  | Soil                             | 22.4 | 3.90 | 0.71 | 3.26 | 0.50 | 2.82 | 0.62 | 1.98 | 0.31 | 2.00 | 0.33 | 2.0  | 15.9 | 21.2  | 110 | 41.5 | 11.9 | 0.4  | 0.1  |
| 11-BSW-089  | Soil                             | 11.0 | 2.26 | 0.44 | 1.98 | 0.34 | 2.01 | 0.41 | 1.32 | 0.23 | 1.45 | 0.22 | 3.1  | 8.9  | 8.2   | 50  | 12.2 | 7.1  | 0.4  | 0.2  |
| 11-BSW-084  | Soil                             | 10.3 | 2.05 | 0.42 | 2.00 | 0.38 | 2.18 | 0.47 | 1.49 | 0.25 | 1.50 | 0.26 | 2.4  | 6.5  | 6.3   | 54  | 14.5 | 5.2  | 0.3  | 0.3  |



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**Project:** TING\_RG

**Report Date:** July 16, 2011

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## CERTIFICATE OF ANALYSIS

VAN11002656.1

|             |      | Method  | 1DX  | 1DX  | 1DX   | 1DX  | 1DX  |
|-------------|------|---------|------|------|-------|------|------|
|             |      | Analyte | Ag   | Au   | Hg    | Tl   | Se   |
|             |      | Unit    | ppm  | ppb  | ppm   | ppm  | ppm  |
|             |      | MDL     | 0.1  | 0.5  | 0.01  | 0.1  | 0.5  |
| 11-BCQ-0045 | Soil |         | <0.1 | 1.3  | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0030 | Soil |         | <0.1 | 2.6  | 0.02  | <0.1 | 0.7  |
| 11-BCQ-0041 | Soil |         | <0.1 | 0.9  | 0.08  | 0.6  | 1.8  |
| 11-BCQ-0109 | Soil |         | <0.1 | 0.6  | 0.02  | 0.1  | <0.5 |
| 11-BCQ-0027 | Soil |         | <0.1 | <0.5 | 0.09  | 0.2  | 0.8  |
| 11-BCQ-0056 | Soil |         | <0.1 | <0.5 | <0.01 | 0.1  | <0.5 |
| 11-BCQ-0020 | Soil |         | <0.1 | <0.5 | 0.01  | <0.1 | <0.5 |
| 11-BCQ-0054 | Soil |         | <0.1 | 1.5  | 0.02  | <0.1 | <0.5 |
| 11-BSW-076  | Soil |         | 0.1  | 1.2  | 0.02  | <0.1 | 1.2  |
| 11-BSW-095  | Soil |         | 0.9  | <0.5 | 0.06  | 0.5  | <0.5 |
| 11-BSW-086  | Soil |         | <0.1 | <0.5 | 0.02  | <0.1 | 0.5  |
| 11-BSW-101  | Soil |         | 1.8  | 4.4  | 0.05  | 0.3  | 0.6  |
| 11-BSW-081  | Soil |         | <0.1 | <0.5 | <0.01 | <0.1 | 1.1  |
| 11-BSW-094  | Soil |         | 0.3  | 0.5  | 0.02  | 0.5  | 1.0  |
| 11-BSW-047  | Soil |         | <0.1 | <0.5 | 0.15  | <0.1 | 0.9  |
| 11-BSW-071  | Soil |         | 0.1  | <0.5 | 0.02  | <0.1 | 2.0  |
| 11-BSW-035  | Soil |         | 0.5  | <0.5 | 0.09  | 0.2  | 0.7  |
| 11-BSW-099  | Soil |         | 0.4  | 7.4  | 0.04  | 0.9  | <0.5 |
| 11-BSW-017  | Soil |         | <0.1 | <0.5 | 0.01  | <0.1 | <0.5 |
| 11-BSW-060  | Soil |         | 0.1  | <0.5 | <0.01 | 0.1  | <0.5 |
| 11-BSW-043  | Soil |         | <0.1 | 0.5  | 0.02  | <0.1 | <0.5 |
| 11-BSW-104  | Soil |         | 0.3  | <0.5 | 0.04  | 0.4  | 0.5  |
| 11-BSW-044  | Soil |         | 0.2  | <0.5 | 0.06  | <0.1 | <0.5 |
| 11-BSW-053  | Soil |         | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-BSW-073  | Soil |         | 0.1  | <0.5 | 0.04  | <0.1 | 1.6  |
| 11-BSW-092  | Soil |         | <0.1 | <0.5 | 0.03  | <0.1 | 0.8  |
| 11-BSW-078  | Soil |         | <0.1 | <0.5 | 0.01  | <0.1 | 1.5  |
| 11-BSW-069  | Soil |         | <0.1 | <0.5 | 0.02  | 0.2  | <0.5 |
| 11-BSW-089  | Soil |         | 0.1  | <0.5 | 0.02  | <0.1 | 1.9  |
| 11-BSW-084  | Soil |         | <0.1 | <0.5 | <0.01 | <0.1 | 0.9  |



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Project: TING\_RG

Report Date: July 16, 2011

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## CERTIFICATE OF ANALYSIS

VAN11002656.1

|             | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B  | 4B   | 4B   | 4B   | 4B   | 4B   | 4B    | 4B  | 4B    | 4B   | 4B   | 4B   | 4B  | 4B   | 4B    | 4B   | 4B   |
|-------------|----------------------------------|------|-----|------|------|------|------|------|-------|-----|-------|------|------|------|-----|------|-------|------|------|
|             |                                  | Ba   | Be  | Co   | Cs   | Ga   | Hf   | Nb   | Rb    | Sn  | Sr    | Ta   | Th   | U    | V   | W    | Zr    | Y    | La   |
|             |                                  | ppm  | ppm | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm | ppm   | ppm  | ppm  | ppm  | ppm | ppm  | ppm   | ppm  | ppm  |
|             |                                  | 1    | 1   | 0.2  | 0.1  | 0.5  | 0.1  | 0.1  | 0.1   | 1   | 0.5   | 0.1  | 0.2  | 0.1  | 8   | 0.5  | 0.1   | 0.1  | 0.1  |
| 11-BSW-026  | Soil                             | 608  | 2   | 3.4  | 2.9  | 13.6 | 9.4  | 20.4 | 63.3  | 3   | 112.4 | 1.5  | 9.1  | 2.8  | 94  | 1.7  | 346.8 | 18.9 | 33.3 |
| 11-BSW-077  | Soil                             | 512  | 1   | 8.2  | 2.3  | 6.9  | 14.2 | 7.6  | 43.0  | 2   | 71.4  | 0.7  | 6.7  | 4.5  | 83  | 0.8  | 510.9 | 21.3 | 21.2 |
| 11-BSW-074  | Soil                             | 462  | <1  | 3.6  | 1.7  | 5.5  | 12.1 | 6.0  | 30.3  | 1   | 53.2  | 0.5  | 4.6  | 2.9  | 66  | 0.7  | 468.7 | 15.4 | 16.0 |
| 11-MGB-032  | Soil                             | 274  | <1  | 5.5  | 2.2  | 6.3  | 11.0 | 18.3 | 37.0  | 1   | 41.6  | 1.2  | 7.5  | 2.2  | 58  | 1.6  | 428.5 | 16.4 | 31.9 |
| 11-MGB-088  | Soil                             | 610  | 2   | 5.0  | 4.1  | 11.2 | 7.9  | 17.0 | 64.2  | 2   | 83.9  | 1.2  | 10.1 | 3.0  | 77  | 5.0  | 308.5 | 16.1 | 30.7 |
| 11-MGB-094  | Soil                             | 576  | 2   | 6.3  | 13.2 | 11.5 | 8.0  | 14.2 | 135.4 | 2   | 130.7 | 1.1  | 8.5  | 3.2  | 72  | 27.0 | 283.7 | 14.3 | 27.9 |
| 11-MGB-044  | Soil                             | 1158 | <1  | 5.5  | 2.5  | 7.3  | 4.1  | 6.9  | 38.3  | 1   | 64.3  | 0.4  | 5.1  | 5.1  | 131 | 0.9  | 161.3 | 15.5 | 20.9 |
| 11-MGB-065  | Soil                             | 488  | 1   | 10.1 | 4.2  | 16.7 | 7.0  | 30.6 | 82.6  | 2   | 179.6 | 2.2  | 10.3 | 3.5  | 75  | 1.2  | 274.1 | 11.4 | 24.7 |
| 11-MGB-046  | Soil                             | 1236 | <1  | 5.6  | 2.5  | 5.8  | 13.7 | 10.3 | 35.1  | 1   | 54.5  | 0.7  | 5.2  | 3.8  | 91  | 1.2  | 536.7 | 15.7 | 20.2 |
| 11-AAB-0035 | Soil                             | 712  | 1   | 6.5  | 2.2  | 6.4  | 13.2 | 8.7  | 42.1  | 1   | 59.7  | 0.7  | 6.4  | 2.4  | 74  | 0.8  | 494.5 | 18.5 | 20.2 |
| 11-AAB-0048 | Soil                             | 714  | <1  | 3.0  | 2.0  | 4.5  | 3.4  | 5.2  | 27.4  | <1  | 76.7  | 0.4  | 3.6  | 1.7  | 72  | 0.9  | 120.7 | 12.4 | 15.5 |
| 11-AAB-0053 | Soil                             | 593  | <1  | 1.6  | 1.8  | 14.6 | 9.5  | 15.7 | 41.7  | 2   | 185.8 | 1.4  | 10.0 | 3.2  | 69  | 1.7  | 331.3 | 15.9 | 33.4 |
| 11-AAB-0054 | Soil                             | 628  | <1  | 4.6  | 2.1  | 6.6  | 9.0  | 6.5  | 37.5  | 1   | 49.6  | 0.6  | 4.9  | 3.9  | 95  | 0.8  | 323.3 | 12.0 | 16.8 |
| 11-AAB-0039 | Soil                             | 655  | <1  | 5.7  | 1.9  | 5.7  | 10.5 | 8.4  | 38.1  | <1  | 60.8  | 0.6  | 7.1  | 2.3  | 65  | 1.0  | 385.0 | 16.1 | 17.4 |
| 11-AAB-0047 | Soil                             | 899  | <1  | 3.4  | 1.1  | 4.0  | 15.7 | 5.9  | 19.2  | <1  | 51.8  | 0.4  | 3.9  | 2.2  | 59  | 0.8  | 579.1 | 11.5 | 11.9 |
| 11-AAB-0052 | Soil                             | 943  | <1  | 8.4  | 0.4  | 3.0  | 1.0  | 1.6  | 8.6   | <1  | 91.4  | 0.2  | 1.7  | 26.5 | <8  | <0.5 | 31.8  | 3.3  | 5.0  |
| 11-AAB-0062 | Soil                             | 320  | <1  | 2.6  | 1.4  | 6.7  | 2.3  | 2.6  | 19.1  | <1  | 219.3 | 0.2  | 3.0  | 3.3  | 17  | 1.6  | 81.4  | 8.3  | 12.7 |
| 11-AAB-0063 | Soil                             | 649  | 1   | 4.8  | 5.1  | 12.0 | 7.9  | 14.0 | 78.1  | 2   | 127.7 | 1.1  | 10.1 | 2.8  | 69  | 4.3  | 259.3 | 18.4 | 34.6 |
| 11-AAB-0061 | Soil                             | 620  | 1   | 5.6  | 4.3  | 12.4 | 7.4  | 15.0 | 68.1  | 2   | 92.5  | 1.2  | 9.7  | 2.5  | 85  | 3.6  | 273.3 | 12.8 | 26.7 |
| 11-AAB-0036 | Soil                             | 912  | <1  | 7.3  | 2.6  | 8.1  | 12.5 | 10.2 | 50.7  | 1   | 77.7  | 0.8  | 7.5  | 3.0  | 96  | 1.2  | 496.1 | 17.9 | 22.4 |
| 11-AAB-0056 | Soil                             | 1193 | <1  | 14.9 | 2.9  | 8.1  | 8.5  | 6.8  | 65.1  | 1   | 55.7  | 0.5  | 5.9  | 3.5  | 149 | 0.8  | 323.7 | 13.3 | 18.2 |
| 11-AAB-0033 | Soil                             | 359  | <1  | 5.0  | 4.0  | 8.1  | 6.2  | 6.8  | 61.6  | <1  | 80.6  | 0.5  | 6.2  | 7.2  | 90  | 0.8  | 224.9 | 25.9 | 25.0 |
| 11-MGB-078  | Soil                             | 737  | 1   | 4.9  | 2.9  | 11.1 | 8.5  | 14.6 | 57.7  | 2   | 112.9 | 1.2  | 8.5  | 2.9  | 107 | 1.4  | 324.9 | 15.2 | 29.2 |
| 11-MGB-084  | Soil                             | 1074 | 1   | 7.6  | 3.1  | 13.7 | 7.9  | 16.5 | 64.9  | 2   | 119.9 | 1.2  | 8.2  | 2.7  | 117 | 1.6  | 299.0 | 16.5 | 30.6 |
| 11-MGB-085  | Soil                             | 1380 | 2   | 7.4  | 3.0  | 11.5 | 8.1  | 12.9 | 66.4  | 2   | 141.3 | 1.0  | 9.2  | 3.6  | 144 | 1.4  | 290.9 | 21.6 | 32.3 |
| 11-MGB-036  | Soil                             | 226  | 1   | 4.1  | 1.7  | 4.8  | 8.3  | 10.9 | 33.1  | 1   | 48.3  | 0.8  | 5.9  | 1.8  | 52  | 1.1  | 304.3 | 14.6 | 19.9 |
| 11-AAB-0057 | Soil                             | 1291 | 2   | 8.4  | 3.8  | 10.8 | 8.5  | 9.6  | 61.4  | 2   | 75.6  | 0.8  | 9.2  | 6.2  | 211 | 1.0  | 322.1 | 26.1 | 29.9 |
| 11-BCQ-0042 | Soil                             | 497  | 2   | 8.2  | 3.4  | 8.6  | 7.9  | 15.2 | 61.6  | 2   | 58.6  | 0.9  | 9.8  | 6.3  | 254 | 2.0  | 298.6 | 28.4 | 43.0 |
| 11-BSW-068  | Soil                             | 594  | 1   | 6.5  | 3.3  | 9.1  | 18.0 | 24.0 | 58.8  | 2   | 74.8  | 1.8  | 12.3 | 4.4  | 102 | 1.9  | 683.7 | 37.1 | 47.4 |
| 11-BSW-091  | Soil                             | 158  | <1  | 17.6 | 0.2  | 0.6  | <0.1 | 0.3  | 1.5   | <1  | 5.9   | <0.1 | 0.2  | 0.2  | 9   | <0.5 | 3.6   | 1.6  | 1.1  |



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Project: TING\_RG

Report Date: July 16, 2011

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## CERTIFICATE OF ANALYSIS

**VAN11002656.1**

|             | Method | Analyte | Unit | MDL | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 1DX  | 1DX  | 1DX  | 1DX   | 1DX | 1DX  | 1DX  | 1DX  |      |      |
|-------------|--------|---------|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-----|------|------|------|------|------|
|             |        |         |      |     | Nd   | Sm   | Eu   | Gd   | Tb   | Dy   | Ho   | Er   | Tm   | Yb   | Lu   | Mo   | Cu   | Pb    | Zn  | Ni   | As   | Cd   | Sb   | Bi   |
|             |        |         |      |     | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm | ppm  | ppm  | ppm  | ppm  | ppm  |
|             |        |         |      |     | 0.3  | 0.05 | 0.02 | 0.05 | 0.01 | 0.05 | 0.02 | 0.03 | 0.01 | 0.05 | 0.01 | 0.1  | 0.1  | 0.1   | 1   | 0.1  | 0.5  | 0.1  | 0.1  |      |
| 11-BSW-026  | Soil   |         |      |     | 26.4 | 4.69 | 0.88 | 4.13 | 0.67 | 3.80 | 0.78 | 2.27 | 0.37 | 2.32 | 0.37 | 0.7  | 4.7  | 10.8  | 33  | 8.3  | 3.3  | <0.1 | <0.1 | 0.2  |
| 11-BSW-077  | Soil   |         |      |     | 19.5 | 3.63 | 0.73 | 3.56 | 0.59 | 3.70 | 0.80 | 2.37 | 0.38 | 2.51 | 0.40 | 1.0  | 12.0 | 6.9   | 159 | 59.7 | 3.4  | 0.8  | 0.1  | 0.1  |
| 11-BSW-074  | Soil   |         |      |     | 14.3 | 2.63 | 0.53 | 2.47 | 0.42 | 2.67 | 0.57 | 1.74 | 0.28 | 1.82 | 0.30 | 1.8  | 6.8  | 7.0   | 59  | 15.1 | 6.2  | 0.4  | 0.1  | <0.1 |
| 11-MGB-032  | Soil   |         |      |     | 26.6 | 4.40 | 0.85 | 3.61 | 0.56 | 3.29 | 0.65 | 1.93 | 0.30 | 1.91 | 0.30 | 0.3  | 10.5 | 16.5  | 44  | 12.6 | 8.6  | 0.2  | 0.3  | <0.1 |
| 11-MGB-088  | Soil   |         |      |     | 25.5 | 4.38 | 0.84 | 3.62 | 0.56 | 3.18 | 0.64 | 1.89 | 0.28 | 1.88 | 0.29 | 1.9  | 10.0 | 78.0  | 226 | 13.0 | 14.9 | 0.5  | 0.1  | 0.5  |
| 11-MGB-094  | Soil   |         |      |     | 22.2 | 3.91 | 0.80 | 3.10 | 0.49 | 2.72 | 0.55 | 1.65 | 0.27 | 1.72 | 0.27 | 17.6 | 28.4 | 162.0 | 247 | 10.4 | 23.3 | 0.7  | 0.5  | 2.7  |
| 11-MGB-044  | Soil   |         |      |     | 18.2 | 3.22 | 0.61 | 2.89 | 0.44 | 2.69 | 0.55 | 1.53 | 0.24 | 1.53 | 0.23 | 1.6  | 8.8  | 13.2  | 106 | 21.0 | 20.7 | 1.3  | 0.4  | 0.1  |
| 11-MGB-065  | Soil   |         |      |     | 18.6 | 3.16 | 0.65 | 2.61 | 0.41 | 2.34 | 0.48 | 1.48 | 0.25 | 1.66 | 0.25 | 1.4  | 11.6 | 27.0  | 30  | 16.0 | 4.3  | 0.4  | <0.1 | 0.4  |
| 11-MGB-046  | Soil   |         |      |     | 15.9 | 2.91 | 0.55 | 2.75 | 0.46 | 2.80 | 0.58 | 1.79 | 0.30 | 1.87 | 0.31 | 2.8  | 9.8  | 10.2  | 79  | 15.8 | 10.2 | 0.7  | 0.5  | <0.1 |
| 11-AAB-0035 | Soil   |         |      |     | 20.1 | 4.03 | 0.81 | 3.75 | 0.60 | 3.60 | 0.71 | 2.23 | 0.34 | 2.29 | 0.34 | 1.1  | 11.4 | 9.4   | 53  | 15.9 | 6.9  | 0.2  | 0.2  | <0.1 |
| 11-AAB-0048 | Soil   |         |      |     | 13.3 | 2.29 | 0.45 | 2.21 | 0.34 | 1.93 | 0.41 | 1.26 | 0.19 | 1.20 | 0.19 | 1.8  | 18.6 | 10.9  | 270 | 60.4 | 6.5  | 13.1 | 0.7  | <0.1 |
| 11-AAB-0053 | Soil   |         |      |     | 27.0 | 4.35 | 0.76 | 3.37 | 0.53 | 3.03 | 0.63 | 1.93 | 0.31 | 2.05 | 0.32 | 0.6  | 3.5  | 6.6   | 11  | 2.2  | 1.2  | 0.2  | <0.1 | 0.1  |
| 11-AAB-0054 | Soil   |         |      |     | 15.5 | 2.66 | 0.54 | 2.37 | 0.38 | 2.25 | 0.46 | 1.38 | 0.22 | 1.50 | 0.23 | 1.2  | 8.0  | 10.3  | 69  | 13.5 | 5.0  | 0.9  | 0.1  | 0.1  |
| 11-AAB-0039 | Soil   |         |      |     | 16.9 | 3.41 | 0.74 | 3.28 | 0.54 | 3.15 | 0.64 | 1.92 | 0.31 | 2.00 | 0.32 | 0.7  | 9.7  | 7.6   | 53  | 13.6 | 5.7  | 0.2  | 0.1  | <0.1 |
| 11-AAB-0047 | Soil   |         |      |     | 11.1 | 2.17 | 0.41 | 1.96 | 0.32 | 2.02 | 0.44 | 1.38 | 0.22 | 1.52 | 0.25 | 2.4  | 7.4  | 9.3   | 50  | 12.6 | 7.6  | 0.3  | 0.3  | <0.1 |
| 11-AAB-0052 | Soil   |         |      |     | 3.9  | 0.79 | 0.17 | 0.76 | 0.12 | 0.64 | 0.13 | 0.37 | 0.06 | 0.36 | 0.05 | 1.5  | 11.5 | 2.5   | 50  | 11.8 | 2.5  | 8.3  | 0.5  | <0.1 |
| 11-AAB-0062 | Soil   |         |      |     | 10.6 | 1.89 | 0.48 | 1.69 | 0.26 | 1.42 | 0.30 | 0.79 | 0.12 | 0.77 | 0.11 | 0.7  | 10.8 | 15.6  | 59  | 2.7  | 6.6  | 1.0  | 0.2  | <0.1 |
| 11-AAB-0063 | Soil   |         |      |     | 29.4 | 5.12 | 1.11 | 4.50 | 0.69 | 3.82 | 0.78 | 2.22 | 0.34 | 2.16 | 0.33 | 1.5  | 17.9 | 120.2 | 365 | 12.4 | 11.1 | 0.5  | 0.2  | 1.0  |
| 11-AAB-0061 | Soil   |         |      |     | 21.4 | 3.59 | 0.65 | 2.72 | 0.44 | 2.48 | 0.50 | 1.50 | 0.25 | 1.58 | 0.26 | 4.4  | 8.4  | 46.9  | 183 | 16.2 | 14.0 | 0.3  | 0.2  | 0.4  |
| 11-AAB-0036 | Soil   |         |      |     | 21.2 | 3.94 | 0.81 | 3.49 | 0.58 | 3.37 | 0.71 | 2.08 | 0.34 | 2.25 | 0.35 | 1.6  | 11.4 | 11.1  | 62  | 19.0 | 6.4  | 0.5  | 0.2  | 0.1  |
| 11-AAB-0056 | Soil   |         |      |     | 15.7 | 2.88 | 0.58 | 2.58 | 0.41 | 2.42 | 0.50 | 1.52 | 0.24 | 1.65 | 0.24 | 2.3  | 10.0 | 12.2  | 160 | 17.5 | 8.9  | 5.1  | 0.3  | 0.1  |
| 11-AAB-0033 | Soil   |         |      |     | 22.9 | 4.43 | 0.95 | 4.20 | 0.67 | 3.82 | 0.82 | 2.41 | 0.36 | 2.37 | 0.37 | 3.4  | 19.5 | 10.1  | 182 | 51.4 | 8.1  | 2.9  | 0.2  | 0.1  |
| 11-MGB-078  | Soil   |         |      |     | 24.0 | 3.89 | 0.73 | 3.18 | 0.49 | 2.94 | 0.63 | 1.86 | 0.28 | 1.93 | 0.29 | 2.4  | 6.9  | 12.0  | 46  | 13.8 | 6.3  | 0.2  | 0.1  | 0.2  |
| 11-MGB-084  | Soil   |         |      |     | 24.5 | 4.31 | 0.76 | 3.40 | 0.54 | 3.07 | 0.65 | 1.96 | 0.31 | 2.00 | 0.31 | 1.8  | 6.7  | 15.1  | 95  | 18.0 | 7.4  | 0.4  | <0.1 | 0.2  |
| 11-MGB-085  | Soil   |         |      |     | 27.8 | 4.74 | 0.89 | 3.82 | 0.61 | 3.69 | 0.77 | 2.15 | 0.37 | 2.30 | 0.35 | 2.6  | 11.5 | 12.6  | 103 | 22.1 | 7.5  | 1.0  | 0.3  | 0.2  |
| 11-MGB-036  | Soil   |         |      |     | 18.1 | 3.31 | 0.60 | 2.76 | 0.46 | 2.50 | 0.52 | 1.53 | 0.25 | 1.59 | 0.25 | 0.2  | 10.0 | 9.5   | 54  | 5.7  | 3.4  | 0.3  | 0.2  | <0.1 |
| 11-AAB-0057 | Soil   |         |      |     | 29.0 | 5.16 | 0.98 | 4.20 | 0.67 | 3.96 | 0.82 | 2.44 | 0.37 | 2.46 | 0.37 | 0.6  | 6.3  | 9.2   | 159 | 9.5  | 5.9  | 0.5  | 0.4  | <0.1 |
| 11-BCQ-0042 | Soil   |         |      |     | 37.4 | 6.29 | 1.23 | 5.35 | 0.79 | 4.36 | 0.88 | 2.50 | 0.39 | 2.52 | 0.37 | 6.3  | 41.9 | 18.1  | 90  | 29.1 | 18.4 | 0.9  | 1.2  | 0.2  |
| 11-BSW-068  | Soil   |         |      |     | 41.1 | 7.93 | 1.40 | 7.12 | 1.11 | 6.34 | 1.29 | 3.74 | 0.59 | 3.91 | 0.59 | 2.5  | 16.7 | 17.0  | 61  | 17.6 | 10.6 | 0.2  | 0.4  | 0.2  |
| 11-BSW-091  | Soil   |         |      |     | 0.8  | 0.21 | 0.04 | 0.19 | 0.03 | 0.17 | 0.03 | 0.10 | 0.02 | 0.09 | 0.02 | 0.2  | 2.1  | 1.4   | 334 | 18.8 | 2.3  | 0.3  | <0.1 | <0.1 |



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**Project:** TING\_RG  
**Report Date:** July 16, 2011

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## CERTIFICATE OF ANALYSIS

VAN11002656.1

|             | Method<br>Analyte<br>Unit<br>MDL | 1DX  | 1DX  | 1DX   | 1DX  | 1DX  |
|-------------|----------------------------------|------|------|-------|------|------|
|             |                                  | Ag   | Au   | Hg    | Tl   | Se   |
|             |                                  | ppm  | ppb  | ppm   | ppm  | ppm  |
|             |                                  | 0.1  | 0.5  | 0.01  | 0.1  | 0.5  |
| 11-BSW-026  | Soil                             | <0.1 | <0.5 | <0.01 | 0.1  | <0.5 |
| 11-BSW-077  | Soil                             | 0.1  | <0.5 | 0.03  | <0.1 | 4.7  |
| 11-BSW-074  | Soil                             | <0.1 | <0.5 | 0.02  | <0.1 | 1.3  |
| 11-MGB-032  | Soil                             | <0.1 | <0.5 | 0.02  | 0.2  | 0.9  |
| 11-MGB-088  | Soil                             | 0.1  | 1.0  | 0.02  | 0.4  | 0.8  |
| 11-MGB-094  | Soil                             | 0.4  | <0.5 | 0.02  | 0.4  | 0.9  |
| 11-MGB-044  | Soil                             | 0.2  | <0.5 | 0.10  | 0.1  | 2.8  |
| 11-MGB-065  | Soil                             | <0.1 | <0.5 | 0.03  | 0.2  | <0.5 |
| 11-MGB-046  | Soil                             | 0.1  | <0.5 | 0.06  | 0.2  | 1.3  |
| 11-AAB-0035 | Soil                             | <0.1 | <0.5 | 0.01  | 0.1  | <0.5 |
| 11-AAB-0048 | Soil                             | 0.1  | <0.5 | 0.07  | 0.5  | 1.9  |
| 11-AAB-0053 | Soil                             | 0.1  | <0.5 | 0.02  | <0.1 | <0.5 |
| 11-AAB-0054 | Soil                             | 0.2  | <0.5 | 0.04  | 0.1  | 1.1  |
| 11-AAB-0039 | Soil                             | <0.1 | <0.5 | 0.02  | <0.1 | <0.5 |
| 11-AAB-0047 | Soil                             | <0.1 | <0.5 | 0.02  | <0.1 | 1.1  |
| 11-AAB-0052 | Soil                             | 0.3  | 0.7  | 0.15  | <0.1 | 4.1  |
| 11-AAB-0062 | Soil                             | 0.1  | <0.5 | 0.08  | <0.1 | 0.6  |
| 11-AAB-0063 | Soil                             | 0.2  | 0.9  | 0.04  | 0.4  | 0.7  |
| 11-AAB-0061 | Soil                             | 0.2  | <0.5 | 0.03  | 0.4  | <0.5 |
| 11-AAB-0036 | Soil                             | <0.1 | <0.5 | 0.02  | 0.1  | 0.6  |
| 11-AAB-0056 | Soil                             | 0.2  | <0.5 | 0.11  | 0.2  | 2.8  |
| 11-AAB-0033 | Soil                             | 0.6  | <0.5 | 0.17  | 0.3  | 3.7  |
| 11-MGB-078  | Soil                             | <0.1 | 0.8  | 0.02  | 0.1  | 0.6  |
| 11-MGB-084  | Soil                             | <0.1 | <0.5 | <0.01 | 0.2  | 0.5  |
| 11-MGB-085  | Soil                             | 0.1  | 1.6  | 0.01  | 0.1  | 0.7  |
| 11-MGB-036  | Soil                             | <0.1 | 0.7  | 0.04  | <0.1 | <0.5 |
| 11-AAB-0057 | Soil                             | <0.1 | 1.3  | 0.03  | 0.1  | <0.5 |
| 11-BCQ-0042 | Soil                             | 0.2  | 1.4  | 0.08  | 0.3  | 2.2  |
| 11-BSW-068  | Soil                             | <0.1 | 1.7  | 0.04  | 0.1  | <0.5 |
| 11-BSW-091  | Soil                             | <0.1 | 1.0  | 0.02  | <0.1 | <0.5 |



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Project: TING\_RG

Report Date: July 16, 2011

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## CERTIFICATE OF ANALYSIS

VAN11002656.1

|             | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B  | 4B   | 4B   | 4B   | 4B  | 4B   | 4B   | 4B  | 4B   | 4B  | 4B   | 4B  | 4B  | 4B   | 4B    | 4B   | 4B   |
|-------------|----------------------------------|------|-----|------|------|------|-----|------|------|-----|------|-----|------|-----|-----|------|-------|------|------|
|             |                                  | Ba   | Be  | Co   | Cs   | Ga   | Hf  | Nb   | Rb   | Sn  | Sr   | Ta  | Th   | U   | V   | W    | Zr    | Y    | La   |
|             |                                  | ppm  | ppm | ppm  | ppm  | ppm  | ppm | ppm  | ppm  | ppm | ppm  | ppm | ppm  | ppm | ppm | ppm  | ppm   | ppm  | ppm  |
|             |                                  | 1    | 1   | 0.2  | 0.1  | 0.5  | 0.1 | 0.1  | 0.1  | 1   | 0.5  | 0.1 | 0.2  | 0.1 | 8   | 0.5  | 0.1   | 0.1  | 0.1  |
| 11-BSW-090  | Soil                             | 431  | <1  | 42.1 | 0.9  | 2.9  | 4.2 | 2.4  | 15.2 | <1  | 21.5 | 0.2 | 1.9  | 2.3 | 45  | <0.5 | 154.6 | 7.1  | 7.0  |
| 11-BCQ-0135 | Soil                             | 550  | <1  | 3.5  | 1.6  | 4.8  | 4.6 | 7.7  | 33.4 | 1   | 84.8 | 0.5 | 5.4  | 1.7 | 69  | 0.5  | 159.9 | 12.6 | 19.2 |
| 11-BCQ-0137 | Soil                             | 664  | 1   | 4.5  | 1.9  | 6.4  | 4.3 | 10.0 | 43.3 | <1  | 82.2 | 0.7 | 5.8  | 1.8 | 61  | 0.8  | 159.2 | 13.5 | 21.4 |
| 11-BCQ-0138 | Soil                             | 565  | <1  | 4.2  | 2.9  | 4.8  | 5.3 | 8.4  | 36.1 | <1  | 75.2 | 0.6 | 6.0  | 1.5 | 56  | <0.5 | 191.3 | 10.7 | 20.5 |
| 11-BCQ-0139 | Soil                             | 748  | 1   | 6.4  | 3.0  | 9.0  | 5.4 | 12.3 | 63.2 | 2   | 98.8 | 0.9 | 9.0  | 2.3 | 74  | 0.8  | 199.3 | 16.7 | 26.6 |
| 11-BCQ-0140 | Soil                             | 530  | <1  | 7.9  | 2.1  | 6.5  | 5.3 | 9.0  | 43.2 | <1  | 94.6 | 0.7 | 7.4  | 1.9 | 68  | 0.7  | 190.7 | 14.4 | 26.8 |
| 11-BCQ-0141 | Soil                             | 406  | <1  | 4.4  | 2.5  | 5.4  | 3.2 | 9.3  | 37.5 | <1  | 76.8 | 0.6 | 6.4  | 1.6 | 57  | 0.6  | 120.3 | 12.0 | 21.1 |
| 11-BCQ-0142 | Soil                             | 370  | 1   | 5.4  | 5.2  | 6.5  | 6.4 | 19.0 | 52.2 | 1   | 68.7 | 1.1 | 8.6  | 2.3 | 51  | 0.9  | 236.5 | 16.6 | 27.8 |
| 11-BCQ-0143 | Soil                             | 412  | 2   | 7.5  | 15.5 | 9.4  | 4.4 | 25.1 | 73.7 | 2   | 58.7 | 1.3 | 9.3  | 2.6 | 64  | 1.0  | 168.6 | 17.7 | 28.7 |
| 11-BCQ-0144 | Soil                             | 185  | 1   | 1.9  | 7.0  | 3.6  | 1.4 | 6.8  | 25.6 | <1  | 58.6 | 0.3 | 3.3  | 1.1 | 20  | <0.5 | 55.3  | 8.3  | 12.9 |
| 11-BCQ-0145 | Soil                             | 324  | 1   | 4.7  | 5.6  | 6.0  | 3.8 | 15.3 | 45.1 | <1  | 66.7 | 0.8 | 7.3  | 2.0 | 43  | 0.6  | 161.3 | 14.5 | 24.4 |
| 11-BCQ-0146 | Soil                             | 201  | <1  | 2.6  | 3.6  | 3.6  | 3.0 | 7.0  | 24.4 | <1  | 54.4 | 0.3 | 3.9  | 1.3 | 23  | 0.6  | 106.0 | 9.6  | 16.3 |
| 11-BCQ-0147 | Soil                             | 276  | <1  | 4.0  | 2.7  | 5.1  | 4.6 | 8.3  | 36.1 | 1   | 72.6 | 0.5 | 6.7  | 1.8 | 37  | 0.9  | 175.2 | 12.8 | 24.8 |
| 11-BCQ-0148 | Soil                             | 246  | 1   | 3.5  | 4.5  | 4.9  | 4.2 | 11.9 | 36.1 | <1  | 62.1 | 0.6 | 5.5  | 1.6 | 33  | 1.5  | 159.1 | 11.6 | 20.2 |
| 11-BCQ-0149 | Soil                             | 216  | 1   | 2.7  | 4.7  | 3.8  | 3.5 | 11.4 | 31.1 | <1  | 60.2 | 0.6 | 5.1  | 1.9 | 29  | 0.5  | 146.2 | 11.1 | 18.4 |
| 11-BCQ-0150 | Soil                             | 165  | <1  | 2.7  | 3.3  | 3.5  | 3.2 | 9.1  | 24.9 | <1  | 60.5 | 0.4 | 4.4  | 1.4 | 22  | 0.6  | 123.8 | 9.5  | 16.2 |
| 11-BCQ-0152 | Soil                             | 300  | 2   | 5.0  | 3.0  | 5.9  | 4.3 | 18.8 | 48.3 | 1   | 62.0 | 0.9 | 7.0  | 2.1 | 42  | 0.6  | 176.6 | 12.4 | 23.4 |
| 11-BCQ-0153 | Soil                             | 216  | <1  | 2.4  | 2.5  | 4.1  | 2.4 | 10.5 | 28.9 | <1  | 58.3 | 0.6 | 4.1  | 1.2 | 26  | 0.7  | 96.7  | 8.6  | 15.3 |
| 11-BCQ-0154 | Soil                             | 1061 | 2   | 44.4 | 3.3  | 7.7  | 4.9 | 15.0 | 57.0 | 2   | 74.4 | 0.9 | 6.7  | 4.0 | 211 | 0.9  | 176.5 | 24.6 | 25.2 |
| 11-BCQ-0155 | Soil                             | 1184 | 2   | 19.7 | 2.9  | 7.1  | 5.9 | 17.0 | 52.0 | 1   | 53.2 | 1.0 | 6.6  | 3.7 | 262 | 0.9  | 232.0 | 24.6 | 25.1 |
| 11-BCQ-0156 | Soil                             | 388  | <1  | 4.3  | 3.0  | 4.4  | 3.9 | 12.0 | 35.7 | <1  | 61.6 | 0.8 | 4.7  | 2.0 | 80  | 0.6  | 140.4 | 11.5 | 18.8 |
| 11-BCQ-0158 | Soil                             | 412  | 1   | 6.1  | 3.8  | 6.9  | 7.6 | 15.9 | 53.5 | 1   | 65.2 | 1.0 | 7.7  | 2.2 | 42  | 1.4  | 275.6 | 14.6 | 24.8 |
| 11-BCQ-0160 | Soil                             | 3654 | 1   | 4.8  | 3.8  | 8.2  | 4.3 | 11.1 | 64.7 | 1   | 52.3 | 0.8 | 6.7  | 4.4 | 492 | 0.9  | 171.3 | 17.0 | 29.6 |
| 11-BCQ-0161 | Soil                             | 410  | 1   | 5.2  | 5.4  | 7.3  | 7.9 | 21.5 | 60.4 | <1  | 59.5 | 1.3 | 8.3  | 2.8 | 41  | 1.3  | 292.7 | 15.4 | 27.0 |
| 11-BCQ-0118 | Soil                             | 360  | <1  | 2.8  | 1.3  | 4.4  | 3.7 | 8.3  | 29.9 | 1   | 85.1 | 0.5 | 5.0  | 1.6 | 35  | <0.5 | 142.7 | 10.2 | 18.0 |
| 11-MGB-062  | Soil                             | 427  | 1   | 8.3  | 3.2  | 13.5 | 8.8 | 24.2 | 48.4 | 2   | 74.1 | 1.7 | 9.7  | 2.8 | 102 | 1.6  | 327.0 | 17.3 | 28.8 |
| 11-MGB-069  | Soil                             | 486  | 2   | 8.4  | 4.4  | 14.2 | 9.6 | 33.9 | 78.3 | 2   | 81.6 | 2.1 | 10.8 | 3.3 | 92  | 1.6  | 353.1 | 16.5 | 37.5 |



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Report Date: July 16, 2011

Page: 7 of 7 Part 2

## CERTIFICATE OF ANALYSIS

VAN11002656.1

|             | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  | 1DX   | 1DX  | 1DX  |
|-------------|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|
|             |                                  | Nd   | Sm   | Eu   | Gd   | Tb   | Dy   | Ho   | Er   | Tm   | Yb   | Lu   | Mo   | Cu   | Pb   | Zn   | Ni    | As   | Cd   |
|             |                                  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm  | ppm  |
|             |                                  | 0.3  | 0.05 | 0.02 | 0.05 | 0.01 | 0.05 | 0.02 | 0.03 | 0.01 | 0.05 | 0.01 | 0.1  | 0.1  | 0.1  | 1    | 0.1   | 0.5  | 0.1  |
| 11-BSW-090  | Soil                             | 6.8  | 1.17 | 0.25 | 1.04 | 0.17 | 1.09 | 0.24 | 0.65 | 0.11 | 0.75 | 0.11 | 2.5  | 5.1  | 4.2  | 312  | 42.5  | 6.2  | 0.6  |
| 11-BCQ-0135 | Soil                             | 16.9 | 3.04 | 0.59 | 2.45 | 0.38 | 2.22 | 0.41 | 1.20 | 0.19 | 1.21 | 0.18 | 0.5  | 4.2  | 5.7  | 69   | 7.5   | 4.2  | 0.4  |
| 11-BCQ-0137 | Soil                             | 17.4 | 3.15 | 0.59 | 2.58 | 0.40 | 2.36 | 0.49 | 1.36 | 0.21 | 1.34 | 0.20 | 0.3  | 6.0  | 10.7 | 48   | 8.7   | 6.7  | 0.5  |
| 11-BCQ-0138 | Soil                             | 16.2 | 2.89 | 0.53 | 2.35 | 0.35 | 1.75 | 0.36 | 1.03 | 0.17 | 1.06 | 0.16 | 0.3  | 4.2  | 5.8  | 38   | 10.8  | 3.1  | 0.3  |
| 11-BCQ-0139 | Soil                             | 22.3 | 3.98 | 0.79 | 3.36 | 0.50 | 2.70 | 0.54 | 1.61 | 0.26 | 1.63 | 0.23 | 0.6  | 11.6 | 14.1 | 82   | 18.3  | 6.2  | 0.6  |
| 11-BCQ-0140 | Soil                             | 21.1 | 3.68 | 0.71 | 3.20 | 0.45 | 2.48 | 0.49 | 1.37 | 0.23 | 1.45 | 0.22 | 1.0  | 10.0 | 14.7 | 68   | 18.6  | 12.0 | 0.8  |
| 11-BCQ-0141 | Soil                             | 17.1 | 2.97 | 0.55 | 2.57 | 0.38 | 2.07 | 0.42 | 1.16 | 0.18 | 1.16 | 0.17 | 3.1  | 15.3 | 13.9 | 93   | 20.3  | 8.8  | 1.4  |
| 11-BCQ-0142 | Soil                             | 21.4 | 3.85 | 0.74 | 3.30 | 0.51 | 2.86 | 0.58 | 1.67 | 0.27 | 1.77 | 0.25 | 0.4  | 11.1 | 13.0 | 67   | 10.4  | 8.2  | 0.4  |
| 11-BCQ-0143 | Soil                             | 21.8 | 4.02 | 0.80 | 3.47 | 0.53 | 2.93 | 0.61 | 1.78 | 0.27 | 1.65 | 0.25 | 0.7  | 19.2 | 19.8 | 106  | 15.6  | 11.4 | 0.5  |
| 11-BCQ-0144 | Soil                             | 9.4  | 1.67 | 0.33 | 1.48 | 0.22 | 1.16 | 0.26 | 0.68 | 0.11 | 0.65 | 0.10 | 0.2  | 7.5  | 8.4  | 62   | 5.1   | 7.5  | 0.3  |
| 11-BCQ-0145 | Soil                             | 18.5 | 3.35 | 0.64 | 2.95 | 0.42 | 2.32 | 0.48 | 1.43 | 0.22 | 1.35 | 0.20 | 0.3  | 10.6 | 15.2 | 136  | 9.6   | 6.9  | 1.3  |
| 11-BCQ-0146 | Soil                             | 11.6 | 2.06 | 0.39 | 1.70 | 0.27 | 1.57 | 0.31 | 0.94 | 0.15 | 0.91 | 0.14 | 0.2  | 4.6  | 8.1  | 47   | 5.1   | 5.7  | 0.3  |
| 11-BCQ-0147 | Soil                             | 18.3 | 3.22 | 0.57 | 2.68 | 0.40 | 2.25 | 0.45 | 1.25 | 0.20 | 1.22 | 0.19 | 0.3  | 7.0  | 11.2 | 52   | 8.4   | 8.4  | 0.3  |
| 11-BCQ-0148 | Soil                             | 16.1 | 2.78 | 0.54 | 2.37 | 0.36 | 1.93 | 0.38 | 1.17 | 0.19 | 1.22 | 0.18 | 0.3  | 6.6  | 13.5 | 159  | 7.0   | 7.5  | 0.9  |
| 11-BCQ-0149 | Soil                             | 14.6 | 2.54 | 0.46 | 2.17 | 0.32 | 1.80 | 0.37 | 1.06 | 0.17 | 1.06 | 0.16 | 0.3  | 6.2  | 10.3 | 173  | 7.0   | 5.0  | 0.8  |
| 11-BCQ-0150 | Soil                             | 12.7 | 2.37 | 0.44 | 1.98 | 0.30 | 1.54 | 0.31 | 0.87 | 0.16 | 0.90 | 0.14 | 0.4  | 4.7  | 9.6  | 143  | 5.3   | 5.3  | 0.9  |
| 11-BCQ-0152 | Soil                             | 16.9 | 3.10 | 0.62 | 2.59 | 0.41 | 2.24 | 0.46 | 1.40 | 0.22 | 1.37 | 0.20 | 0.6  | 12.9 | 15.6 | 129  | 13.4  | 8.4  | 1.5  |
| 11-BCQ-0153 | Soil                             | 12.2 | 2.15 | 0.40 | 1.82 | 0.27 | 1.47 | 0.28 | 0.83 | 0.13 | 0.83 | 0.12 | 0.2  | 4.0  | 6.9  | 53   | 6.0   | 3.3  | 0.9  |
| 11-BCQ-0154 | Soil                             | 21.1 | 4.02 | 0.84 | 3.73 | 0.58 | 3.23 | 0.71 | 2.09 | 0.32 | 1.97 | 0.33 | 27.2 | 41.5 | 14.5 | 4845 | 651.9 | 23.6 | 96.9 |
| 11-BCQ-0155 | Soil                             | 22.4 | 4.28 | 0.89 | 3.94 | 0.63 | 3.61 | 0.77 | 2.25 | 0.34 | 2.11 | 0.33 | 8.0  | 30.1 | 20.6 | 1972 | 250.3 | 18.9 | 37.6 |
| 11-BCQ-0156 | Soil                             | 15.4 | 2.71 | 0.52 | 2.34 | 0.34 | 1.92 | 0.36 | 1.15 | 0.18 | 1.15 | 0.18 | 1.2  | 8.7  | 7.8  | 391  | 40.6  | 5.2  | 6.6  |
| 11-BCQ-0158 | Soil                             | 20.2 | 3.59 | 0.73 | 3.10 | 0.48 | 2.57 | 0.52 | 1.58 | 0.25 | 1.58 | 0.25 | 0.7  | 8.2  | 15.8 | 52   | 11.0  | 15.3 | 0.3  |
| 11-BCQ-0160 | Soil                             | 22.6 | 3.99 | 0.74 | 3.23 | 0.48 | 2.65 | 0.54 | 1.70 | 0.27 | 1.71 | 0.25 | 6.7  | 18.8 | 11.0 | 367  | 37.9  | 11.1 | 6.0  |
| 11-BCQ-0161 | Soil                             | 22.5 | 3.87 | 0.79 | 3.29 | 0.51 | 2.80 | 0.56 | 1.72 | 0.27 | 1.63 | 0.27 | 0.5  | 7.1  | 15.3 | 67   | 10.2  | 18.8 | 0.5  |
| 11-BCQ-0118 | Soil                             | 14.1 | 2.62 | 0.51 | 2.18 | 0.33 | 1.90 | 0.35 | 1.10 | 0.16 | 1.04 | 0.16 | 0.2  | 4.6  | 7.2  | 39   | 7.0   | 2.3  | 0.3  |
| 11-MGB-062  | Soil                             | 23.1 | 3.91 | 0.72 | 3.28 | 0.52 | 3.11 | 0.67 | 2.02 | 0.32 | 2.11 | 0.31 | 0.8  | 8.4  | 13.0 | 32   | 13.1  | 4.8  | 0.1  |
| 11-MGB-069  | Soil                             | 27.4 | 4.18 | 0.72 | 3.33 | 0.52 | 3.09 | 0.62 | 2.04 | 0.31 | 2.11 | 0.32 | 1.1  | 11.2 | 12.5 | 39   | 16.3  | 8.1  | 0.1  |



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## CERTIFICATE OF ANALYSIS

VAN11002656.1

|             | Method<br>Analyte<br>Unit<br>MDL | 1DX  | 1DX  | 1DX   | 1DX  | 1DX  |
|-------------|----------------------------------|------|------|-------|------|------|
|             |                                  | Ag   | Au   | Hg    | Tl   | Se   |
|             |                                  | ppm  | ppb  | ppm   | ppm  | ppm  |
|             |                                  | 0.1  | 0.5  | 0.01  | 0.1  | 0.5  |
| 11-BSW-090  | Soil                             | <0.1 | 0.9  | 0.04  | 0.1  | 1.9  |
| 11-BCQ-0135 | Soil                             | <0.1 | 0.9  | 0.02  | <0.1 | <0.5 |
| 11-BCQ-0137 | Soil                             | <0.1 | 1.6  | 0.04  | 0.1  | <0.5 |
| 11-BCQ-0138 | Soil                             | <0.1 | 0.9  | 0.01  | <0.1 | <0.5 |
| 11-BCQ-0139 | Soil                             | <0.1 | 1.9  | 0.06  | 0.2  | 0.6  |
| 11-BCQ-0140 | Soil                             | <0.1 | 1.0  | 0.04  | 0.2  | <0.5 |
| 11-BCQ-0141 | Soil                             | 0.3  | 1.4  | 0.06  | 0.1  | 2.1  |
| 11-BCQ-0142 | Soil                             | <0.1 | 0.6  | 0.04  | <0.1 | <0.5 |
| 11-BCQ-0143 | Soil                             | <0.1 | 3.2  | 0.10  | 0.2  | <0.5 |
| 11-BCQ-0144 | Soil                             | <0.1 | 1.3  | 0.05  | 0.3  | 0.7  |
| 11-BCQ-0145 | Soil                             | <0.1 | 1.6  | 0.05  | 0.3  | 0.5  |
| 11-BCQ-0146 | Soil                             | <0.1 | <0.5 | 0.03  | 0.3  | 0.6  |
| 11-BCQ-0147 | Soil                             | <0.1 | 1.3  | 0.03  | 0.2  | <0.5 |
| 11-BCQ-0148 | Soil                             | <0.1 | <0.5 | 0.04  | <0.1 | 0.5  |
| 11-BCQ-0149 | Soil                             | <0.1 | 1.3  | 0.04  | 0.1  | 0.5  |
| 11-BCQ-0150 | Soil                             | <0.1 | <0.5 | 0.04  | 0.1  | <0.5 |
| 11-BCQ-0152 | Soil                             | <0.1 | 1.2  | 0.06  | <0.1 | 0.8  |
| 11-BCQ-0153 | Soil                             | <0.1 | 0.5  | 0.03  | <0.1 | <0.5 |
| 11-BCQ-0154 | Soil                             | 0.3  | 1.1  | 0.15  | 5.7  | 8.5  |
| 11-BCQ-0155 | Soil                             | 0.3  | 0.9  | 0.09  | 2.3  | 2.1  |
| 11-BCQ-0156 | Soil                             | <0.1 | <0.5 | 0.03  | 0.5  | <0.5 |
| 11-BCQ-0158 | Soil                             | <0.1 | <0.5 | 0.02  | 0.4  | <0.5 |
| 11-BCQ-0160 | Soil                             | 0.4  | <0.5 | 0.07  | 0.6  | 1.5  |
| 11-BCQ-0161 | Soil                             | <0.1 | 0.9  | 0.05  | 0.3  | 0.5  |
| 11-BCQ-0118 | Soil                             | <0.1 | <0.5 | 0.03  | <0.1 | <0.5 |
| 11-MGB-062  | Soil                             | <0.1 | <0.5 | <0.01 | 0.1  | <0.5 |
| 11-MGB-069  | Soil                             | <0.1 | 1.1  | 0.02  | 0.1  | <0.5 |



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Project: TING\_RG

Report Date: July 16, 2011

Page: 1 of 3 Part 1

## QUALITY CONTROL REPORT

VAN11002656.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 4B  | 4B  | 4B   | 4B  | 4B   | 4B   | 4B   | 4B    | 4B  | 4B    | 4B  | 4B   | 4B  | 4B  | 4B   | 4B    | 4B   | 4B   | 4B    |
|---------------------|----------------------------------|-----|-----|------|-----|------|------|------|-------|-----|-------|-----|------|-----|-----|------|-------|------|------|-------|
|                     |                                  | Ba  | Be  | Co   | Cs  | Ga   | Hf   | Nb   | Rb    | Sn  | Sr    | Ta  | Th   | U   | V   | W    | Zr    | Y    | La   | Ce    |
|                     |                                  | ppm | ppm | ppm  | ppm | ppm  | ppm  | ppm  | ppm   | ppm | ppm   | ppm | ppm  | ppm | ppm | ppm  | ppm   | ppm  | ppm  | ppm   |
|                     |                                  | 1   | 1   | 0.2  | 0.1 | 0.5  | 0.1  | 0.1  | 0.1   | 1   | 0.5   | 0.1 | 0.2  | 0.1 | 8   | 0.5  | 0.1   | 0.1  | 0.1  | 0.1   |
| Pulp Duplicates     |                                  |     |     |      |     |      |      |      |       |     |       |     |      |     |     |      |       |      |      |       |
| 11-AAB-0071         | Soil                             | 486 | 1   | 9.0  | 2.8 | 9.7  | 10.5 | 9.1  | 52.8  | 1   | 74.7  | 0.7 | 7.2  | 2.8 | 74  | 0.7  | 435.1 | 22.5 | 23.7 | 49.7  |
| REP 11-AAB-0071     | QC                               | 485 | 1   | 9.0  | 2.8 | 9.1  | 11.3 | 9.3  | 51.5  | 1   | 73.4  | 0.6 | 7.3  | 2.7 | 76  | 0.8  | 449.4 | 21.1 | 21.5 | 44.7  |
| 11-BSW-128          | Soil                             | 762 | 4   | 9.8  | 4.7 | 15.9 | 8.2  | 85.4 | 103.2 | 1   | 234.1 | 4.4 | 17.1 | 4.5 | 110 | 2.6  | 366.9 | 30.2 | 76.5 | 127.0 |
| REP 11-BSW-128      | QC                               | 769 | 4   | 10.0 | 4.5 | 16.3 | 8.3  | 86.3 | 103.5 | 2   | 238.7 | 4.4 | 16.9 | 4.4 | 108 | 2.3  | 381.7 | 29.4 | 76.4 | 127.0 |
| 11-BCQ-0122         | Soil                             | 751 | <1  | 2.1  | 0.7 | 2.4  | 3.0  | 4.3  | 18.1  | <1  | 105.6 | 0.3 | 2.9  | 1.4 | 42  | <0.5 | 123.9 | 9.6  | 12.6 | 23.8  |
| REP 11-BCQ-0122     | QC                               |     |     |      |     |      |      |      |       |     |       |     |      |     |     |      |       |      |      |       |
| 11-BSW-088          | Soil                             | 711 | <1  | 5.1  | 1.6 | 6.0  | 9.0  | 6.2  | 31.1  | <1  | 64.1  | 0.5 | 4.6  | 4.1 | 84  | 0.7  | 377.4 | 16.3 | 15.6 | 29.6  |
| REP 11-BSW-088      | QC                               | 758 | 1   | 5.4  | 1.5 | 4.9  | 9.5  | 5.7  | 31.4  | <1  | 66.7  | 0.4 | 5.1  | 3.9 | 82  | 0.6  | 374.5 | 16.5 | 18.1 | 34.7  |
| 11-AAB-0034         | Soil                             | 528 | 2   | 6.9  | 2.8 | 10.3 | 11.4 | 37.4 | 68.1  | 1   | 174.3 | 1.9 | 13.0 | 4.0 | 77  | 2.2  | 478.3 | 20.6 | 38.2 | 66.0  |
| REP 11-AAB-0034     | QC                               |     |     |      |     |      |      |      |       |     |       |     |      |     |     |      |       |      |      |       |
| 11-BSW-099          | Soil                             | 636 | 1   | 8.1  | 6.3 | 12.8 | 8.1  | 13.0 | 136.8 | 2   | 125.1 | 0.8 | 10.6 | 3.0 | 63  | 29.1 | 291.0 | 22.8 | 36.7 | 67.5  |
| REP 11-BSW-099      | QC                               |     |     |      |     |      |      |      |       |     |       |     |      |     |     |      |       |      |      |       |
| 11-BCQ-0042         | Soil                             | 497 | 2   | 8.2  | 3.4 | 8.6  | 7.9  | 15.2 | 61.6  | 2   | 58.6  | 0.9 | 9.8  | 6.3 | 254 | 2.0  | 298.6 | 28.4 | 43.0 | 80.8  |
| REP 11-BCQ-0042     | QC                               | 499 | 2   | 8.5  | 3.7 | 8.4  | 7.3  | 14.2 | 60.3  | 1   | 58.0  | 1.1 | 9.0  | 6.2 | 256 | 1.6  | 265.9 | 28.3 | 37.9 | 68.4  |
| 11-BCQ-0138         | Soil                             | 565 | <1  | 4.2  | 2.9 | 4.8  | 5.3  | 8.4  | 36.1  | <1  | 75.2  | 0.6 | 6.0  | 1.5 | 56  | <0.5 | 191.3 | 10.7 | 20.5 | 40.9  |
| REP 11-BCQ-0138     | QC                               |     |     |      |     |      |      |      |       |     |       |     |      |     |     |      |       |      |      |       |
| Reference Materials |                                  |     |     |      |     |      |      |      |       |     |       |     |      |     |     |      |       |      |      |       |
| STD DS8             | Standard                         |     |     |      |     |      |      |      |       |     |       |     |      |     |     |      |       |      |      |       |
| STD DS8             | Standard                         |     |     |      |     |      |      |      |       |     |       |     |      |     |     |      |       |      |      |       |
| STD DS8             | Standard                         |     |     |      |     |      |      |      |       |     |       |     |      |     |     |      |       |      |      |       |
| STD DS8             | Standard                         |     |     |      |     |      |      |      |       |     |       |     |      |     |     |      |       |      |      |       |
| STD DS8             | Standard                         |     |     |      |     |      |      |      |       |     |       |     |      |     |     |      |       |      |      |       |
| STD DS8             | Standard                         |     |     |      |     |      |      |      |       |     |       |     |      |     |     |      |       |      |      |       |
| STD DS8             | Standard                         |     |     |      |     |      |      |      |       |     |       |     |      |     |     |      |       |      |      |       |
| STD OREAS45CA       | Standard                         |     |     |      |     |      |      |      |       |     |       |     |      |     |     |      |       |      |      |       |
| STD OREAS45CA       | Standard                         |     |     |      |     |      |      |      |       |     |       |     |      |     |     |      |       |      |      |       |
| STD OREAS45CA       | Standard                         |     |     |      |     |      |      |      |       |     |       |     |      |     |     |      |       |      |      |       |
| STD OREAS45CA       | Standard                         |     |     |      |     |      |      |      |       |     |       |     |      |     |     |      |       |      |      |       |



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Page: 1 of 3 Part 2

## QUALITY CONTROL REPORT

VAN11002656.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 1DX  | 1DX   | 1DX   | 1DX | 1DX   | 1DX  | 1DX  | 1DX  |      |
|---------------------|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-----|-------|------|------|------|------|
|                     |                                  | Nd   | Sm   | Eu   | Gd   | Tb   | Dy   | Ho   | Er   | Tm   | Yb   | Lu   | Mo   | Cu    | Pb    | Zn  | Ni    | As   | Cd   | Sb   | Bi   |
|                     |                                  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm   | ppm | ppm   | ppm  | ppm  | ppm  | ppm  |
|                     |                                  | 0.3  | 0.05 | 0.02 | 0.05 | 0.01 | 0.05 | 0.02 | 0.03 | 0.01 | 0.05 | 0.01 | 0.1  | 0.1   | 0.1   | 1   | 0.1   | 0.5  | 0.1  | 0.1  | 0.1  |
| Pulp Duplicates     |                                  |      |      |      |      |      |      |      |      |      |      |      |      |       |       |     |       |      |      |      |      |
| 11-AAB-0071         | Soil                             | 22.0 | 4.01 | 0.84 | 3.57 | 0.60 | 3.59 | 0.72 | 2.19 | 0.34 | 2.18 | 0.34 | 1.2  | 12.4  | 9.2   | 51  | 19.7  | 6.2  | 0.2  | 0.2  | 0.1  |
| REP 11-AAB-0071     | QC                               | 19.5 | 3.93 | 0.80 | 3.46 | 0.58 | 3.43 | 0.69 | 2.00 | 0.34 | 2.15 | 0.34 |      |       |       |     |       |      |      |      |      |
| 11-BSW-128          | Soil                             | 47.1 | 7.25 | 1.61 | 6.00 | 0.90 | 5.16 | 1.04 | 2.95 | 0.47 | 2.89 | 0.45 | 2.1  | 18.1  | 16.0  | 87  | 26.7  | 9.4  | 0.3  | 0.2  | 0.2  |
| REP 11-BSW-128      | QC                               | 48.0 | 7.31 | 1.62 | 6.16 | 0.90 | 4.97 | 1.04 | 2.95 | 0.46 | 2.93 | 0.45 |      |       |       |     |       |      |      |      |      |
| 11-BCQ-0122         | Soil                             | 10.3 | 1.88 | 0.38 | 1.68 | 0.27 | 1.50 | 0.31 | 0.84 | 0.14 | 0.84 | 0.14 | 0.6  | 4.3   | 6.8   | 52  | 7.2   | 4.7  | 0.8  | 0.9  | <0.1 |
| REP 11-BCQ-0122     | QC                               |      |      |      |      |      |      |      |      |      |      |      | 0.6  | 4.2   | 7.0   | 50  | 7.4   | 4.9  | 0.8  | 1.0  | <0.1 |
| 11-BSW-088          | Soil                             | 14.8 | 2.76 | 0.55 | 2.31 | 0.40 | 2.34 | 0.52 | 1.59 | 0.23 | 1.47 | 0.24 | 2.0  | 8.9   | 7.6   | 68  | 14.1  | 5.1  | 0.7  | 0.4  | <0.1 |
| REP 11-BSW-088      | QC                               | 15.3 | 3.00 | 0.60 | 2.59 | 0.44 | 2.43 | 0.54 | 1.49 | 0.25 | 1.56 | 0.26 |      |       |       |     |       |      |      |      |      |
| 11-AAB-0034         | Soil                             | 22.6 | 4.28 | 0.88 | 3.54 | 0.60 | 3.21 | 0.72 | 2.27 | 0.35 | 2.12 | 0.35 | 1.6  | 9.2   | 9.5   | 56  | 14.1  | 4.6  | 0.2  | 0.2  | 0.1  |
| REP 11-AAB-0034     | QC                               |      |      |      |      |      |      |      |      |      |      |      | 1.7  | 9.7   | 10.2  | 60  | 14.9  | 5.3  | 0.3  | 0.2  | 0.1  |
| 11-BSW-099          | Soil                             | 27.8 | 5.26 | 1.19 | 4.57 | 0.71 | 3.60 | 0.78 | 2.48 | 0.36 | 2.24 | 0.36 | 11.6 | 38.4  | 332.1 | 328 | 13.9  | 26.3 | 1.2  | 0.6  | 2.2  |
| REP 11-BSW-099      | QC                               |      |      |      |      |      |      |      |      |      |      |      | 11.4 | 37.2  | 332.4 | 334 | 13.4  | 26.1 | 1.2  | 0.7  | 1.7  |
| 11-BCQ-0042         | Soil                             | 37.4 | 6.29 | 1.23 | 5.35 | 0.79 | 4.36 | 0.88 | 2.50 | 0.39 | 2.52 | 0.37 | 6.3  | 41.9  | 18.1  | 90  | 29.1  | 18.4 | 0.9  | 1.2  | 0.2  |
| REP 11-BCQ-0042     | QC                               | 31.8 | 5.78 | 1.24 | 5.04 | 0.78 | 4.05 | 0.88 | 2.63 | 0.40 | 2.49 | 0.39 |      |       |       |     |       |      |      |      |      |
| 11-BCQ-0138         | Soil                             | 16.2 | 2.89 | 0.53 | 2.35 | 0.35 | 1.75 | 0.36 | 1.03 | 0.17 | 1.06 | 0.16 | 0.3  | 4.2   | 5.8   | 38  | 10.8  | 3.1  | 0.3  | 0.2  | <0.1 |
| REP 11-BCQ-0138     | QC                               |      |      |      |      |      |      |      |      |      |      |      | 0.3  | 4.7   | 5.3   | 40  | 11.6  | 3.4  | 0.2  | 0.2  | <0.1 |
| Reference Materials |                                  |      |      |      |      |      |      |      |      |      |      |      |      |       |       |     |       |      |      |      |      |
| STD DS8             | Standard                         |      |      |      |      |      |      |      |      |      |      |      | 12.2 | 111.2 | 121.1 | 306 | 37.7  | 23.4 | 2.3  | 4.9  | 6.0  |
| STD DS8             | Standard                         |      |      |      |      |      |      |      |      |      |      |      | 12.7 | 115.3 | 118.0 | 310 | 35.6  | 24.5 | 2.2  | 5.2  | 6.9  |
| STD DS8             | Standard                         |      |      |      |      |      |      |      |      |      |      |      | 12.0 | 113.2 | 128.5 | 310 | 39.0  | 27.4 | 2.5  | 4.5  | 6.9  |
| STD DS8             | Standard                         |      |      |      |      |      |      |      |      |      |      |      | 12.2 | 105.2 | 115.3 | 296 | 36.3  | 27.1 | 2.2  | 4.8  | 6.5  |
| STD DS8             | Standard                         |      |      |      |      |      |      |      |      |      |      |      | 14.3 | 111.2 | 128.7 | 338 | 36.2  | 29.2 | 2.7  | 4.0  | 7.2  |
| STD DS8             | Standard                         |      |      |      |      |      |      |      |      |      |      |      | 12.1 | 102.7 | 108.9 | 301 | 35.3  | 25.3 | 2.4  | 3.5  | 5.5  |
| STD DS8             | Standard                         |      |      |      |      |      |      |      |      |      |      |      | 13.3 | 107.4 | 116.2 | 320 | 36.8  | 26.7 | 2.4  | 4.2  | 6.3  |
| STD OREAS45CA       | Standard                         |      |      |      |      |      |      |      |      |      |      |      | 0.9  | 445.8 | 18.8  | 54  | 213.1 | 3.8  | <0.1 | 0.2  | 0.2  |
| STD OREAS45CA       | Standard                         |      |      |      |      |      |      |      |      |      |      |      | 0.7  | 437.7 | 19.0  | 59  | 198.8 | 3.0  | 0.1  | 0.1  | 0.2  |
| STD OREAS45CA       | Standard                         |      |      |      |      |      |      |      |      |      |      |      | 0.8  | 480.7 | 21.1  | 66  | 237.2 | 4.5  | 0.2  | <0.1 | 0.2  |
| STD OREAS45CA       | Standard                         |      |      |      |      |      |      |      |      |      |      |      | 1.1  | 457.5 | 19.8  | 60  | 219.9 | 4.1  | 0.1  | 0.2  | 0.2  |



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July 16, 2011

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Part 3

## QUALITY CONTROL REPORT

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|                     |          | Method<br>Analyte<br>Unit<br>MDL | 1DX  | 1DX   | 1DX  | 1DX  | 1DX  |
|---------------------|----------|----------------------------------|------|-------|------|------|------|
|                     |          |                                  | Ag   | Au    | Hg   | Tl   | Se   |
|                     |          |                                  | ppm  | ppb   | ppm  | ppm  | ppm  |
|                     |          |                                  | 0.1  | 0.5   | 0.01 | 0.1  | 0.5  |
| Pulp Duplicates     |          |                                  |      |       |      |      |      |
| 11-AAB-0071         | Soil     |                                  | <0.1 | 0.7   | 0.01 | <0.1 | 0.6  |
| REP 11-AAB-0071     | QC       |                                  |      |       |      |      |      |
| 11-BSW-128          | Soil     |                                  | 0.2  | 0.9   | 0.03 | 0.2  | 0.7  |
| REP 11-BSW-128      | QC       |                                  |      |       |      |      |      |
| 11-BCQ-0122         | Soil     |                                  | <0.1 | <0.5  | 0.01 | <0.1 | <0.5 |
| REP 11-BCQ-0122     | QC       |                                  | <0.1 | 1.2   | 0.01 | <0.1 | <0.5 |
| 11-BSW-088          | Soil     |                                  | 0.1  | 0.6   | 0.04 | <0.1 | 2.0  |
| REP 11-BSW-088      | QC       |                                  |      |       |      |      |      |
| 11-AAB-0034         | Soil     |                                  | <0.1 | 0.8   | 0.02 | <0.1 | 0.5  |
| REP 11-AAB-0034     | QC       |                                  | <0.1 | <0.5  | 0.03 | <0.1 | 0.9  |
| 11-BSW-099          | Soil     |                                  | 0.4  | 7.4   | 0.04 | 0.9  | <0.5 |
| REP 11-BSW-099      | QC       |                                  | 0.3  | 5.3   | 0.05 | 0.9  | <0.5 |
| 11-BCQ-0042         | Soil     |                                  | 0.2  | 1.4   | 0.08 | 0.3  | 2.2  |
| REP 11-BCQ-0042     | QC       |                                  |      |       |      |      |      |
| 11-BCQ-0138         | Soil     |                                  | <0.1 | 0.9   | 0.01 | <0.1 | <0.5 |
| REP 11-BCQ-0138     | QC       |                                  | <0.1 | <0.5  | 0.02 | <0.1 | <0.5 |
| Reference Materials |          |                                  |      |       |      |      |      |
| STD DS8             | Standard |                                  | 1.9  | 102.0 | 0.17 | 4.8  | 5.2  |
| STD DS8             | Standard |                                  | 1.9  | 95.1  | 0.18 | 5.2  | 5.6  |
| STD DS8             | Standard |                                  | 2.0  | 88.9  | 0.18 | 5.2  | 5.2  |
| STD DS8             | Standard |                                  | 1.6  | 97.5  | 0.16 | 5.0  | 5.9  |
| STD DS8             | Standard |                                  | 1.8  | 107.2 | 0.19 | 5.6  | 5.5  |
| STD DS8             | Standard |                                  | 1.8  | 100.8 | 0.20 | 5.0  | 4.5  |
| STD DS8             | Standard |                                  | 1.8  | 108.4 | 0.20 | 5.5  | 5.7  |
| STD OREAS45CA       | Standard |                                  | 0.2  | 35.8  | 0.02 | <0.1 | <0.5 |
| STD OREAS45CA       | Standard |                                  | 0.3  | 36.4  | 0.04 | <0.1 | 0.6  |
| STD OREAS45CA       | Standard |                                  | 0.3  | 35.2  | 0.03 | <0.1 | 0.6  |
| STD OREAS45CA       | Standard |                                  | 0.3  | 43.8  | 0.03 | <0.1 | <0.5 |



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## QUALITY CONTROL REPORT

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|                        |          | 4B<br>Ba<br>ppm<br>1 | 4B<br>Be<br>ppm<br>1 | 4B<br>Co<br>ppm<br>0.2 | 4B<br>Cs<br>ppm<br>0.1 | 4B<br>Ga<br>ppm<br>0.5 | 4B<br>Hf<br>ppm<br>0.1 | 4B<br>Nb<br>ppm<br>0.1 | 4B<br>Rb<br>ppm<br>0.1 | 4B<br>Sn<br>ppm<br>1 | 4B<br>Sr<br>ppm<br>0.5 | 4B<br>Ta<br>ppm<br>0.1 | 4B<br>Th<br>ppm<br>0.2 | 4B<br>U<br>ppm<br>0.1 | 4B<br>V<br>ppm<br>8 | 4B<br>W<br>ppm<br>0.5 | 4B<br>Zr<br>ppm<br>0.1 | 4B<br>Y<br>ppm<br>0.1 | 4B<br>La<br>ppm<br>0.1 | 4B<br>Ce<br>ppm<br>0.1 | 4B<br>Pr<br>ppm<br>0.02 |
|------------------------|----------|----------------------|----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|----------------------|------------------------|------------------------|------------------------|-----------------------|---------------------|-----------------------|------------------------|-----------------------|------------------------|------------------------|-------------------------|
| STD OREAS45CA          | Standard |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD OREAS45CA          | Standard |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD OREAS45CA          | Standard |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD OREAS45CA          | Standard |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD SO-18              | Standard | 513                  | 1                    | 26.2                   | 7.0                    | 16.9                   | 9.1                    | 20.2                   | 27.7                   | 15                   | 401.2                  | 7.2                    | 10.0                   | 15.8                  | 199                 | 14.1                  | 283.6                  | 30.2                  | 12.3                   | 27.0                   | 3.29                    |
| STD SO-18              | Standard | 516                  | 2                    | 25.3                   | 6.8                    | 17.4                   | 9.1                    | 20.5                   | 27.4                   | 15                   | 401.3                  | 6.9                    | 10.2                   | 15.5                  | 194                 | 14.0                  | 283.2                  | 29.9                  | 11.9                   | 25.8                   | 3.27                    |
| STD SO-18              | Standard | 517                  | <1                   | 26.4                   | 6.9                    | 17.3                   | 8.8                    | 20.4                   | 27.2                   | 15                   | 397.4                  | 6.9                    | 9.7                    | 15.8                  | 198                 | 13.8                  | 280.8                  | 30.3                  | 12.1                   | 26.4                   | 3.26                    |
| STD SO-18              | Standard | 509                  | <1                   | 26.5                   | 7.1                    | 17.6                   | 8.9                    | 19.7                   | 27.4                   | 14                   | 390.6                  | 6.9                    | 9.3                    | 15.2                  | 190                 | 14.0                  | 273.2                  | 27.2                  | 11.7                   | 25.7                   | 3.24                    |
| STD SO-18              | Standard | 531                  | 1                    | 27.3                   | 7.2                    | 18.1                   | 10.0                   | 21.2                   | 29.0                   | 16                   | 422.6                  | 7.3                    | 10.7                   | 16.4                  | 201                 | 14.4                  | 301.2                  | 31.1                  | 12.3                   | 27.9                   | 3.39                    |
| STD SO-18              | Standard | 538                  | 2                    | 28.0                   | 7.2                    | 18.5                   | 9.7                    | 21.4                   | 28.8                   | 15                   | 420.7                  | 7.4                    | 10.4                   | 16.5                  | 199                 | 14.7                  | 302.2                  | 31.2                  | 12.2                   | 27.4                   | 3.39                    |
| STD SO-18              | Standard | 521                  | 1                    | 26.7                   | 7.0                    | 17.5                   | 9.2                    | 20.3                   | 27.5                   | 15                   | 416.4                  | 7.2                    | 10.3                   | 15.7                  | 194                 | 13.5                  | 282.6                  | 29.7                  | 11.7                   | 26.5                   | 3.20                    |
| STD SO-18              | Standard | 502                  | <1                   | 25.7                   | 6.7                    | 16.6                   | 9.1                    | 19.6                   | 26.4                   | 14                   | 391.7                  | 6.9                    | 10.4                   | 15.6                  | 187                 | 12.8                  | 272.6                  | 26.4                  | 11.5                   | 25.5                   | 3.16                    |
| STD SO-18              | Standard | 497                  | <1                   | 25.1                   | 6.8                    | 17.0                   | 9.3                    | 19.6                   | 26.8                   | 14                   | 385.2                  | 7.2                    | 9.7                    | 15.5                  | 191                 | 15.0                  | 291.1                  | 33.6                  | 11.2                   | 25.9                   | 3.10                    |
| STD SO-18              | Standard | 501                  | <1                   | 25.5                   | 6.9                    | 17.7                   | 9.7                    | 20.1                   | 27.2                   | 14                   | 392.5                  | 7.4                    | 10.1                   | 16.1                  | 192                 | 15.1                  | 295.0                  | 33.8                  | 11.3                   | 26.2                   | 3.12                    |
| STD SO-18              | Standard | 544                  | 1                    | 27.7                   | 7.2                    | 19.8                   | 10.0                   | 22.0                   | 28.9                   | 16                   | 435.4                  | 7.6                    | 10.2                   | 16.3                  | 196                 | 15.5                  | 310.4                  | 32.1                  | 12.5                   | 27.8                   | 3.38                    |
| STD SO-18              | Standard | 566                  | <1                   | 28.3                   | 7.4                    | 19.8                   | 9.9                    | 23.6                   | 29.8                   | 15                   | 448.5                  | 7.9                    | 11.0                   | 16.8                  | 201                 | 15.7                  | 320.8                  | 33.2                  | 12.8                   | 28.8                   | 3.46                    |
| STD SO-18              | Standard | 499                  | <1                   | 26.0                   | 6.8                    | 17.3                   | 9.0                    | 19.9                   | 27.2                   | 14                   | 394.8                  | 7.1                    | 10.0                   | 15.5                  | 201                 | 13.4                  | 279.9                  | 29.2                  | 11.9                   | 26.6                   | 3.22                    |
| STD SO-18              | Standard | 505                  | <1                   | 25.7                   | 6.8                    | 16.6                   | 9.1                    | 20.7                   | 26.9                   | 14                   | 392.0                  | 7.5                    | 9.6                    | 15.5                  | 195                 | 12.9                  | 278.6                  | 29.9                  | 11.7                   | 26.0                   | 3.17                    |
| STD SO-18 Expected     |          | 514                  | 1                    | 26.2                   | 7.1                    | 17.6                   | 9.8                    | 21.3                   | 28.7                   | 15                   | 407.4                  | 7.4                    | 9.9                    | 16.4                  | 200                 | 14.8                  | 280                    | 31                    | 12.3                   | 27.1                   | 3.45                    |
| STD DS8 Expected       |          |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD OREAS45CA Expected |          |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| BLK                    | Blank    |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| BLK                    | Blank    |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| BLK                    | Blank    |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| BLK                    | Blank    |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| BLK                    | Blank    |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| BLK                    | Blank    | <1                   | <1                   | <0.2                   | <0.1                   | <0.5                   | <0.1                   | <0.1                   | <0.1                   | <1                   | <0.5                   | <0.1                   | <0.2                   | <0.1                  | <8                  | <0.5                  | 1.2                    | <0.1                  | <0.1                   | <0.1                   | <0.02                   |
| BLK                    | Blank    |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| BLK                    | Blank    | <1                   | <1                   | <0.2                   | <0.1                   | <0.5                   | <0.1                   | <0.1                   | <0.1                   | <1                   | <0.5                   | <0.1                   | <0.2                   | <0.1                  | <8                  | <0.5                  | 1.5                    | <0.1                  | <0.1                   | <0.1                   | <0.02                   |



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## QUALITY CONTROL REPORT

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|                        |          | 4B   | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 1DX   | 1DX   | 1DX   | 1DX  | 1DX | 1DX   | 1DX  | 1DX  |
|------------------------|----------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----|-------|------|------|
|                        |          | Nd   | Sm    | Eu    | Gd    | Tb    | Dy    | Ho    | Er    | Tm    | Yb    | Lu    | Mo    | Cu    | Pb   | Zn  | Ni    | As   | Cd   |
|                        |          | ppm  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm  | ppm | ppm   | ppm  | ppm  |
|                        |          | 0.3  | 0.05  | 0.02  | 0.05  | 0.01  | 0.05  | 0.02  | 0.03  | 0.01  | 0.05  | 0.01  | 0.1   | 0.1   | 0.1  | 1   | 0.1   | 0.5  | 0.1  |
| STD OREAS45CA          | Standard |      |       |       |       |       |       |       |       |       |       |       | 0.8   | 481.1 | 22.8 | 62  | 240.6 | 4.4  | 0.1  |
| STD OREAS45CA          | Standard |      |       |       |       |       |       |       |       |       |       |       | 0.7   | 463.7 | 19.9 | 58  | 230.0 | 3.6  | 0.1  |
| STD OREAS45CA          | Standard |      |       |       |       |       |       |       |       |       |       |       | 0.7   | 402.7 | 19.0 | 57  | 197.6 | 3.0  | <0.1 |
| STD OREAS45CA          | Standard |      |       |       |       |       |       |       |       |       |       |       | 0.8   | 496.3 | 18.3 | 61  | 230.8 | 3.4  | <0.1 |
| STD SO-18              | Standard | 13.6 | 2.79  | 0.85  | 2.86  | 0.48  | 2.87  | 0.62  | 1.74  | 0.27  | 1.82  | 0.27  |       |       |      |     |       |      |      |
| STD SO-18              | Standard | 13.5 | 2.82  | 0.87  | 2.82  | 0.48  | 2.99  | 0.60  | 1.78  | 0.28  | 1.75  | 0.26  |       |       |      |     |       |      |      |
| STD SO-18              | Standard | 12.7 | 2.79  | 0.86  | 2.78  | 0.49  | 2.90  | 0.61  | 1.77  | 0.27  | 1.76  | 0.26  |       |       |      |     |       |      |      |
| STD SO-18              | Standard | 13.3 | 2.81  | 0.85  | 2.78  | 0.47  | 3.03  | 0.58  | 1.72  | 0.26  | 1.66  | 0.26  |       |       |      |     |       |      |      |
| STD SO-18              | Standard | 14.3 | 2.98  | 0.88  | 2.95  | 0.51  | 3.05  | 0.62  | 1.87  | 0.29  | 1.81  | 0.28  |       |       |      |     |       |      |      |
| STD SO-18              | Standard | 14.0 | 3.04  | 0.88  | 3.01  | 0.50  | 3.02  | 0.62  | 1.90  | 0.29  | 1.84  | 0.27  |       |       |      |     |       |      |      |
| STD SO-18              | Standard | 13.4 | 2.82  | 0.85  | 2.93  | 0.49  | 2.98  | 0.59  | 1.74  | 0.27  | 1.70  | 0.26  |       |       |      |     |       |      |      |
| STD SO-18              | Standard | 12.8 | 2.72  | 0.84  | 2.88  | 0.47  | 2.89  | 0.59  | 1.69  | 0.26  | 1.69  | 0.26  |       |       |      |     |       |      |      |
| STD SO-18              | Standard | 12.7 | 2.75  | 0.83  | 2.78  | 0.51  | 2.79  | 0.60  | 1.72  | 0.29  | 1.71  | 0.26  |       |       |      |     |       |      |      |
| STD SO-18              | Standard | 13.0 | 2.83  | 0.83  | 2.82  | 0.53  | 2.87  | 0.59  | 1.73  | 0.27  | 1.71  | 0.26  |       |       |      |     |       |      |      |
| STD SO-18              | Standard | 13.6 | 2.99  | 0.87  | 2.88  | 0.50  | 3.00  | 0.62  | 1.79  | 0.28  | 1.72  | 0.26  |       |       |      |     |       |      |      |
| STD SO-18              | Standard | 14.3 | 3.08  | 0.91  | 2.95  | 0.51  | 2.99  | 0.63  | 1.81  | 0.29  | 1.79  | 0.27  |       |       |      |     |       |      |      |
| STD SO-18              | Standard | 13.2 | 2.79  | 0.84  | 2.84  | 0.48  | 2.83  | 0.59  | 1.72  | 0.27  | 1.75  | 0.26  |       |       |      |     |       |      |      |
| STD SO-18              | Standard | 12.9 | 2.84  | 0.83  | 2.82  | 0.49  | 2.95  | 0.62  | 1.80  | 0.29  | 1.85  | 0.27  |       |       |      |     |       |      |      |
| STD SO-18 Expected     |          | 14   | 3     | 0.89  | 2.93  | 0.53  | 3     | 0.62  | 1.84  | 0.27  | 1.79  | 0.27  |       |       |      |     |       |      |      |
| STD DS8 Expected       |          |      |       |       |       |       |       |       |       |       |       |       | 13.44 | 110   | 123  | 312 | 38.1  | 26   | 2.38 |
| STD OREAS45CA Expected |          |      |       |       |       |       |       |       |       |       |       |       | 1     | 494   | 20   | 60  | 240   | 3.8  | 0.1  |
| BLK                    | Blank    |      |       |       |       |       |       |       |       |       |       |       | <0.1  | <0.1  | <0.1 | <1  | <0.1  | <0.5 | <0.1 |
| BLK                    | Blank    |      |       |       |       |       |       |       |       |       |       |       | <0.1  | <0.1  | <0.1 | <1  | <0.1  | <0.5 | <0.1 |
| BLK                    | Blank    |      |       |       |       |       |       |       |       |       |       |       | <0.1  | <0.1  | <0.1 | <1  | <0.1  | <0.5 | <0.1 |
| BLK                    | Blank    |      |       |       |       |       |       |       |       |       |       |       | <0.1  | <0.1  | <0.1 | <1  | <0.1  | <0.5 | <0.1 |
| BLK                    | Blank    |      |       |       |       |       |       |       |       |       |       |       | <0.1  | <0.1  | <0.1 | <1  | <0.1  | <0.5 | <0.1 |
| BLK                    | Blank    | <0.3 | <0.05 | <0.02 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 |       |       |      |     |       |      |      |
| BLK                    | Blank    |      |       |       |       |       |       |       |       |       |       |       | <0.1  | <0.1  | <0.1 | <1  | <0.1  | <0.5 | <0.1 |
| BLK                    | Blank    | <0.3 | <0.05 | <0.02 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 |       |       |      |     |       |      |      |



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**Project:** TING\_RG

**Report Date:** July 16, 2011

**Page:** 2 of 3 **Part** 3

## QUALITY CONTROL REPORT

VAN11002656.1

|                        |          | 1DX<br>Ag<br>ppm<br>0.1 | 1DX<br>Au<br>ppb<br>0.5 | 1DX<br>Hg<br>ppm<br>0.01 | 1DX<br>Tl<br>ppm<br>0.1 | 1DX<br>Se<br>ppm<br>0.5 |
|------------------------|----------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|
| STD OREAS45CA          | Standard | 0.3                     | 44.5                    | 0.03                     | <0.1                    | 0.6                     |
| STD OREAS45CA          | Standard | 0.3                     | 43.8                    | 0.02                     | <0.1                    | 0.9                     |
| STD OREAS45CA          | Standard | 0.3                     | 39.6                    | 0.03                     | <0.1                    | <0.5                    |
| STD OREAS45CA          | Standard | 0.4                     | 54.7                    | 0.04                     | <0.1                    | <0.5                    |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18 Expected     |          |                         |                         |                          |                         |                         |
| STD DS8 Expected       |          | 1.69                    | 107                     | 0.192                    | 5.4                     | 5.23                    |
| STD OREAS45CA Expected |          | 0.275                   | 43                      | 0.03                     | 0.07                    | 0.5                     |
| BLK                    | Blank    | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| BLK                    | Blank    | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| BLK                    | Blank    | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| BLK                    | Blank    | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| BLK                    | Blank    | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| BLK                    | Blank    |                         |                         |                          |                         |                         |
| BLK                    | Blank    | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| BLK                    | Blank    |                         |                         |                          |                         |                         |



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Project: TING\_RG

Report Date: July 16, 2011

Page: 3 of 3 Part 1

## QUALITY CONTROL REPORT

VAN11002656.1

|     |       | 4B<br>Ba<br>ppm<br>1 | 4B<br>Be<br>ppm<br>1 | 4B<br>Co<br>ppm<br>0.2 | 4B<br>Cs<br>ppm<br>0.1 | 4B<br>Ga<br>ppm<br>0.5 | 4B<br>Hf<br>ppm<br>0.1 | 4B<br>Nb<br>ppm<br>0.1 | 4B<br>Rb<br>ppm<br>0.1 | 4B<br>Sn<br>ppm<br>1 | 4B<br>Sr<br>ppm<br>0.5 | 4B<br>Ta<br>ppm<br>0.1 | 4B<br>Th<br>ppm<br>0.2 | 4B<br>U<br>ppm<br>0.1 | 4B<br>V<br>ppm<br>8 | 4B<br>W<br>ppm<br>0.5 | 4B<br>Zr<br>ppm<br>0.1 | 4B<br>Y<br>ppm<br>0.1 | 4B<br>La<br>ppm<br>0.1 | 4B<br>Ce<br>ppm<br>0.1 | 4B<br>Pr<br>ppm<br>0.02 |
|-----|-------|----------------------|----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|----------------------|------------------------|------------------------|------------------------|-----------------------|---------------------|-----------------------|------------------------|-----------------------|------------------------|------------------------|-------------------------|
| BLK | Blank |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| BLK | Blank | <1                   | <1                   | <0.2                   | <0.1                   | <0.5                   | <0.1                   | <0.1                   | <0.1                   | <1                   | <0.5                   | <0.1                   | <0.2                   | <0.1                  | <8                  | <0.5                  | <0.1                   | <0.1                  | <0.1                   | <0.1                   | <0.02                   |
| BLK | Blank | <1                   | <1                   | <0.2                   | <0.1                   | <0.5                   | <0.1                   | <0.1                   | <0.1                   | <1                   | <0.5                   | <0.1                   | <0.2                   | <0.1                  | <8                  | <0.5                  | <0.1                   | <0.1                  | <0.1                   | <0.1                   | <0.02                   |
| BLK | Blank | <1                   | <1                   | <0.2                   | <0.1                   | <0.5                   | <0.1                   | <0.1                   | <0.1                   | <1                   | <0.5                   | <0.1                   | <0.2                   | <0.1                  | <8                  | <0.5                  | <0.1                   | <0.1                  | <0.1                   | <0.1                   | <0.02                   |
| BLK | Blank | <1                   | <1                   | <0.2                   | <0.1                   | <0.5                   | <0.1                   | <0.1                   | <0.1                   | <1                   | <0.5                   | <0.1                   | <0.2                   | <0.1                  | <8                  | <0.5                  | <0.1                   | <0.1                  | <0.1                   | <0.1                   | <0.02                   |
| BLK | Blank | <1                   | <1                   | <0.2                   | <0.1                   | <0.5                   | <0.1                   | <0.1                   | <0.1                   | <1                   | <0.5                   | <0.1                   | <0.2                   | <0.1                  | <8                  | <0.5                  | 1.1                    | <0.1                  | <0.1                   | <0.1                   | <0.02                   |
| BLK | Blank |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |



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Report Date: July 16, 2011

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## QUALITY CONTROL REPORT

VAN11002656.1

|     |       | 4B   | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 1DX   | 1DX  | 1DX  | 1DX  | 1DX | 1DX  | 1DX  | 1DX  |
|-----|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|-----|------|------|------|
|     |       | Nd   | Sm    | Eu    | Gd    | Tb    | Dy    | Ho    | Er    | Tm    | Yb    | Lu    | Mo   | Cu   | Pb   | Zn  | Ni   | As   | Cd   |
|     |       | ppm  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm  | ppm  | ppm  | ppm | ppm  | ppm  | ppm  |
|     |       | 0.3  | 0.05  | 0.02  | 0.05  | 0.01  | 0.05  | 0.02  | 0.03  | 0.01  | 0.05  | 0.01  | 0.1  | 0.1  | 0.1  | 1   | 0.1  | 0.5  | 0.1  |
| BLK | Blank |      |       |       |       |       |       |       |       |       |       |       | <0.1 | <0.1 | <0.1 | <1  | <0.1 | <0.5 | <0.1 |
| BLK | Blank | <0.3 | <0.05 | <0.02 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 |      |      |      |     |      |      |      |
| BLK | Blank | <0.3 | <0.05 | <0.02 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 |      |      |      |     |      |      |      |
| BLK | Blank | <0.3 | <0.05 | <0.02 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 |      |      |      |     |      |      |      |
| BLK | Blank | <0.3 | <0.05 | <0.02 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 |      |      |      |     |      |      |      |
| BLK | Blank | <0.3 | <0.05 | <0.02 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 |      |      |      |     |      |      |      |
| BLK | Blank | <0.3 | <0.05 | <0.02 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 | <0.1 | <0.1 | <0.1 | <1  | <0.1 | <0.5 | <0.1 |



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**Project:** TING\_RG

**Report Date:** July 16, 2011

**Page:** 3 of 3 **Part** 3

## QUALITY CONTROL REPORT

VAN11002656.1

|     |       | 1DX<br>Ag<br>ppm<br>0.1 | 1DX<br>Au<br>ppb<br>0.5 | 1DX<br>Hg<br>ppm<br>0.01 | 1DX<br>Tl<br>ppm<br>0.1 | 1DX<br>Se<br>ppm<br>0.5 |
|-----|-------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|
| BLK | Blank | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| BLK | Blank |                         |                         |                          |                         |                         |
| BLK | Blank |                         |                         |                          |                         |                         |
| BLK | Blank |                         |                         |                          |                         |                         |
| BLK | Blank |                         |                         |                          |                         |                         |
| BLK | Blank |                         |                         |                          |                         |                         |
| BLK | Blank | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |



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Submitted By: Allison Brand

Receiving Lab: Canada-Vancouver

Received: June 17, 2011

Report Date: July 16, 2011

Page: 1 of 4

## CERTIFICATE OF ANALYSIS

VAN11002657.1

### CLIENT JOB INFORMATION

Project: TING\_RG  
Shipment ID:  
P.O. Number  
Number of Samples: 83

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                                  | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|---------------------------------------------------|--------------|---------------|-----|
| R200-250    | 81                | Crush, split and pulverize 250 g rock to 200 mesh |              |               | VAN |
| 4B02        | 81                | LiBO2/Li2B4O7 fusion ICP-MS analysis              | 0.2          | Completed     | VAN |

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT Store After 90 days Invoice for Storage

### 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: Harsbo Minerals Ltd.  
4758 Victory Street  
Burnaby BC V5J 1S2  
Canada

CC: Michael Burns  
Lee A. Groat  
Thomas Hasek  
David Turner



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: TING\_RG

Report Date: July 16, 2011

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## CERTIFICATE OF ANALYSIS

VAN11002657.1

|             | Method<br>Analyte<br>Unit<br>MDL | WGHT   | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     |
|-------------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|             |                                  | Wgt    | Ba     | Be     | Co     | Cs     | Ga     | Hf     | Nb     | Rb     | Sn     | Sr     | Ta     | Th     | U      | V      | W      | Zr     | Y      | La     | Ce     |
|             |                                  | kg     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
|             |                                  | 0.01   | 1      | 1      | 0.2    | 0.1    | 0.5    | 0.1    | 0.1    | 0.1    | 1      | 0.5    | 0.1    | 0.2    | 0.1    | 8      | 0.5    | 0.1    | 0.1    | 0.1    | 0.1    |
| 11-AAB-0001 | Rock                             | 0.54   | 146    | 2      | 33.4   | 0.6    | 18.8   | 7.0    | 16.1   | 17.2   | 2      | 81.5   | 0.8    | 6.1    | 1.5    | 372    | 0.7    | 248.3  | 55.1   | 21.3   | 53.8   |
| 11-AAB-0003 | Rock                             | 0.89   | 136    | 3      | 21.9   | 3.2    | 15.7   | 4.6    | 11.2   | 104.4  | 2      | 59.0   | 0.4    | 3.7    | 1.1    | 222    | 0.6    | 161.8  | 41.9   | 15.1   | 34.7   |
| 11-AAB-0006 | Rock                             | 0.54   | 37     | <1     | 30.1   | 0.5    | 6.1    | 1.7    | 4.5    | 13.6   | <1     | 112.4  | 0.2    | 1.2    | 0.8    | 185    | <0.5   | 59.1   | 19.5   | 12.1   | 28.6   |
| 11-AAB-0009 | Rock                             | 0.85   | 113    | 2      | 49.5   | 0.2    | 22.8   | 6.5    | 16.4   | 1.0    | 3      | 86.1   | 1.2    | 5.6    | 1.4    | 495    | 0.9    | 248.4  | 50.0   | 19.8   | 47.2   |
| 11-AAB-0020 | Rock                             | 0.26   | 304    | 2      | 21.3   | 0.5    | 15.2   | 10.2   | 22.0   | 28.9   | 3      | 90.6   | 1.0    | 8.6    | 2.6    | 173    | 1.2    | 364.9  | 77.3   | 34.0   | 82.2   |
| 11-AAB-0021 | Rock                             | 0.85   | 67     | <1     | 12.4   | 0.3    | 9.8    | 1.5    | 5.0    | 5.0    | 6      | 30.3   | 0.4    | 1.3    | 0.4    | 90     | <0.5   | 42.9   | 9.0    | 8.8    | 16.6   |
| 11-AAB-0022 | Rock                             | 1.01   | 149    | <1     | 80.1   | 1.8    | 23.0   | 3.8    | 30.0   | 54.7   | 2      | 150.9  | 1.9    | 2.2    | 0.6    | 339    | <0.5   | 150.2  | 20.0   | 19.7   | 47.6   |
| 11-AAB-0023 | Rock                             | 0.74   | 53     | <1     | 43.0   | <0.1   | 18.8   | 3.5    | 8.1    | 6.1    | 1      | 66.3   | 0.5    | 2.5    | 0.6    | 400    | <0.5   | 126.6  | 32.5   | 23.2   | 48.0   |
| 11-AAB-0028 | Rock                             | 0.63   | 323    | 2      | 11.4   | 2.8    | 11.7   | 3.9    | 10.2   | 110.9  | 3      | 87.2   | 0.7    | 11.0   | 1.7    | 61     | 1.0    | 147.2  | 27.3   | 32.1   | 66.2   |
| 11-AAB-0051 | Rock                             | 0.62   | 80     | <1     | 0.5    | <0.1   | <0.5   | 8.6    | 2.3    | 1.4    | <1     | 13.2   | 0.2    | 2.0    | 0.8    | 12     | <0.5   | 380.4  | 4.4    | 5.5    | 11.3   |
| 11-AAB-0058 | Rock                             | 1.10   | 654    | 1      | 36.9   | 6.7    | 18.5   | 4.0    | 30.8   | 59.6   | 1      | 223.6  | 1.6    | 4.2    | 0.8    | 221    | 0.7    | 160.3  | 21.5   | 26.7   | 58.9   |
| 11-AAB-0059 | Rock                             | 1.01   | 504    | <1     | 12.3   | 1.0    | 11.4   | 4.4    | 35.7   | 30.4   | 2      | 350.3  | 1.9    | 4.9    | 1.0    | 213    | 0.8    | 183.9  | 19.3   | 26.3   | 60.3   |
| 11-AAB-0060 | Rock                             | 1.02   | 1057   | 1      | 3.7    | 0.3    | 5.2    | 0.8    | 2.5    | 47.5   | 2      | 36.3   | <0.1   | 1.3    | 1.2    | 63     | 137.8  | 28.8   | 2.2    | 5.6    | 11.3   |
| 11-AAB-0064 | Rock                             | 0.51   | 9      | <1     | 0.9    | 0.5    | 6.2    | 0.2    | 0.5    | 1.6    | 7      | 23.7   | <0.1   | 0.3    | 0.1    | 17     | 2.0    | 5.0    | 1.1    | 1.2    | 2.2    |
| 11-AAB-0066 | Rock                             | 1.82   | 439    | <1     | 7.6    | 9.6    | 20.2   | 3.6    | 10.1   | 86.6   | <1     | 404.8  | 0.6    | 9.9    | 1.8    | 83     | 1.0    | 129.6  | 16.0   | 28.2   | 59.4   |
| 11-BSW-007  | Rock                             | 1.41   | 41157  | <1     | 0.2    | 0.1    | 0.6    | 0.8    | 0.8    | 1.7    | <1     | 336.7  | 0.8    | 0.4    | 0.2    | <8     | <0.5   | 3.8    | 2.3    | 3.1    | 6.2    |
| 11-BSW-019  | Rock                             | 1.31   | 40     | <1     | 0.3    | <0.1   | <0.5   | <0.1   | 0.2    | 0.5    | <1     | 37.3   | <0.1   | <0.2   | 0.1    | <8     | <0.5   | 1.9    | 1.2    | 1.2    | 3.1    |
| 11-BSW-020  | Rock                             | 0.63   | 313    | 1      | 22.1   | 3.8    | 12.3   | 3.6    | 9.6    | 68.8   | 1      | 89.7   | 0.6    | 7.0    | 2.0    | 127    | 0.9    | 127.2  | 21.3   | 21.1   | 48.1   |
| 11-BSW-021  | Rock                             | 0.56   | 207    | <1     | 40.5   | 3.0    | 17.0   | 3.2    | 29.1   | 53.0   | <1     | 114.8  | 1.5    | 3.2    | 0.6    | 201    | <0.5   | 119.6  | 15.8   | 22.3   | 46.9   |
| 11-BSW-025  | Rock                             | 0.74   | 333    | <1     | 46.6   | 0.6    | 21.6   | 8.4    | 85.0   | 11.6   | 2      | 189.4  | 5.7    | 9.8    | 2.1    | 325    | 1.2    | 331.2  | 31.5   | 64.6   | 145.6  |
| 11-BSW-031  | Rock                             | 0.80   | 2076   | <1     | 6.1    | 1.9    | 4.4    | 4.5    | 20.3   | 33.5   | <1     | 66.4   | 1.3    | 5.2    | 2.2    | 28     | 2.5    | 175.5  | 13.8   | 15.4   | 33.4   |
| 11-BSW-033  | Rock                             | 0.85   | 47     | <1     | 1.0    | 0.1    | <0.5   | <0.1   | 1.3    | 1.7    | <1     | 29.2   | <0.1   | 0.5    | 0.4    | <8     | <0.5   | 4.9    | 1.7    | 1.7    | 3.6    |
| 11-BSW-051  | Rock                             | 1.43   | 62     | <1     | 4.7    | 0.2    | 0.8    | 0.4    | 1.0    | 8.5    | <1     | 30.6   | <0.1   | 0.9    | 0.9    | 11     | 0.6    | 13.0   | 2.8    | 4.6    | 8.6    |
| 11-BSW-097  | Rock                             | 1.54   | 252    | <1     | 21.9   | 1.6    | 14.8   | 6.1    | 40.1   | 27.6   | 2      | 177.4  | 2.3    | 5.6    | 1.5    | 193    | 0.9    | 251.0  | 23.4   | 31.3   | 68.8   |
| 11-BSW-100  | Rock                             | 1.32   | 768    | 4      | 1.3    | 9.2    | 15.8   | 3.9    | 83.7   | 378.6  | 3      | 75.8   | 5.5    | 56.0   | 10.5   | 13     | 4.2    | 128.2  | 9.5    | 13.2   | 76.8   |
| 11-BSW-102  | Rock                             | 1.37   | 435    | 3      | 4.4    | 3.5    | 6.4    | 3.3    | 4.7    | 113.7  | <1     | 246.9  | 0.3    | 4.5    | 1.8    | 22     | 5.0    | 136.7  | 8.6    | 16.3   | 34.4   |
| 11-BSW-103  | Rock                             | 2.27   | 1999   | 1      | 3.2    | 1.4    | 8.8    | 2.2    | 3.3    | 47.7   | <1     | 25.7   | 0.2    | 3.5    | 1.0    | 19     | 8.0    | 88.1   | 1.8    | 3.0    | 13.4   |
| 11-BSW-037  | Rock                             | 0.81   | 12     | <1     | 1.8    | 0.1    | <0.5   | 0.2    | 1.1    | 2.3    | <1     | 35.9   | <0.1   | 0.8    | 0.3    | 10     | 0.6    | 12.6   | 2.9    | 3.0    | 4.8    |
| 11-BSW-044  | Rock                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11-BSW-050  | Rock                             | 2.78   | >50000 | <1     | 7.9    | 0.3    | 1.3    | 0.6    | 0.6    | 7.5    | <1     | 2948   | 1.0    | 0.8    | 0.7    | 13     | 2.0    | 8.8    | 2.9    | 5.8    | 10.5   |



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Report Date: July 16, 2011

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## CERTIFICATE OF ANALYSIS

VAN11002657.1

|             | Method<br>Analyte<br>Unit<br>MDL | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 1DX    | 1DX    | 1DX    | 1DX    | 1DX    | 1DX    | 1DX    | 1DX    |
|-------------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|             |                                  | Pr     | Nd     | Sm     | Eu     | Gd     | Tb     | Dy     | Ho     | Er     | Tm     | Yb     | Lu     | Mo     | Cu     | Pb     | Zn     | Ni     | As     | Cd     | Sb     |
|             |                                  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
|             |                                  | 0.02   | 0.3    | 0.05   | 0.02   | 0.05   | 0.01   | 0.05   | 0.02   | 0.03   | 0.01   | 0.05   | 0.01   | 0.1    | 0.1    | 0.1    | 1      | 0.1    | 0.5    | 0.1    | 0.1    |
| 11-AAB-0001 | Rock                             | 7.21   | 34.9   | 8.56   | 2.09   | 9.55   | 1.59   | 10.19  | 1.95   | 6.12   | 0.89   | 5.42   | 0.81   | 0.4    | 137.8  | 2.9    | 103    | 34.2   | <0.5   | <0.1   | <0.1   |
| 11-AAB-0003 | Rock                             | 4.43   | 20.9   | 5.94   | 1.68   | 6.91   | 1.16   | 7.21   | 1.39   | 4.21   | 0.63   | 3.68   | 0.60   | 0.1    | 1.0    | 7.2    | 17     | 13.4   | <0.5   | <0.1   | 0.2    |
| 11-AAB-0006 | Rock                             | 3.36   | 16.1   | 3.40   | 1.02   | 3.64   | 0.61   | 3.35   | 0.69   | 1.98   | 0.30   | 1.74   | 0.25   | <0.1   | 4.3    | 3.7    | 31     | 16.9   | <0.5   | <0.1   | <0.1   |
| 11-AAB-0009 | Rock                             | 5.75   | 25.9   | 7.03   | 1.54   | 8.14   | 1.45   | 9.57   | 1.85   | 5.49   | 0.84   | 5.16   | 0.77   | 0.5    | 1647   | 3.4    | 260    | 55.3   | <0.5   | 0.4    | <0.1   |
| 11-AAB-0020 | Rock                             | 10.33  | 46.5   | 11.69  | 2.81   | 12.79  | 2.18   | 13.03  | 2.74   | 7.75   | 1.21   | 7.72   | 1.13   | 0.4    | 28.4   | 6.8    | 70     | 16.9   | <0.5   | <0.1   | <0.1   |
| 11-AAB-0021 | Rock                             | 2.02   | 9.0    | 2.12   | 0.82   | 2.17   | 0.31   | 1.82   | 0.32   | 0.89   | 0.15   | 0.91   | 0.12   | 0.2    | 1416   | 9.9    | 59     | 10.2   | <0.5   | <0.1   | <0.1   |
| 11-AAB-0022 | Rock                             | 5.84   | 24.8   | 5.52   | 1.64   | 5.52   | 0.85   | 4.23   | 0.78   | 1.94   | 0.24   | 1.61   | 0.20   | 0.3    | 517.4  | 1.4    | 126    | 144.3  | <0.5   | <0.1   | <0.1   |
| 11-AAB-0023 | Rock                             | 6.33   | 26.4   | 5.84   | 1.84   | 6.09   | 1.00   | 5.79   | 1.20   | 3.45   | 0.50   | 3.36   | 0.47   | 0.3    | 201.9  | 3.1    | 117    | 53.9   | <0.5   | <0.1   | <0.1   |
| 11-AAB-0028 | Rock                             | 7.99   | 29.4   | 5.94   | 1.08   | 5.78   | 0.90   | 4.83   | 0.92   | 2.72   | 0.42   | 2.73   | 0.37   | <0.1   | 1.8    | 3.2    | 34     | 17.8   | <0.5   | <0.1   | 0.1    |
| 11-AAB-0051 | Rock                             | 1.27   | 5.0    | 0.75   | 0.11   | 0.72   | 0.10   | 0.67   | 0.16   | 0.52   | 0.09   | 0.69   | 0.13   | 0.2    | 2.9    | 1.8    | 2      | 0.7    | 0.7    | <0.1   | 0.1    |
| 11-AAB-0058 | Rock                             | 6.86   | 28.6   | 5.71   | 1.81   | 5.37   | 0.81   | 4.33   | 0.83   | 2.12   | 0.29   | 1.76   | 0.25   | <0.1   | 33.5   | 2.4    | 79     | 37.2   | 2.0    | <0.1   | <0.1   |
| 11-AAB-0059 | Rock                             | 7.30   | 28.9   | 5.75   | 1.61   | 4.83   | 0.71   | 3.92   | 0.79   | 2.31   | 0.33   | 2.14   | 0.31   | 0.2    | 42.2   | 5.9    | 37     | 10.0   | <0.5   | 0.2    | <0.1   |
| 11-AAB-0060 | Rock                             | 1.13   | 4.0    | 0.74   | 0.23   | 0.65   | 0.07   | 0.48   | 0.08   | 0.23   | 0.02   | 0.23   | 0.02   | 3.8    | 3.0    | 1.0    | 10     | 0.6    | <0.5   | <0.1   | <0.1   |
| 11-AAB-0064 | Rock                             | 0.23   | 1.0    | 0.11   | 0.11   | 0.16   | 0.02   | 0.19   | <0.02  | 0.04   | 0.01   | 0.10   | 0.01   | 7.4    | 4.4    | 774.9  | 199    | 1.6    | <0.5   | 0.3    | 0.1    |
| 11-AAB-0066 | Rock                             | 6.18   | 22.5   | 4.03   | 1.00   | 3.08   | 0.49   | 2.73   | 0.54   | 1.58   | 0.25   | 1.59   | 0.25   | 0.2    | 10.1   | 5.3    | 67     | 5.5    | <0.5   | <0.1   | <0.1   |
| 11-BSW-007  | Rock                             | 0.61   | 2.7    | 0.45   | 0.45   | 0.59   | 0.06   | 0.23   | 0.09   | 0.17   | 0.02   | 0.16   | 0.02   | <0.1   | 3.4    | 3.9    | 11     | 2.8    | <0.5   | 0.1    | <0.1   |
| 11-BSW-019  | Rock                             | 0.34   | 1.6    | 0.30   | 0.04   | 0.29   | 0.04   | 0.22   | 0.04   | 0.07   | <0.01  | <0.05  | <0.01  | <0.1   | 1.9    | 4.4    | 4      | 0.6    | 1.7    | <0.1   | <0.1   |
| 11-BSW-020  | Rock                             | 5.29   | 21.5   | 4.16   | 0.97   | 4.20   | 0.63   | 4.02   | 0.79   | 2.12   | 0.35   | 2.10   | 0.32   | <0.1   | 1.9    | 6.3    | 58     | 18.7   | <0.5   | 0.2    | <0.1   |
| 11-BSW-021  | Rock                             | 5.56   | 23.9   | 4.68   | 1.69   | 4.40   | 0.62   | 3.18   | 0.58   | 1.54   | 0.19   | 1.37   | 0.17   | 0.3    | 54.2   | 3.9    | 76     | 115.1  | 0.8    | 0.1    | <0.1   |
| 11-BSW-025  | Rock                             | 17.42  | 70.1   | 12.56  | 3.37   | 10.64  | 1.42   | 7.25   | 1.18   | 2.96   | 0.37   | 2.18   | 0.29   | 0.5    | 12.3   | 4.3    | 184    | 90.5   | <0.5   | 0.1    | <0.1   |
| 11-BSW-031  | Rock                             | 3.37   | 12.1   | 2.33   | 0.45   | 2.73   | 0.45   | 2.81   | 0.53   | 1.53   | 0.23   | 1.47   | 0.20   | 0.5    | 1.4    | 1.7    | 23     | 15.1   | 13.1   | <0.1   | <0.1   |
| 11-BSW-033  | Rock                             | 0.40   | 1.7    | 0.36   | 0.07   | 0.37   | 0.04   | 0.28   | 0.05   | 0.12   | <0.01  | 0.10   | <0.01  | 0.3    | 18.4   | 457.7  | 630    | 1.7    | 45.6   | 7.2    | 4.4    |
| 11-BSW-051  | Rock                             | 0.89   | 3.8    | 0.52   | 0.14   | 0.60   | 0.08   | 0.45   | 0.09   | 0.31   | 0.04   | 0.25   | 0.03   | 0.1    | 20.8   | 9.1    | 357    | 6.9    | <0.5   | 0.8    | 1.3    |
| 11-BSW-097  | Rock                             | 7.69   | 32.4   | 6.44   | 1.77   | 6.04   | 0.94   | 5.12   | 1.00   | 2.50   | 0.36   | 2.27   | 0.33   | 0.2    | 8.8    | 4.7    | 23     | 14.6   | <0.5   | <0.1   | <0.1   |
| 11-BSW-100  | Rock                             | 2.64   | 8.5    | 1.27   | 0.19   | 1.04   | 0.22   | 1.63   | 0.40   | 1.37   | 0.24   | 1.97   | 0.28   | 2.7    | 16.5   | 80.8   | 57     | 1.3    | 2.4    | 0.2    | <0.1   |
| 11-BSW-102  | Rock                             | 3.63   | 13.5   | 2.11   | 0.44   | 1.90   | 0.27   | 1.59   | 0.29   | 0.78   | 0.13   | 0.83   | 0.12   | 29.2   | 1.2    | 10.7   | 46     | 8.0    | <0.5   | 0.1    | <0.1   |
| 11-BSW-103  | Rock                             | 0.85   | 3.4    | 0.57   | 0.13   | 0.51   | 0.07   | 0.34   | 0.08   | 0.21   | 0.04   | 0.27   | 0.05   | 9.5    | 14.0   | 1900   | 540    | 8.3    | <0.5   | 0.6    | 0.2    |
| 11-BSW-037  | Rock                             | 0.59   | 2.5    | 0.59   | 0.16   | 0.61   | 0.10   | 0.54   | 0.11   | 0.27   | 0.04   | 0.28   | 0.03   | <0.1   | 27.0   | 3.6    | 24     | 3.7    | <0.5   | <0.1   | 0.2    |
| 11-BSW-044  | Rock                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11-BSW-050  | Rock                             | 1.01   | 3.6    | 0.60   | <0.02  | 1.13   | 0.10   | 0.54   | 0.15   | 0.34   | 0.04   | 0.23   | 0.03   | 0.1    | 45.0   | 14.5   | 419    | 7.5    | <0.5   | 1.1    | 2.2    |



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**Report Date:** July 16, 2011

**Page:** 2 of 4 Part 3

## CERTIFICATE OF ANALYSIS

VAN11002657.1

|             | Method<br>Analyte<br>Unit<br>MDL | 1DX    | 1DX    | 1DX    | 1DX    | 1DX    | 1DX    |
|-------------|----------------------------------|--------|--------|--------|--------|--------|--------|
|             |                                  | Bi     | Ag     | Au     | Hg     | Tl     | Se     |
|             |                                  | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    |
|             |                                  | 0.1    | 0.1    | 0.5    | 0.01   | 0.1    | 0.5    |
| 11-AAB-0001 | Rock                             | <0.1   | <0.1   | 2.7    | <0.01  | <0.1   | <0.5   |
| 11-AAB-0003 | Rock                             | <0.1   | <0.1   | 1.1    | <0.01  | <0.1   | <0.5   |
| 11-AAB-0006 | Rock                             | <0.1   | <0.1   | 1.4    | <0.01  | <0.1   | <0.5   |
| 11-AAB-0009 | Rock                             | 0.2    | 1.3    | 1.8    | <0.01  | <0.1   | <0.5   |
| 11-AAB-0020 | Rock                             | <0.1   | <0.1   | <0.5   | <0.01  | <0.1   | <0.5   |
| 11-AAB-0021 | Rock                             | <0.1   | 0.2    | 1.6    | <0.01  | <0.1   | 0.6    |
| 11-AAB-0022 | Rock                             | 0.3    | 0.6    | 4.5    | <0.01  | <0.1   | <0.5   |
| 11-AAB-0023 | Rock                             | <0.1   | <0.1   | 1.2    | <0.01  | <0.1   | <0.5   |
| 11-AAB-0028 | Rock                             | 0.1    | <0.1   | <0.5   | <0.01  | <0.1   | <0.5   |
| 11-AAB-0051 | Rock                             | <0.1   | <0.1   | 1.2    | <0.01  | <0.1   | <0.5   |
| 11-AAB-0058 | Rock                             | <0.1   | <0.1   | 0.6    | <0.01  | 0.5    | <0.5   |
| 11-AAB-0059 | Rock                             | <0.1   | <0.1   | 1.0    | <0.01  | <0.1   | <0.5   |
| 11-AAB-0060 | Rock                             | <0.1   | <0.1   | <0.5   | <0.01  | <0.1   | <0.5   |
| 11-AAB-0064 | Rock                             | 1.3    | 0.7    | <0.5   | <0.01  | <0.1   | <0.5   |
| 11-AAB-0066 | Rock                             | 0.2    | <0.1   | <0.5   | <0.01  | 0.2    | <0.5   |
| 11-BSW-007  | Rock                             | <0.1   | <0.1   | 0.9    | <0.01  | <0.1   | <0.5   |
| 11-BSW-019  | Rock                             | <0.1   | <0.1   | 0.8    | <0.01  | <0.1   | <0.5   |
| 11-BSW-020  | Rock                             | <0.1   | <0.1   | <0.5   | <0.01  | <0.1   | <0.5   |
| 11-BSW-021  | Rock                             | <0.1   | <0.1   | 1.3    | <0.01  | <0.1   | <0.5   |
| 11-BSW-025  | Rock                             | <0.1   | <0.1   | <0.5   | <0.01  | <0.1   | <0.5   |
| 11-BSW-031  | Rock                             | <0.1   | <0.1   | 1.0    | 0.02   | <0.1   | 0.6    |
| 11-BSW-033  | Rock                             | <0.1   | 0.1    | 0.6    | 0.18   | 0.1    | <0.5   |
| 11-BSW-051  | Rock                             | <0.1   | <0.1   | 1.1    | <0.01  | <0.1   | <0.5   |
| 11-BSW-097  | Rock                             | <0.1   | <0.1   | <0.5   | <0.01  | <0.1   | <0.5   |
| 11-BSW-100  | Rock                             | 0.4    | <0.1   | 1.2    | <0.01  | 0.4    | <0.5   |
| 11-BSW-102  | Rock                             | 0.6    | 0.1    | 0.7    | <0.01  | 0.2    | <0.5   |
| 11-BSW-103  | Rock                             | 1.3    | 1.0    | 1.0    | 0.01   | <0.1   | <0.5   |
| 11-BSW-037  | Rock                             | <0.1   | <0.1   | 0.7    | 0.01   | <0.1   | <0.5   |
| 11-BSW-044  | Rock                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11-BSW-050  | Rock                             | <0.1   | <0.1   | 0.7    | <0.01  | <0.1   | <0.5   |



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Project: TING\_RG

Report Date: July 16, 2011

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## CERTIFICATE OF ANALYSIS

VAN11002657.1

|              | Method<br>Analyte<br>Unit<br>MDL | WGHT | 4B   | 4B  | 4B   | 4B   | 4B   | 4B   | 4B    | 4B    | 4B  | 4B    | 4B   | 4B   | 4B   | 4B  | 4B   | 4B    | 4B   | 4B    | 4B    |
|--------------|----------------------------------|------|------|-----|------|------|------|------|-------|-------|-----|-------|------|------|------|-----|------|-------|------|-------|-------|
|              |                                  | Wgt  | Ba   | Be  | Co   | Cs   | Ga   | Hf   | Nb    | Rb    | Sn  | Sr    | Ta   | Th   | U    | V   | W    | Zr    | Y    | La    | Ce    |
|              |                                  | kg   | ppm  | ppm | ppm  | ppm  | ppm  | ppm  | ppm   | ppm   | ppm | ppm   | ppm  | ppm  | ppm  | ppm | ppm  | ppm   | ppm  | ppm   | ppm   |
|              |                                  | 0.01 | 1    | 1   | 0.2  | 0.1  | 0.5  | 0.1  | 0.1   | 0.1   | 1   | 0.5   | 0.1  | 0.2  | 0.1  | 8   | 0.5  | 0.1   | 0.1  | 0.1   | 0.1   |
| 11-BSW-052   | Rock                             | 1.74 | 227  | <1  | 4.9  | <0.1 | 0.9  | 0.4  | 1.8   | 8.3   | <1  | 71.4  | <0.1 | 1.2  | 1.3  | 12  | <0.5 | 23.0  | 3.3  | 6.5   | 12.6  |
| 11-BSW-054   | Rock                             | 1.30 | 231  | 1   | <0.2 | 0.3  | 0.7  | 4.1  | 1.0   | 7.3   | <1  | 13.1  | <0.1 | 1.2  | 0.5  | <8  | <0.5 | 157.5 | 1.9  | 6.5   | 13.7  |
| 11-BSW-056   | Rock                             | 2.42 | 104  | <1  | 0.3  | 0.1  | 0.9  | 2.5  | 0.6   | 8.0   | <1  | 7.8   | <0.1 | 0.6  | 0.4  | <8  | <0.5 | 108.0 | 1.7  | 1.7   | 2.7   |
| 11-BCQ-0006  | Rock                             | 1.23 | 49   | 1   | 1.5  | 0.3  | 0.7  | 1.9  | 1.4   | 8.4   | <1  | 46.4  | <0.1 | 1.3  | 0.9  | <8  | <0.5 | 86.2  | 3.4  | 5.3   | 10.6  |
| 11-BCQ-0008B | Rock                             | 1.11 | 72   | <1  | 1.5  | 0.6  | 2.1  | 3.2  | 2.3   | 11.7  | <1  | 49.9  | 0.1  | 1.9  | 1.2  | 17  | <0.5 | 126.0 | 4.8  | 7.2   | 14.1  |
| 11-BCQ-0082  | Rock                             | 1.76 | 64   | <1  | 0.4  | <0.1 | 2.3  | 14.4 | 4.2   | 1.3   | <1  | 19.7  | 0.4  | 3.9  | 1.5  | 13  | <0.5 | 572.7 | 9.8  | 10.4  | 21.8  |
| 11-BCQ-0083  | Rock                             | 2.13 | 77   | <1  | 0.6  | <0.1 | 1.3  | 14.8 | 3.4   | 1.5   | <1  | 30.9  | 0.3  | 3.6  | 1.4  | 12  | <0.5 | 570.2 | 7.6  | 9.8   | 20.4  |
| 11-BCQ-0084  | Rock                             | 1.61 | 33   | 8   | 0.7  | 3.6  | 23.7 | 21.3 | 384.6 | 199.5 | 2   | 10.3  | 21.9 | 63.0 | 14.7 | <8  | 2.6  | 1182  | 29.8 | 176.2 | 279.7 |
| 11-BCQ-0088  | Rock                             | 1.35 | 28   | 8   | 0.9  | 3.0  | 23.1 | 20.4 | 371.6 | 196.9 | 2   | 54.8  | 21.9 | 62.4 | 14.2 | <8  | 5.6  | 1130  | 28.6 | 174.6 | 284.0 |
| 11-BCQ-0089  | Rock                             | 1.29 | 30   | <1  | 0.4  | 0.1  | 1.1  | 4.2  | 2.7   | 2.3   | <1  | 8.9   | 0.3  | 1.5  | 0.6  | 12  | 4.5  | 160.9 | 5.1  | 5.3   | 10.1  |
| 11-BCQ-0093  | Rock                             | 1.10 | 29   | <1  | 0.4  | 0.1  | 1.2  | 7.7  | 3.2   | 1.7   | <1  | 17.1  | 0.3  | 2.1  | 0.8  | 12  | <0.5 | 293.5 | 7.6  | 6.1   | 12.2  |
| 11-BCQ-0094  | Rock                             | 0.92 | 35   | <1  | 0.5  | 0.1  | 1.5  | 8.4  | 2.1   | 1.2   | <1  | 47.2  | 0.1  | 2.1  | 0.8  | 15  | <0.5 | 293.5 | 5.5  | 10.1  | 23.5  |
| 11-BCQ-0096  | Rock                             | 0.70 | 55   | <1  | 0.3  | <0.1 | 0.5  | 6.4  | 1.7   | 0.6   | <1  | 10.7  | 0.1  | 1.8  | 0.6  | <8  | <0.5 | 253.2 | 5.1  | 5.8   | 10.9  |
| 11-BCQ-0008A | Rock                             | 1.13 | 58   | <1  | 1.3  | 0.6  | 1.8  | 2.3  | 2.1   | 10.9  | <1  | 47.4  | 0.1  | 1.9  | 1.2  | <8  | <0.5 | 89.2  | 4.3  | 6.4   | 12.8  |
| 11-BCQ-0012  | Rock                             | 2.08 | 23   | <1  | 0.4  | 0.1  | <0.5 | <0.1 | 0.2   | 0.8   | <1  | 7.5   | <0.1 | <0.2 | 0.2  | <8  | <0.5 | 2.1   | 0.9  | 1.1   | 1.8   |
| 11-BCQ-0058  | Rock                             | 2.88 | 28   | <1  | 4.3  | 0.3  | 1.5  | 2.1  | 1.4   | 10.7  | <1  | 43.0  | <0.1 | 1.4  | 1.0  | 12  | <0.5 | 77.4  | 5.4  | 5.2   | 10.5  |
| 11-BCQ-0060  | Rock                             | 1.92 | 14   | <1  | 2.0  | 0.1  | <0.5 | 1.1  | 0.6   | 4.3   | <1  | 75.0  | <0.1 | 0.8  | 0.4  | <8  | <0.5 | 33.3  | 2.5  | 3.3   | 6.5   |
| 11-BCQ-0061  | Rock                             | 0.96 | 8    | <1  | 1.3  | <0.1 | <0.5 | <0.1 | <0.1  | 1.0   | <1  | 44.4  | <0.1 | <0.2 | 0.6  | <8  | <0.5 | 2.1   | 1.4  | 1.2   | 2.4   |
| 11-BCQ-0064  | Rock                             | 1.23 | 16   | <1  | 0.9  | <0.1 | <0.5 | <0.1 | <0.1  | 0.5   | <1  | 47.5  | <0.1 | <0.2 | 0.4  | <8  | <0.5 | 0.9   | 0.7  | 0.7   | 1.2   |
| 11-MGB-024   | Rock                             | 1.93 | 185  | <1  | 16.7 | <0.1 | 7.6  | 1.4  | 4.2   | 0.2   | <1  | 83.3  | 0.3  | 3.5  | 1.1  | 85  | <0.5 | 52.9  | 17.7 | 40.3  | 87.0  |
| 11-MGB-026   | Rock                             | 1.63 | 62   | <1  | 57.7 | 1.0  | 17.8 | 5.6  | 35.7  | 20.9  | 3   | 139.4 | 2.5  | 6.1  | 1.9  | 285 | 1.0  | 193.4 | 27.0 | 39.0  | 85.6  |
| 11-MGB-074   | Rock                             | 0.62 | 7    | <1  | 1.0  | <0.1 | 0.7  | 1.8  | 1.3   | 0.5   | <1  | 21.4  | 0.1  | 1.8  | 0.6  | 8   | <0.5 | 72.8  | 2.1  | 7.0   | 11.8  |
| 11-MGB-076   | Rock                             | 1.17 | 11   | <1  | 0.6  | <0.1 | 1.0  | 22.2 | 2.0   | 1.8   | <1  | 10.5  | 0.2  | 2.5  | 1.9  | <8  | <0.5 | 886.0 | 7.7  | 14.3  | 23.0  |
| 11-MGB-077   | Rock                             | 3.19 | 10   | <1  | 1.3  | <0.1 | 0.9  | 7.5  | 1.5   | 0.8   | <1  | 15.8  | 0.1  | 2.7  | 1.1  | <8  | <0.5 | 309.5 | 4.7  | 10.4  | 15.9  |
| 11-MGB-079   | Rock                             | 2.23 | 8    | <1  | 0.3  | <0.1 | 0.8  | 1.7  | 0.9   | 2.5   | <1  | 15.2  | <0.1 | 1.5  | 0.4  | <8  | <0.5 | 66.0  | 2.3  | 8.3   | 16.2  |
| 11-MGB-090   | Rock                             | 2.40 | 218  | <1  | 0.3  | 1.6  | 2.2  | 1.5  | 1.8   | 45.3  | 3   | 22.3  | 0.1  | 2.3  | 0.6  | 10  | 3.8  | 62.6  | 1.0  | 3.9   | 8.6   |
| 11-MGB-091   | Rock                             | 2.00 | 325  | 2   | 16.5 | 3.7  | 17.2 | 1.1  | 0.5   | 44.2  | 2   | 196.0 | <0.1 | 2.3  | 1.6  | 11  | <0.5 | 37.8  | 9.1  | 14.6  | 40.9  |
| 11-MGB-092   | Rock                             | 1.05 | 92   | <1  | 0.7  | 1.2  | 3.1  | 0.4  | 0.4   | 25.8  | <1  | 1.7   | <0.1 | 0.6  | 0.5  | 13  | 3.0  | 13.4  | 2.0  | 2.9   | 4.3   |
| 11-BCQ-0132  | Rock                             | 1.65 | 1823 | 3   | 14.4 | 1.8  | 16.8 | 7.1  | 194.7 | 118.4 | 1   | 1302  | 10.7 | 23.9 | 6.8  | 83  | 1.5  | 391.9 | 24.3 | 153.6 | 259.3 |
| 11-BCQ-0134  | Rock                             | 0.70 | 2163 | 3   | 14.3 | 1.9  | 15.3 | 6.9  | 186.3 | 93.1  | <1  | 3247  | 9.7  | 22.4 | 5.4  | 82  | 1.0  | 375.3 | 23.5 | 139.1 | 239.8 |



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Report Date: July 16, 2011

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## CERTIFICATE OF ANALYSIS

VAN11002657.1

|              | Method<br>Analyte<br>Unit<br>MDL | 4B    | 4B   | 4B    | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B    | 4B    | 4B    | 1DX   | 1DX   | 1DX   | 1DX  | 1DX  | 1DX  | 1DX  |
|--------------|----------------------------------|-------|------|-------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|------|------|------|------|
|              |                                  | Pr    | Nd   | Sm    | Eu   | Gd   | Tb   | Dy   | Ho   | Er   | Tm    | Yb    | Lu    | Mo    | Cu    | Pb    | Zn   | Ni   | As   | Cd   |
|              |                                  | ppm   | ppm  | ppm   | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm  | ppm  | ppm  | ppm  |
|              |                                  | 0.02  | 0.3  | 0.05  | 0.02 | 0.05 | 0.01 | 0.05 | 0.02 | 0.03 | 0.01  | 0.05  | 0.01  | 0.1   | 0.1   | 0.1   | 1    | 0.1  | 0.5  | 0.1  |
| 11-BSW-052   | Rock                             | 1.23  | 5.2  | 0.84  | 0.20 | 0.84 | 0.12 | 0.70 | 0.12 | 0.35 | 0.04  | 0.31  | 0.05  | 0.2   | 43.7  | 12.5  | 1295 | 7.1  | <0.5 | 3.3  |
| 11-BSW-054   | Rock                             | 1.77  | 7.2  | 1.06  | 0.16 | 0.61 | 0.06 | 0.32 | 0.05 | 0.16 | 0.04  | 0.28  | 0.05  | 0.1   | 1.1   | 1.9   | 4    | 0.4  | <0.5 | <0.1 |
| 11-BSW-056   | Rock                             | 0.33  | 1.6  | 0.21  | 0.04 | 0.28 | 0.04 | 0.28 | 0.05 | 0.21 | 0.03  | 0.25  | 0.04  | <0.1  | 1.1   | 1.2   | 6    | 0.4  | <0.5 | <0.1 |
| 11-BCQ-0006  | Rock                             | 1.14  | 4.7  | 0.71  | 0.17 | 0.72 | 0.10 | 0.66 | 0.14 | 0.42 | 0.05  | 0.42  | 0.06  | <0.1  | 2.4   | 4.5   | 2    | 3.0  | 0.9  | <0.1 |
| 11-BCQ-0008B | Rock                             | 1.49  | 5.8  | 1.00  | 0.23 | 0.91 | 0.14 | 0.79 | 0.15 | 0.47 | 0.07  | 0.47  | 0.08  | <0.1  | 2.6   | 3.3   | 2    | 2.7  | 2.8  | <0.1 |
| 11-BCQ-0082  | Rock                             | 2.42  | 9.3  | 1.60  | 0.22 | 1.42 | 0.25 | 1.63 | 0.34 | 1.06 | 0.19  | 1.36  | 0.22  | 0.1   | 1.5   | 1.3   | 25   | 1.5  | <0.5 | <0.1 |
| 11-BCQ-0083  | Rock                             | 2.35  | 8.8  | 1.60  | 0.21 | 1.42 | 0.21 | 1.22 | 0.28 | 0.88 | 0.15  | 1.13  | 0.19  | 0.2   | 1.5   | 1.1   | 12   | 1.3  | 0.6  | <0.1 |
| 11-BCQ-0084  | Rock                             | 24.08 | 66.6 | 8.07  | 1.05 | 6.04 | 0.85 | 4.91 | 0.96 | 3.06 | 0.54  | 3.89  | 0.64  | 7.6   | 1.1   | 29.2  | 91   | 0.2  | 3.2  | 0.4  |
| 11-BCQ-0088  | Rock                             | 23.95 | 67.4 | 7.95  | 1.06 | 5.71 | 0.84 | 4.75 | 0.92 | 3.13 | 0.54  | 3.79  | 0.64  | 11.7  | 1.2   | 31.7  | 106  | 0.3  | 2.0  | 0.4  |
| 11-BCQ-0089  | Rock                             | 1.25  | 5.1  | 0.91  | 0.15 | 0.73 | 0.11 | 0.73 | 0.15 | 0.49 | 0.08  | 0.57  | 0.09  | 0.2   | 1.7   | 0.8   | 17   | 1.3  | 0.7  | <0.1 |
| 11-BCQ-0093  | Rock                             | 1.41  | 5.1  | 0.94  | 0.16 | 0.92 | 0.17 | 1.14 | 0.26 | 0.85 | 0.14  | 0.87  | 0.15  | 0.1   | 1.2   | 1.2   | 2    | 0.7  | 0.7  | <0.1 |
| 11-BCQ-0094  | Rock                             | 2.81  | 10.9 | 2.08  | 0.31 | 1.24 | 0.16 | 0.80 | 0.17 | 0.62 | 0.10  | 0.72  | 0.12  | 0.4   | 3.6   | 2.9   | 16   | 1.3  | 4.9  | <0.1 |
| 11-BCQ-0096  | Rock                             | 1.33  | 5.3  | 1.04  | 0.15 | 0.97 | 0.15 | 0.91 | 0.18 | 0.56 | 0.09  | 0.61  | 0.10  | 0.3   | 1.2   | 0.7   | 8    | 0.4  | 0.6  | <0.1 |
| 11-BCQ-0008A | Rock                             | 1.39  | 5.2  | 0.99  | 0.20 | 0.89 | 0.13 | 0.77 | 0.15 | 0.41 | 0.06  | 0.42  | 0.06  | <0.1  | 2.9   | 5.3   | 2    | 2.7  | 3.9  | <0.1 |
| 11-BCQ-0012  | Rock                             | 0.23  | 0.9  | 0.16  | 0.04 | 0.20 | 0.03 | 0.13 | 0.02 | 0.07 | <0.01 | 0.07  | <0.01 | <0.1  | 0.5   | 0.8   | 4    | 1.0  | <0.5 | <0.1 |
| 11-BCQ-0058  | Rock                             | 1.31  | 5.4  | 1.09  | 0.25 | 1.06 | 0.17 | 0.95 | 0.20 | 0.60 | 0.08  | 0.55  | 0.08  | <0.1  | 23.4  | 3.5   | 13   | 2.6  | 1.1  | <0.1 |
| 11-BCQ-0060  | Rock                             | 0.75  | 3.0  | 0.60  | 0.15 | 0.55 | 0.08 | 0.45 | 0.08 | 0.24 | 0.04  | 0.28  | 0.04  | <0.1  | 6.8   | 1.3   | 12   | 1.4  | 1.1  | <0.1 |
| 11-BCQ-0061  | Rock                             | 0.27  | 1.1  | 0.21  | 0.06 | 0.26 | 0.04 | 0.25 | 0.04 | 0.12 | 0.01  | 0.13  | 0.01  | <0.1  | 3.8   | 0.7   | 11   | 1.0  | <0.5 | <0.1 |
| 11-BCQ-0064  | Rock                             | 0.14  | 0.6  | 0.12  | 0.03 | 0.11 | 0.02 | 0.08 | 0.02 | 0.05 | <0.01 | <0.05 | <0.01 | <0.1  | 7.4   | 1.5   | 10   | 0.9  | <0.5 | <0.1 |
| 11-MGB-024   | Rock                             | 10.98 | 46.4 | 8.30  | 2.30 | 6.81 | 0.85 | 3.80 | 0.64 | 1.59 | 0.21  | 1.30  | 0.20  | 0.2   | 2208  | 0.9   | 58   | 21.9 | 0.8  | 0.1  |
| 11-MGB-026   | Rock                             | 11.17 | 47.3 | 8.86  | 2.05 | 7.73 | 1.11 | 5.69 | 1.10 | 3.00 | 0.44  | 2.57  | 0.39  | 1.3   | 17.0  | 2.3   | 171  | 87.4 | 0.9  | <0.1 |
| 11-MGB-074   | Rock                             | 1.27  | 4.0  | 0.79  | 0.16 | 0.56 | 0.07 | 0.41 | 0.07 | 0.23 | 0.04  | 0.29  | 0.05  | 0.3   | 5.9   | 2.2   | 1    | 1.0  | <0.5 | <0.1 |
| 11-MGB-076   | Rock                             | 2.79  | 9.3  | 1.57  | 0.29 | 1.44 | 0.24 | 1.35 | 0.29 | 0.96 | 0.17  | 1.19  | 0.22  | <0.1  | 0.9   | 2.2   | 2    | 1.0  | <0.5 | <0.1 |
| 11-MGB-077   | Rock                             | 1.89  | 6.4  | 1.06  | 0.23 | 0.97 | 0.17 | 0.97 | 0.19 | 0.64 | 0.09  | 0.75  | 0.12  | 0.4   | 3.4   | 5.4   | 4    | 2.2  | 4.6  | <0.1 |
| 11-MGB-079   | Rock                             | 1.91  | 6.8  | 1.11  | 0.18 | 0.67 | 0.09 | 0.48 | 0.09 | 0.29 | 0.04  | 0.31  | 0.05  | 0.1   | 1.8   | 1.0   | 1    | 0.6  | <0.5 | <0.1 |
| 11-MGB-090   | Rock                             | 1.01  | 3.4  | 0.46  | 0.06 | 0.21 | 0.02 | 0.11 | 0.03 | 0.12 | 0.01  | 0.16  | 0.03  | 20.3  | 16.4  | 1138  | 7    | <0.1 | 50.8 | <0.1 |
| 11-MGB-091   | Rock                             | 3.33  | 12.2 | 2.24  | 0.64 | 1.84 | 0.29 | 1.59 | 0.34 | 0.89 | 0.12  | 0.82  | 0.11  | 262.2 | 294.7 | 6767  | 3708 | 6.3  | 16.5 | 36.6 |
| 11-MGB-092   | Rock                             | 0.56  | 1.7  | 0.45  | 0.10 | 0.34 | 0.05 | 0.33 | 0.06 | 0.18 | 0.02  | 0.20  | 0.03  | 21.7  | 37.4  | 790.2 | 158  | 0.8  | 8.9  | 0.1  |
| 11-BCQ-0132  | Rock                             | 25.40 | 80.4 | 11.04 | 3.08 | 8.07 | 1.03 | 5.32 | 0.91 | 2.59 | 0.39  | 2.51  | 0.39  | 2.9   | 23.1  | 10.1  | 48   | 26.1 | 1.4  | <0.1 |
| 11-BCQ-0134  | Rock                             | 23.70 | 74.1 | 9.99  | 2.99 | 7.32 | 0.97 | 4.99 | 0.90 | 2.41 | 0.36  | 2.34  | 0.37  | 2.0   | 22.0  | 11.3  | 64   | 27.7 | 1.7  | 0.1  |



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**Report Date:** July 16, 2011

**Page:** 3 of 4 Part 3

## CERTIFICATE OF ANALYSIS

VAN11002657.1

|              | Method<br>Analyte<br>Unit<br>MDL | 1DX  | 1DX  | 1DX   | 1DX   | 1DX  | 1DX  |
|--------------|----------------------------------|------|------|-------|-------|------|------|
|              |                                  | Bi   | Ag   | Au    | Hg    | Tl   | Se   |
|              |                                  | ppm  | ppm  | ppb   | ppm   | ppm  | ppm  |
|              |                                  | 0.1  | 0.1  | 0.5   | 0.01  | 0.1  | 0.5  |
| 11-BSW-052   | Rock                             | <0.1 | <0.1 | 1.5   | 0.01  | <0.1 | <0.5 |
| 11-BSW-054   | Rock                             | <0.1 | <0.1 | <0.5  | <0.01 | <0.1 | <0.5 |
| 11-BSW-056   | Rock                             | <0.1 | <0.1 | 0.7   | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0006  | Rock                             | <0.1 | <0.1 | 0.8   | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0008B | Rock                             | <0.1 | <0.1 | 1.1   | <0.01 | <0.1 | 0.6  |
| 11-BCQ-0082  | Rock                             | <0.1 | <0.1 | 1.7   | 0.11  | <0.1 | 0.9  |
| 11-BCQ-0083  | Rock                             | <0.1 | <0.1 | <0.5  | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0084  | Rock                             | 0.2  | 0.1  | <0.5  | <0.01 | 0.4  | 0.7  |
| 11-BCQ-0088  | Rock                             | 0.1  | 0.1  | <0.5  | <0.01 | 0.5  | <0.5 |
| 11-BCQ-0089  | Rock                             | <0.1 | <0.1 | 1.0   | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0093  | Rock                             | <0.1 | <0.1 | <0.5  | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0094  | Rock                             | <0.1 | <0.1 | <0.5  | <0.01 | <0.1 | 0.6  |
| 11-BCQ-0096  | Rock                             | <0.1 | <0.1 | <0.5  | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0008A | Rock                             | <0.1 | <0.1 | 0.6   | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0012  | Rock                             | <0.1 | <0.1 | <0.5  | <0.01 | <0.1 | 0.6  |
| 11-BCQ-0058  | Rock                             | <0.1 | <0.1 | <0.5  | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0060  | Rock                             | <0.1 | <0.1 | <0.5  | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0061  | Rock                             | <0.1 | <0.1 | <0.5  | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0064  | Rock                             | <0.1 | <0.1 | <0.5  | <0.01 | <0.1 | <0.5 |
| 11-MGB-024   | Rock                             | <0.1 | 0.1  | <0.5  | <0.01 | 0.1  | 1.6  |
| 11-MGB-026   | Rock                             | <0.1 | <0.1 | 3.2   | 0.01  | <0.1 | <0.5 |
| 11-MGB-074   | Rock                             | <0.1 | <0.1 | 1.2   | <0.01 | <0.1 | <0.5 |
| 11-MGB-076   | Rock                             | <0.1 | <0.1 | <0.5  | <0.01 | <0.1 | <0.5 |
| 11-MGB-077   | Rock                             | 0.4  | <0.1 | <0.5  | <0.01 | <0.1 | <0.5 |
| 11-MGB-079   | Rock                             | <0.1 | <0.1 | 1.1   | <0.01 | <0.1 | <0.5 |
| 11-MGB-090   | Rock                             | 4.6  | 7.9  | 162.4 | 0.14  | 1.1  | 0.6  |
| 11-MGB-091   | Rock                             | 1.3  | 7.7  | 18.5  | 0.05  | 2.3  | <0.5 |
| 11-MGB-092   | Rock                             | 16.2 | 9.6  | 11.7  | <0.01 | 0.2  | 0.6  |
| 11-BCQ-0132  | Rock                             | 0.4  | 0.1  | 2.3   | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0134  | Rock                             | 0.3  | <0.1 | 0.6   | <0.01 | 0.2  | 0.9  |



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Project: TING\_RG  
Report Date: July 16, 2011

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## CERTIFICATE OF ANALYSIS

VAN11002657.1

|             | Method<br>Analyte<br>Unit<br>MDL | WGHT   | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     |
|-------------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|             |                                  | Wgt    | Ba     | Be     | Co     | Cs     | Ga     | Hf     | Nb     | Rb     | Sn     | Sr     | Ta     | Th     | U      | V      | W      | Zr     | Y      | La     | Ce     |
|             |                                  | kg     | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
|             |                                  | 0.01   | 1      | 1      | 0.2    | 0.1    | 0.5    | 0.1    | 0.1    | 0.1    | 1      | 0.5    | 0.1    | 0.2    | 0.1    | 8      | 0.5    | 0.1    | 0.1    | 0.1    | 0.1    |
| 11-BCQ-0127 | Rock                             | 0.95   | 1943   | 3      | 14.9   | 1.5    | 17.5   | 7.3    | 192.4  | 101.6  | 1      | 1398   | 10.8   | 24.9   | 6.5    | 82     | 1.6    | 379.8  | 25.2   | 159.4  | 269.8  |
| 11-BCQ-0124 | Rock                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11-BCQ-0133 | Rock                             | 1.03   | 1333   | 3      | 11.1   | 1.9    | 15.7   | 6.7    | 182.1  | 118.8  | <1     | 833.8  | 10.0   | 26.3   | 6.1    | 71     | 1.9    | 401.0  | 22.2   | 132.4  | 222.4  |
| 11-BCQ-0130 | Rock                             | 1.59   | 1699   | 3      | 14.2   | 1.3    | 16.5   | 7.7    | 206.1  | 119.2  | 1      | 1364   | 11.6   | 25.2   | 7.1    | 77     | 1.7    | 408.3  | 24.8   | 154.2  | 258.3  |
| 11-BCQ-0131 | Rock                             | 0.79   | 1808   | 4      | 17.3   | 1.8    | 17.8   | 8.1    | 205.1  | 119.9  | 1      | 1357   | 11.1   | 27.1   | 7.2    | 100    | 1.7    | 422.2  | 26.0   | 158.5  | 268.4  |
| 11-MGB-097  | Rock                             | 1.62   | 87     | <1     | 2.6    | 0.7    | 2.8    | 7.1    | 5.5    | 21.0   | <1     | 22.0   | 0.4    | 4.5    | 1.3    | 26     | 0.7    | 265.4  | 12.5   | 12.6   | 26.0   |
| 11-MGB-052  | Rock                             | 0.23   | 53     | 3      | 2.3    | <0.1   | 4.9    | 0.1    | 0.3    | 0.9    | <1     | 3.4    | <0.1   | <0.2   | 4.5    | 278    | 1.9    | 5.0    | 16.0   | 7.3    | 5.8    |
| 11-MGB-098  | Rock                             | 2.77   | 2151   | 4      | 10.5   | 1.8    | 16.8   | 10.3   | 206.6  | 98.7   | 1      | 1298   | 11.3   | 29.7   | 6.3    | 62     | 1.7    | 498.0  | 22.5   | 145.7  | 244.2  |
| 11-MGB-095  | Rock                             | 2.25   | 1829   | 4      | 6.5    | 1.3    | 16.0   | 9.6    | 198.5  | 110.2  | 1      | 1111   | 10.7   | 28.2   | 7.0    | 39     | 0.9    | 508.1  | 20.1   | 130.2  | 223.0  |
| 11-AAB-0097 | Rock                             | 1.09   | 61     | <1     | 3.4    | 0.3    | 1.9    | 5.8    | 3.3    | 5.0    | <1     | 234.2  | 0.2    | 3.7    | 2.5    | 36     | <0.5   | 206.9  | 13.0   | 21.4   | 42.5   |
| 11-AAB-0092 | Rock                             | 0.51   | 30     | <1     | 0.8    | 0.2    | 1.4    | 5.8    | 1.6    | 3.7    | <1     | 21.2   | 0.1    | 1.2    | 1.0    | 12     | <0.5   | 245.8  | 2.9    | 5.2    | 10.0   |
| 11-AAB-0013 | Rock                             | 0.72   | 155    | 2      | 44.0   | 0.1    | 22.6   | 6.2    | 14.9   | 24.4   | 3      | 81.1   | 1.0    | 5.1    | 1.4    | 450    | 0.7    | 223.7  | 51.8   | 18.6   | 42.6   |
| 11-AAB-0090 | Rock                             | 0.65   | 3      | <1     | 0.7    | <0.1   | 0.6    | <0.1   | 0.1    | 0.4    | <1     | 1.9    | <0.1   | <0.2   | <0.1   | <8     | 0.6    | 1.3    | 0.3    | 0.4    | 0.5    |
| 11-AAB-0089 | Rock                             | 2.29   | 89     | <1     | 3.0    | 0.3    | 2.3    | 261.8  | 13.4   | 9.2    | 2      | 146.0  | 1.2    | 13.7   | 11.8   | 47     | 1.0    | 11423  | 53.9   | 24.3   | 51.0   |
| 11-AAB-0088 | Rock                             | 2.33   | 35     | <1     | <0.2   | 0.6    | 1.1    | 0.7    | 0.7    | 9.8    | <1     | 7.4    | <0.1   | 0.9    | 0.2    | <8     | <0.5   | 23.9   | 1.5    | 3.2    | 5.4    |
| 11-AAB-0004 | Rock                             | 1.77   | 45     | 1      | 30.5   | 1.7    | 17.9   | 5.2    | 11.9   | 26.7   | 2      | 205.2  | 0.8    | 4.4    | 1.0    | 348    | 0.6    | 186.1  | 42.5   | 19.9   | 48.3   |
| 11-AAB-0093 | Rock                             | 1.18   | 65     | <1     | 3.4    | 0.4    | 2.1    | 3.3    | 1.7    | 9.4    | <1     | 543.9  | 0.1    | 1.8    | 2.3    | 49     | <0.5   | 137.5  | 14.7   | 9.3    | 12.0   |
| 11-AAB-0094 | Rock                             | 1.38   | 305    | <1     | 0.7    | 0.6    | 3.3    | 7.1    | 3.8    | 17.4   | <1     | 46.3   | 0.3    | 3.0    | 1.0    | 27     | <0.5   | 267.6  | 9.5    | 7.6    | 15.7   |
| 11-AAB-0007 | Rock                             | 1.14   | 28     | <1     | 17.6   | 0.3    | 8.9    | 2.2    | 4.9    | 0.6    | <1     | 50.6   | 0.4    | 1.8    | 0.5    | 150    | <0.5   | 74.9   | 19.7   | 11.4   | 24.7   |
| 11-AAB-0012 | Rock                             | 1.96   | 193    | 3      | 34.0   | 0.1    | 19.6   | 5.6    | 13.4   | 25.8   | 2      | 202.1  | 1.0    | 5.0    | 1.3    | 423    | 0.8    | 207.8  | 47.2   | 20.2   | 47.2   |
| 11-BSW-049  | Rock                             | 2.45   | >50000 | <1     | 4.5    | 0.2    | 1.3    | 0.5    | 0.5    | 5.4    | <1     | 5708   | 1.0    | 0.8    | 0.6    | 12     | <0.5   | 5.7    | 2.9    | 4.7    | 7.6    |
| 11-BCQ-0129 | Rock                             | 1.44   | 2105   | 4      | 14.6   | 1.6    | 17.2   | 6.7    | 186.8  | 116.8  | 1      | 1541   | 9.6    | 21.4   | 5.6    | 87     | 2.1    | 361.6  | 25.9   | 140.4  | 248.3  |
| 11-BSW-022  | Rock                             | 0.30   | 373    | <1     | 2.0    | 0.3    | 2.3    | 2.3    | 3.0    | 9.6    | <1     | 14.1   | 0.2    | 2.3    | 0.6    | 9      | 0.7    | 80.5   | 3.8    | 7.4    | 15.5   |



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Report Date: July 16, 2011

Page: 4 of 4 Part 2

## CERTIFICATE OF ANALYSIS

VAN11002657.1

|             | Method<br>Analyte<br>Unit<br>MDL | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 1DX    | 1DX    | 1DX    | 1DX    | 1DX    | 1DX    | 1DX    | 1DX    |
|-------------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|             |                                  | Pr     | Nd     | Sm     | Eu     | Gd     | Tb     | Dy     | Ho     | Er     | Tm     | Yb     | Lu     | Mo     | Cu     | Pb     | Zn     | Ni     | As     | Cd     | Sb     |
|             |                                  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
|             |                                  | 0.02   | 0.3    | 0.05   | 0.02   | 0.05   | 0.01   | 0.05   | 0.02   | 0.03   | 0.01   | 0.05   | 0.01   | 0.1    | 0.1    | 0.1    | 1      | 0.1    | 0.5    | 0.1    | 0.1    |
| 11-BCQ-0127 | Rock                             | 26.18  | 81.7   | 11.41  | 3.25   | 8.11   | 1.07   | 5.44   | 1.00   | 2.73   | 0.40   | 2.53   | 0.40   | 2.9    | 23.5   | 3.8    | 47     | 24.9   | 1.7    | <0.1   | <0.1   |
| 11-BCQ-0124 | Rock                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11-BCQ-0133 | Rock                             | 21.35  | 64.6   | 8.81   | 2.48   | 6.60   | 0.88   | 4.58   | 0.84   | 2.39   | 0.37   | 2.37   | 0.37   | 0.7    | 15.2   | 10.7   | 73     | 24.3   | 2.5    | 0.2    | <0.1   |
| 11-BCQ-0130 | Rock                             | 25.57  | 81.9   | 10.76  | 3.11   | 7.83   | 1.04   | 5.55   | 0.97   | 2.75   | 0.42   | 2.62   | 0.42   | 3.5    | 22.5   | 3.1    | 50     | 25.0   | 1.3    | <0.1   | <0.1   |
| 11-BCQ-0131 | Rock                             | 26.94  | 83.8   | 11.71  | 3.34   | 8.71   | 1.16   | 5.95   | 1.06   | 2.86   | 0.42   | 2.76   | 0.43   | 2.8    | 22.7   | 2.3    | 47     | 30.1   | 1.6    | <0.1   | <0.1   |
| 11-MGB-097  | Rock                             | 3.19   | 12.1   | 2.73   | 0.55   | 2.54   | 0.42   | 2.41   | 0.46   | 1.44   | 0.23   | 1.44   | 0.23   | 0.1    | 4.6    | 5.2    | 23     | 6.8    | 1.6    | <0.1   | <0.1   |
| 11-MGB-052  | Rock                             | 2.08   | 8.2    | 1.81   | 0.41   | 1.63   | 0.23   | 1.42   | 0.33   | 1.04   | 0.14   | 0.93   | 0.14   | 4.8    | 25.3   | 3246   | 3801   | 113.2  | 38.9   | 17.7   | 3.4    |
| 11-MGB-098  | Rock                             | 23.44  | 72.9   | 9.61   | 2.90   | 6.81   | 0.92   | 4.83   | 0.91   | 2.61   | 0.38   | 2.55   | 0.41   | 4.8    | 9.3    | 8.5    | 60     | 4.0    | 1.5    | <0.1   | <0.1   |
| 11-MGB-095  | Rock                             | 20.92  | 61.1   | 8.15   | 2.40   | 5.88   | 0.79   | 4.37   | 0.80   | 2.20   | 0.37   | 2.56   | 0.40   | 1.5    | 5.9    | 10.2   | 59     | 2.3    | 1.3    | <0.1   | <0.1   |
| 11-AAB-0097 | Rock                             | 4.92   | 18.5   | 3.10   | 0.69   | 2.92   | 0.47   | 2.43   | 0.51   | 1.43   | 0.21   | 1.29   | 0.20   | 0.9    | 12.0   | 12.6   | 25     | 19.2   | 21.8   | 0.1    | 0.2    |
| 11-AAB-0092 | Rock                             | 1.25   | 4.7    | 0.89   | 0.18   | 0.68   | 0.10   | 0.51   | 0.10   | 0.32   | 0.05   | 0.40   | 0.07   | 0.3    | 3.3    | 3.4    | 10     | 4.4    | 2.2    | <0.1   | 0.1    |
| 11-AAB-0013 | Rock                             | 5.83   | 25.8   | 6.67   | 1.70   | 7.50   | 1.43   | 9.11   | 1.89   | 5.52   | 0.82   | 5.29   | 0.77   | 0.3    | 448.4  | 4.9    | 104    | 38.9   | 1.5    | 0.1    | <0.1   |
| 11-AAB-0090 | Rock                             | 0.06   | <0.3   | 0.06   | <0.02  | <0.05  | <0.01  | <0.05  | <0.02  | <0.03  | <0.01  | <0.05  | <0.01  | <0.1   | 0.7    | 0.6    | 425    | 3.2    | 2.3    | <0.1   | <0.1   |
| 11-AAB-0089 | Rock                             | 6.13   | 22.5   | 4.32   | 0.69   | 4.12   | 0.82   | 6.18   | 1.69   | 6.83   | 1.35   | 10.93  | 2.15   | 0.4    | 7.7    | 6.1    | 15     | 8.1    | 7.7    | <0.1   | <0.1   |
| 11-AAB-0088 | Rock                             | 0.62   | 2.2    | 0.29   | 0.05   | 0.21   | 0.03   | 0.21   | 0.05   | 0.18   | 0.03   | 0.21   | 0.03   | 0.2    | 2.0    | 1.3    | 119    | 0.4    | 2.8    | <0.1   | <0.1   |
| 11-AAB-0004 | Rock                             | 6.26   | 27.0   | 6.83   | 1.62   | 7.48   | 1.27   | 7.54   | 1.54   | 4.57   | 0.69   | 4.30   | 0.66   | 3.6    | 740.5  | 2.6    | 75     | 52.1   | 1.5    | <0.1   | <0.1   |
| 11-AAB-0093 | Rock                             | 2.08   | 8.2    | 1.75   | 0.43   | 1.98   | 0.31   | 1.85   | 0.38   | 1.10   | 0.16   | 1.00   | 0.16   | 0.1    | 2.6    | 4.5    | 10     | 10.6   | 7.8    | <0.1   | <0.1   |
| 11-AAB-0094 | Rock                             | 1.86   | 7.2    | 1.29   | 0.27   | 1.09   | 0.22   | 1.43   | 0.33   | 1.03   | 0.16   | 1.12   | 0.18   | 0.2    | 3.7    | 7.1    | 10     | 1.4    | 5.4    | <0.1   | <0.1   |
| 11-AAB-0007 | Rock                             | 2.84   | 11.7   | 2.51   | 0.57   | 2.79   | 0.48   | 2.95   | 0.66   | 2.04   | 0.29   | 1.92   | 0.29   | <0.1   | 306.4  | 1.6    | 78     | 14.8   | 1.5    | <0.1   | <0.1   |
| 11-AAB-0012 | Rock                             | 6.28   | 28.4   | 7.23   | 2.58   | 8.22   | 1.45   | 8.64   | 1.77   | 5.17   | 0.78   | 4.71   | 0.70   | 0.4    | 1041   | 6.0    | 92     | 43.3   | 1.1    | 0.1    | <0.1   |
| 11-BSW-049  | Rock                             | 0.80   | 2.7    | 0.58   | <0.02  | 1.18   | 0.10   | 0.35   | 0.15   | 0.38   | 0.05   | 0.26   | 0.04   | 0.1    | 22.3   | 5.2    | 245    | 7.0    | 1.5    | 0.6    | 0.9    |
| 11-BCQ-0129 | Rock                             | 24.70  | 81.1   | 10.79  | 3.05   | 7.73   | 1.02   | 5.10   | 0.92   | 2.48   | 0.38   | 2.33   | 0.36   | 3.8    | 23.6   | 4.5    | 71     | 24.0   | 1.9    | <0.1   | <0.1   |
| 11-BSW-022  | Rock                             | 1.76   | 6.5    | 1.00   | 0.19   | 0.73   | 0.11   | 0.63   | 0.13   | 0.44   | 0.07   | 0.48   | 0.07   | 0.3    | 4.0    | 1.6    | 27     | 2.7    | 1.9    | 0.1    | <0.1   |



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**Project:** TING\_RG  
**Report Date:** July 16, 2011

**Page:** 4 of 4 **Part** 3

## CERTIFICATE OF ANALYSIS

VAN11002657.1

|             | Method<br>Analyte<br>Unit<br>MDL | 1DX    | 1DX    | 1DX    | 1DX    | 1DX    | 1DX    |
|-------------|----------------------------------|--------|--------|--------|--------|--------|--------|
|             |                                  | Bi     | Ag     | Au     | Hg     | Tl     | Se     |
|             |                                  | ppm    | ppm    | ppb    | ppm    | ppm    | ppm    |
|             |                                  | 0.1    | 0.1    | 0.5    | 0.01   | 0.1    | 0.5    |
| 11-BCQ-0127 | Rock                             | <0.1   | <0.1   | 1.8    | <0.01  | <0.1   | <0.5   |
| 11-BCQ-0124 | Rock                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| 11-BCQ-0133 | Rock                             | 0.1    | <0.1   | <0.5   | <0.01  | 0.2    | <0.5   |
| 11-BCQ-0130 | Rock                             | <0.1   | <0.1   | <0.5   | <0.01  | <0.1   | <0.5   |
| 11-BCQ-0131 | Rock                             | <0.1   | <0.1   | <0.5   | <0.01  | <0.1   | 0.5    |
| 11-MGB-097  | Rock                             | <0.1   | <0.1   | 0.6    | <0.01  | <0.1   | <0.5   |
| 11-MGB-052  | Rock                             | <0.1   | 0.2    | <0.5   | 0.90   | 1.0    | <0.5   |
| 11-MGB-098  | Rock                             | <0.1   | <0.1   | <0.5   | <0.01  | <0.1   | <0.5   |
| 11-MGB-095  | Rock                             | <0.1   | <0.1   | <0.5   | <0.01  | <0.1   | 0.5    |
| 11-AAB-0097 | Rock                             | <0.1   | <0.1   | <0.5   | 0.08   | <0.1   | 1.5    |
| 11-AAB-0092 | Rock                             | <0.1   | <0.1   | 1.1    | <0.01  | <0.1   | <0.5   |
| 11-AAB-0013 | Rock                             | 0.2    | 0.1    | <0.5   | <0.01  | <0.1   | <0.5   |
| 11-AAB-0090 | Rock                             | <0.1   | <0.1   | <0.5   | <0.01  | <0.1   | <0.5   |
| 11-AAB-0089 | Rock                             | <0.1   | <0.1   | <0.5   | 0.03   | <0.1   | <0.5   |
| 11-AAB-0088 | Rock                             | <0.1   | <0.1   | <0.5   | <0.01  | <0.1   | <0.5   |
| 11-AAB-0004 | Rock                             | 0.1    | 0.2    | 1.3    | <0.01  | <0.1   | 0.5    |
| 11-AAB-0093 | Rock                             | <0.1   | <0.1   | <0.5   | <0.01  | <0.1   | 0.8    |
| 11-AAB-0094 | Rock                             | <0.1   | <0.1   | <0.5   | <0.01  | <0.1   | <0.5   |
| 11-AAB-0007 | Rock                             | <0.1   | <0.1   | <0.5   | <0.01  | <0.1   | <0.5   |
| 11-AAB-0012 | Rock                             | <0.1   | 0.9    | 6.2    | <0.01  | <0.1   | <0.5   |
| 11-BSW-049  | Rock                             | <0.1   | <0.1   | 0.7    | <0.01  | <0.1   | <0.5   |
| 11-BCQ-0129 | Rock                             | <0.1   | <0.1   | <0.5   | <0.01  | <0.1   | <0.5   |
| 11-BSW-022  | Rock                             | <0.1   | <0.1   | <0.5   | <0.01  | <0.1   | <0.5   |



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Report Date: July 16, 2011

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## QUALITY CONTROL REPORT

VAN11002657.1

|                        | Method<br>Analyte<br>Unit<br>MDL | WGHT | 4B   | 4B  | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B  | 4B    | 4B   | 4B   | 4B   | 4B  | 4B   | 4B    | 4B   | 4B   | 4B   |
|------------------------|----------------------------------|------|------|-----|------|------|------|------|------|------|-----|-------|------|------|------|-----|------|-------|------|------|------|
|                        |                                  | Wgt  | Ba   | Be  | Co   | Cs   | Ga   | Hf   | Nb   | Rb   | Sn  | Sr    | Ta   | Th   | U    | V   | W    | Zr    | Y    | La   | Ce   |
|                        |                                  | kg   | ppm  | ppm | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm | ppm   | ppm  | ppm  | ppm  | ppm | ppm  | ppm   | ppm  | ppm  | ppm  |
|                        |                                  | 0.01 | 1    | 1   | 0.2  | 0.1  | 0.5  | 0.1  | 0.1  | 0.1  | 1   | 0.5   | 0.1  | 0.2  | 0.1  | 8   | 0.5  | 0.1   | 0.1  | 0.1  | 0.1  |
| Pulp Duplicates        |                                  |      |      |     |      |      |      |      |      |      |     |       |      |      |      |     |      |       |      |      |      |
| 11-AAB-0066            | Rock                             | 1.82 | 439  | <1  | 7.6  | 9.6  | 20.2 | 3.6  | 10.1 | 86.6 | <1  | 404.8 | 0.6  | 9.9  | 1.8  | 83  | 1.0  | 129.6 | 16.0 | 28.2 | 59.4 |
| REP 11-AAB-0066        | QC                               |      |      |     |      |      |      |      |      |      |     |       |      |      |      |     |      |       |      |      |      |
| REP 11-BSW-031         | QC                               |      | 2098 | <1  | 5.4  | 1.7  | 4.1  | 4.2  | 20.2 | 33.1 | <1  | 69.3  | 1.1  | 5.2  | 2.3  | 29  | 2.5  | 178.5 | 14.8 | 16.0 | 32.9 |
| 11-BCQ-0064            | Rock                             | 1.23 | 16   | <1  | 0.9  | <0.1 | <0.5 | <0.1 | <0.1 | 0.5  | <1  | 47.5  | <0.1 | <0.2 | 0.4  | <8  | <0.5 | 0.9   | 0.7  | 0.7  | 1.2  |
| REP 11-BCQ-0064        | QC                               |      |      |     |      |      |      |      |      |      |     |       |      |      |      |     |      |       |      |      |      |
| REP 11-MGB-090         | QC                               |      | 214  | <1  | <0.2 | 1.7  | 2.4  | 1.8  | 1.6  | 43.3 | 3   | 22.0  | 0.1  | 2.2  | 0.6  | 9   | 3.8  | 60.3  | 0.8  | 3.7  | 8.5  |
| 11-AAB-0088            | Rock                             | 2.33 | 35   | <1  | <0.2 | 0.6  | 1.1  | 0.7  | 0.7  | 9.8  | <1  | 7.4   | <0.1 | 0.9  | 0.2  | <8  | <0.5 | 23.9  | 1.5  | 3.2  | 5.4  |
| REP 11-AAB-0088        | QC                               |      | 33   | <1  | 0.3  | 0.6  | 1.8  | 0.7  | 1.1  | 9.5  | <1  | 7.0   | <0.1 | 1.0  | 0.2  | 14  | <0.5 | 25.4  | 1.5  | 3.2  | 5.4  |
| Core Reject Duplicates |                                  |      |      |     |      |      |      |      |      |      |     |       |      |      |      |     |      |       |      |      |      |
| 11-BSW-031             | Rock                             | 0.80 | 2076 | <1  | 6.1  | 1.9  | 4.4  | 4.5  | 20.3 | 33.5 | <1  | 66.4  | 1.3  | 5.2  | 2.2  | 28  | 2.5  | 175.5 | 13.8 | 15.4 | 33.4 |
| DUP 11-BSW-031         | QC                               |      | 2110 | 1   | 5.2  | 1.8  | 4.3  | 4.2  | 20.1 | 31.3 | <1  | 73.2  | 1.3  | 5.1  | 2.3  | 30  | 2.6  | 181.3 | 15.0 | 16.4 | 33.6 |
| 11-MGB-090             | Rock                             | 2.40 | 218  | <1  | 0.3  | 1.6  | 2.2  | 1.5  | 1.8  | 45.3 | 3   | 22.3  | 0.1  | 2.3  | 0.6  | 10  | 3.8  | 62.6  | 1.0  | 3.9  | 8.6  |
| DUP 11-MGB-090         | QC                               |      | 230  | <1  | 0.7  | 1.7  | 2.7  | 1.8  | 2.0  | 45.8 | 4   | 23.9  | 0.1  | 2.6  | 0.7  | 12  | 4.3  | 63.6  | 1.0  | 4.3  | 9.3  |
| Reference Materials    |                                  |      |      |     |      |      |      |      |      |      |     |       |      |      |      |     |      |       |      |      |      |
| STD DS8                | Standard                         |      |      |     |      |      |      |      |      |      |     |       |      |      |      |     |      |       |      |      |      |
| STD DS8                | Standard                         |      |      |     |      |      |      |      |      |      |     |       |      |      |      |     |      |       |      |      |      |
| STD DS8                | Standard                         |      |      |     |      |      |      |      |      |      |     |       |      |      |      |     |      |       |      |      |      |
| STD OREAS45CA          | Standard                         |      |      |     |      |      |      |      |      |      |     |       |      |      |      |     |      |       |      |      |      |
| STD OREAS45CA          | Standard                         |      |      |     |      |      |      |      |      |      |     |       |      |      |      |     |      |       |      |      |      |
| STD OREAS45CA          | Standard                         |      |      |     |      |      |      |      |      |      |     |       |      |      |      |     |      |       |      |      |      |
| STD SO-18              | Standard                         |      | 515  | <1  | 26.8 | 6.7  | 17.2 | 10.0 | 20.9 | 28.2 | 15  | 403.2 | 7.5  | 9.5  | 15.8 | 206 | 14.8 | 289.1 | 30.7 | 12.0 | 26.5 |
| STD SO-18              | Standard                         |      | 544  | 2   | 27.6 | 7.1  | 18.5 | 10.4 | 22.1 | 30.2 | 16  | 434.6 | 7.8  | 10.5 | 17.0 | 213 | 16.4 | 304.8 | 31.9 | 12.5 | 27.6 |
| STD SO-18              | Standard                         |      | 512  | 1   | 26.5 | 6.9  | 16.7 | 10.0 | 20.2 | 27.1 | 15  | 409.5 | 7.2  | 10.4 | 16.2 | 203 | 13.4 | 286.5 | 31.9 | 11.8 | 26.6 |
| STD SO-18              | Standard                         |      | 489  | <1  | 25.5 | 6.8  | 17.2 | 9.2  | 18.8 | 26.4 | 14  | 390.8 | 7.0  | 10.0 | 15.6 | 194 | 13.2 | 271.3 | 30.1 | 11.7 | 26.3 |
| STD SO-18              | Standard                         |      | 524  | 2   | 27.8 | 6.9  | 19.4 | 9.7  | 20.8 | 28.9 | 15  | 404.6 | 7.3  | 9.5  | 15.4 | 219 | 13.8 | 300.8 | 32.1 | 11.9 | 26.1 |
| STD SO-18              | Standard                         |      | 525  | 1   | 27.5 | 7.1  | 18.6 | 9.8  | 20.5 | 28.2 | 16  | 404.1 | 7.3  | 9.4  | 15.5 | 212 | 13.9 | 291.0 | 30.8 | 11.9 | 26.5 |
| STD SO-18              | Standard                         |      | 546  | 1   | 25.2 | 7.0  | 18.0 | 8.9  | 19.9 | 27.1 | 14  | 406.9 | 5.6  | 10.2 | 16.0 | 195 | 14.5 | 285.9 | 31.5 | 11.7 | 25.5 |
| STD SO-18              | Standard                         |      | 506  | 2   | 25.9 | 6.9  | 17.3 | 9.4  | 20.6 | 27.2 | 15  | 393.4 | 5.8  | 9.7  | 15.7 | 202 | 14.3 | 290.6 | 30.8 | 11.5 | 26.1 |



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## QUALITY CONTROL REPORT

VAN11002657.1

|                        | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B    | 4B    | 4B    | 1DX  | 1DX   | 1DX   | 1DX | 1DX   | 1DX  | 1DX  | 1DX  |
|------------------------|----------------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|------|-------|-------|-----|-------|------|------|------|
|                        |                                  | Pr   | Nd   | Sm   | Eu   | Gd   | Tb   | Dy   | Ho   | Er   | Tm    | Yb    | Lu    | Mo   | Cu    | Pb    | Zn  | Ni    | As   | Cd   | Sb   |
|                        |                                  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm   | ppm   | ppm  | ppm   | ppm   | ppm | ppm   | ppm  | ppm  | ppm  |
|                        |                                  | 0.02 | 0.3  | 0.05 | 0.02 | 0.05 | 0.01 | 0.05 | 0.02 | 0.03 | 0.01  | 0.05  | 0.01  | 0.1  | 0.1   | 0.1   | 1   | 0.1   | 0.5  | 0.1  | 0.1  |
| Pulp Duplicates        |                                  |      |      |      |      |      |      |      |      |      |       |       |       |      |       |       |     |       |      |      |      |
| 11-AAB-0066            | Rock                             | 6.18 | 22.5 | 4.03 | 1.00 | 3.08 | 0.49 | 2.73 | 0.54 | 1.58 | 0.25  | 1.59  | 0.25  | 0.2  | 10.1  | 5.3   | 67  | 5.5   | <0.5 | <0.1 | <0.1 |
| REP 11-AAB-0066        | QC                               |      |      |      |      |      |      |      |      |      |       |       |       | 0.2  | 10.0  | 5.2   | 67  | 5.7   | <0.5 | <0.1 | <0.1 |
| REP 11-BSW-031         | QC                               | 3.43 | 12.5 | 2.51 | 0.46 | 2.76 | 0.45 | 2.59 | 0.53 | 1.60 | 0.23  | 1.50  | 0.20  |      |       |       |     |       |      |      |      |
| 11-BCQ-0064            | Rock                             | 0.14 | 0.6  | 0.12 | 0.03 | 0.11 | 0.02 | 0.08 | 0.02 | 0.05 | <0.01 | <0.05 | <0.01 | <0.1 | 7.4   | 1.5   | 10  | 0.9   | <0.5 | <0.1 | 0.1  |
| REP 11-BCQ-0064        | QC                               |      |      |      |      |      |      |      |      |      |       |       |       | <0.1 | 7.1   | 1.2   | 10  | 0.7   | <0.5 | <0.1 | <0.1 |
| REP 11-MGB-090         | QC                               | 0.94 | 3.2  | 0.48 | 0.06 | 0.20 | 0.02 | 0.14 | 0.03 | 0.09 | 0.02  | 0.16  | 0.03  |      |       |       |     |       |      |      |      |
| 11-AAB-0088            | Rock                             | 0.62 | 2.2  | 0.29 | 0.05 | 0.21 | 0.03 | 0.21 | 0.05 | 0.18 | 0.03  | 0.21  | 0.03  | 0.2  | 2.0   | 1.3   | 119 | 0.4   | 2.8  | <0.1 | <0.1 |
| REP 11-AAB-0088        | QC                               | 0.60 | 1.9  | 0.26 | 0.05 | 0.19 | 0.03 | 0.21 | 0.05 | 0.19 | 0.03  | 0.21  | 0.03  |      |       |       |     |       |      |      |      |
| Core Reject Duplicates |                                  |      |      |      |      |      |      |      |      |      |       |       |       |      |       |       |     |       |      |      |      |
| 11-BSW-031             | Rock                             | 3.37 | 12.1 | 2.33 | 0.45 | 2.73 | 0.45 | 2.81 | 0.53 | 1.53 | 0.23  | 1.47  | 0.20  | 0.5  | 1.4   | 1.7   | 23  | 15.1  | 13.1 | <0.1 | <0.1 |
| DUP 11-BSW-031         | QC                               | 3.58 | 12.4 | 2.55 | 0.47 | 2.62 | 0.45 | 2.61 | 0.54 | 1.47 | 0.22  | 1.41  | 0.19  | 0.5  | 1.3   | 1.7   | 22  | 13.3  | 12.2 | <0.1 | <0.1 |
| 11-MGB-090             | Rock                             | 1.01 | 3.4  | 0.46 | 0.06 | 0.21 | 0.02 | 0.11 | 0.03 | 0.12 | 0.01  | 0.16  | 0.03  | 20.3 | 16.4  | 1138  | 7   | <0.1  | 50.8 | <0.1 | 3.2  |
| DUP 11-MGB-090         | QC                               | 1.04 | 3.9  | 0.49 | 0.06 | 0.21 | 0.03 | 0.15 | 0.03 | 0.11 | 0.02  | 0.18  | 0.03  | 20.5 | 17.1  | 1120  | 6   | 0.6   | 49.8 | <0.1 | 3.5  |
| Reference Materials    |                                  |      |      |      |      |      |      |      |      |      |       |       |       |      |       |       |     |       |      |      |      |
| STD DS8                | Standard                         |      |      |      |      |      |      |      |      |      |       |       |       | 12.8 | 113.5 | 121.4 | 311 | 36.0  | 27.5 | 2.4  | 3.5  |
| STD DS8                | Standard                         |      |      |      |      |      |      |      |      |      |       |       |       | 13.9 | 107.0 | 115.7 | 288 | 36.2  | 23.6 | 2.2  | 3.6  |
| STD DS8                | Standard                         |      |      |      |      |      |      |      |      |      |       |       |       | 13.2 | 104.7 | 131.9 | 308 | 34.4  | 26.5 | 2.4  | 3.0  |
| STD OREAS45CA          | Standard                         |      |      |      |      |      |      |      |      |      |       |       |       | 0.6  | 468.7 | 23.0  | 63  | 226.1 | 4.4  | 0.2  | <0.1 |
| STD OREAS45CA          | Standard                         |      |      |      |      |      |      |      |      |      |       |       |       | 0.6  | 463.7 | 23.2  | 61  | 229.5 | 1.1  | 0.1  | <0.1 |
| STD OREAS45CA          | Standard                         |      |      |      |      |      |      |      |      |      |       |       |       | 0.6  | 433.3 | 22.0  | 61  | 213.1 | 2.7  | <0.1 | <0.1 |
| STD SO-18              | Standard                         | 3.26 | 13.3 | 2.95 | 0.87 | 2.87 | 0.48 | 2.98 | 0.60 | 1.72 | 0.27  | 1.79  | 0.26  |      |       |       |     |       |      |      |      |
| STD SO-18              | Standard                         | 3.43 | 14.7 | 3.13 | 0.92 | 3.04 | 0.51 | 3.25 | 0.63 | 1.91 | 0.28  | 1.88  | 0.29  |      |       |       |     |       |      |      |      |
| STD SO-18              | Standard                         | 3.30 | 13.2 | 2.86 | 0.88 | 2.94 | 0.50 | 3.05 | 0.63 | 1.82 | 0.28  | 1.76  | 0.27  |      |       |       |     |       |      |      |      |
| STD SO-18              | Standard                         | 3.24 | 13.2 | 2.84 | 0.85 | 2.94 | 0.48 | 2.91 | 0.61 | 1.75 | 0.27  | 1.78  | 0.26  |      |       |       |     |       |      |      |      |
| STD SO-18              | Standard                         | 3.33 | 13.8 | 2.98 | 0.90 | 2.96 | 0.50 | 2.99 | 0.63 | 1.85 | 0.28  | 1.81  | 0.28  |      |       |       |     |       |      |      |      |
| STD SO-18              | Standard                         | 3.30 | 13.5 | 2.89 | 0.87 | 2.88 | 0.49 | 3.01 | 0.63 | 1.84 | 0.28  | 1.80  | 0.27  |      |       |       |     |       |      |      |      |
| STD SO-18              | Standard                         | 3.22 | 13.1 | 2.80 | 0.84 | 2.80 | 0.49 | 2.89 | 0.60 | 1.75 | 0.27  | 1.75  | 0.26  |      |       |       |     |       |      |      |      |
| STD SO-18              | Standard                         | 3.21 | 13.9 | 2.81 | 0.84 | 2.89 | 0.48 | 2.95 | 0.59 | 1.76 | 0.28  | 1.74  | 0.26  |      |       |       |     |       |      |      |      |



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## QUALITY CONTROL REPORT

VAN11002657.1

| Method<br>Analyte<br>Unit<br>MDL |          | 1DX<br>Bi<br>ppm<br>0.1 | 1DX<br>Ag<br>ppm<br>0.1 | 1DX<br>Au<br>ppb<br>0.5 | 1DX<br>Hg<br>ppm<br>0.01 | 1DX<br>Ti<br>ppm<br>0.1 | 1DX<br>Se<br>ppm<br>0.5 |
|----------------------------------|----------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|
| Pulp Duplicates                  |          |                         |                         |                         |                          |                         |                         |
| 11-AAB-0066                      | Rock     | 0.2                     | <0.1                    | <0.5                    | <0.01                    | 0.2                     | <0.5                    |
| REP 11-AAB-0066                  | QC       | 0.2                     | <0.1                    | <0.5                    | <0.01                    | 0.2                     | <0.5                    |
| REP 11-BSW-031                   | QC       |                         |                         |                         |                          |                         |                         |
| 11-BCQ-0064                      | Rock     | <0.1                    | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| REP 11-BCQ-0064                  | QC       | <0.1                    | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| REP 11-MGB-090                   | QC       |                         |                         |                         |                          |                         |                         |
| 11-AAB-0088                      | Rock     | <0.1                    | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| REP 11-AAB-0088                  | QC       |                         |                         |                         |                          |                         |                         |
| Core Reject Duplicates           |          |                         |                         |                         |                          |                         |                         |
| 11-BSW-031                       | Rock     | <0.1                    | <0.1                    | 1.0                     | 0.02                     | <0.1                    | 0.6                     |
| DUP 11-BSW-031                   | QC       | <0.1                    | <0.1                    | 1.0                     | 0.01                     | <0.1                    | 0.9                     |
| 11-MGB-090                       | Rock     | 4.6                     | 7.9                     | 162.4                   | 0.14                     | 1.1                     | 0.6                     |
| DUP 11-MGB-090                   | QC       | 4.5                     | 8.1                     | 178.2                   | 0.12                     | 1.1                     | <0.5                    |
| Reference Materials              |          |                         |                         |                         |                          |                         |                         |
| STD DS8                          | Standard | 6.8                     | 1.8                     | 97.2                    | 0.17                     | 5.1                     | 5.1                     |
| STD DS8                          | Standard | 6.4                     | 1.5                     | 93.7                    | 0.17                     | 4.9                     | 5.1                     |
| STD DS8                          | Standard | 5.7                     | 1.7                     | 98.7                    | 0.21                     | 5.8                     | 6.1                     |
| STD OREAS45CA                    | Standard | 0.2                     | 0.2                     | 45.0                    | 0.03                     | <0.1                    | <0.5                    |
| STD OREAS45CA                    | Standard | 0.2                     | 0.2                     | 41.0                    | 0.04                     | <0.1                    | <0.5                    |
| STD OREAS45CA                    | Standard | 0.2                     | 0.3                     | 38.0                    | 0.02                     | <0.1                    | <0.5                    |
| STD SO-18                        | Standard |                         |                         |                         |                          |                         |                         |
| STD SO-18                        | Standard |                         |                         |                         |                          |                         |                         |
| STD SO-18                        | Standard |                         |                         |                         |                          |                         |                         |
| STD SO-18                        | Standard |                         |                         |                         |                          |                         |                         |
| STD SO-18                        | Standard |                         |                         |                         |                          |                         |                         |
| STD SO-18                        | Standard |                         |                         |                         |                          |                         |                         |
| STD SO-18                        | Standard |                         |                         |                         |                          |                         |                         |
| STD SO-18                        | Standard |                         |                         |                         |                          |                         |                         |



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## QUALITY CONTROL REPORT

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|                        |            | WGHT  | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B    | 4B    | 4B    | 4B   | 4B   | 4B  | 4B   | 4B   | 4B    | 4B   | 4B   |      |
|------------------------|------------|-------|------|------|------|------|------|------|------|-------|-------|-------|------|------|-----|------|------|-------|------|------|------|
|                        |            | Wgt   | Ba   | Be   | Co   | Cs   | Ga   | Hf   | Nb   | Rb    | Sn    | Sr    | Ta   | Th   | U   | V    | W    | Zr    | Y    | La   | Ce   |
|                        |            | kg    | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm   | ppm   | ppm  | ppm  | ppm | ppm  | ppm  | ppm   | ppm  | ppm  | ppm  |
|                        |            | 0.01  | 1    | 1    | 0.2  | 0.1  | 0.5  | 0.1  | 0.1  | 0.1   | 1     | 0.5   | 0.1  | 0.2  | 0.1 | 8    | 0.5  | 0.1   | 0.1  | 0.1  | 0.1  |
| STD DS8 Expected       |            |       |      |      |      |      |      |      |      |       |       |       |      |      |     |      |      |       |      |      |      |
| STD OREAS45CA Expected |            |       |      |      |      |      |      |      |      |       |       |       |      |      |     |      |      |       |      |      |      |
| STD SO-18 Expected     |            | 514   | 1    | 26.2 | 7.1  | 17.6 | 9.8  | 21.3 | 28.7 | 15    | 407.4 | 7.4   | 9.9  | 16.4 | 200 | 14.8 | 280  | 31    | 12.3 | 27.1 |      |
| BLK                    | Blank      |       |      |      |      |      |      |      |      |       |       |       |      |      |     |      |      |       |      |      |      |
| BLK                    | Blank      | <1    | <1   | <0.2 | <0.1 | <0.5 | <0.1 | <0.1 | <0.1 | <1    | <0.5  | <0.1  | <0.2 | <0.1 | <8  | <0.5 | 0.5  | <0.1  | <0.1 | <0.1 |      |
| BLK                    | Blank      | <1    | <1   | <0.2 | <0.1 | <0.5 | <0.1 | <0.1 | <0.1 | <1    | <0.5  | <0.1  | <0.2 | <0.1 | <8  | <0.5 | <0.1 | <0.1  | <0.1 | <0.1 |      |
| BLK                    | Blank      |       |      |      |      |      |      |      |      |       |       |       |      |      |     |      |      |       |      |      |      |
| BLK                    | Blank      |       |      |      |      |      |      |      |      |       |       |       |      |      |     |      |      |       |      |      |      |
| BLK                    | Blank      | <1    | <1   | <0.2 | <0.1 | <0.5 | <0.1 | <0.1 | <0.1 | <1    | <0.5  | <0.1  | <0.2 | <0.1 | <8  | <0.5 | <0.1 | <0.1  | <0.1 | <0.1 |      |
| BLK                    | Blank      | <1    | <1   | <0.2 | <0.1 | <0.5 | <0.1 | <0.1 | <0.1 | <1    | <0.5  | <0.1  | <0.2 | <0.1 | <8  | <0.5 | <0.1 | <0.1  | <0.1 | <0.1 |      |
| Prep Wash              |            |       |      |      |      |      |      |      |      |       |       |       |      |      |     |      |      |       |      |      |      |
| G1                     | Prep Blank | <0.01 | 1021 | 3    | 3.8  | 4.3  | 17.7 | 4.5  | 22.8 | 129.3 | 2     | 712.9 | 1.1  | 8.5  | 3.1 | 58   | <0.5 | 134.9 | 16.2 | 26.2 | 55.2 |
| G1                     | Prep Blank | <0.01 | 1058 | 1    | 3.8  | 3.7  | 18.1 | 3.6  | 22.0 | 121.4 | 1     | 722.3 | 1.2  | 9.9  | 3.9 | 54   | <0.5 | 120.6 | 16.9 | 33.5 | 67.8 |



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Project: TING\_RG

Report Date: July 16, 2011

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## QUALITY CONTROL REPORT

VAN11002657.1

|                        |            | 4B<br>Pr<br>ppm<br>0.02 | 4B<br>Nd<br>ppm<br>0.3 | 4B<br>Sm<br>ppm<br>0.05 | 4B<br>Eu<br>ppm<br>0.02 | 4B<br>Gd<br>ppm<br>0.05 | 4B<br>Tb<br>ppm<br>0.01 | 4B<br>Dy<br>ppm<br>0.05 | 4B<br>Ho<br>ppm<br>0.02 | 4B<br>Er<br>ppm<br>0.03 | 4B<br>Tm<br>ppm<br>0.01 | 4B<br>Yb<br>ppm<br>0.05 | 4B<br>Lu<br>ppm<br>0.01 | 1DX<br>Mo<br>ppm<br>0.1 | 1DX<br>Cu<br>ppm<br>0.1 | 1DX<br>Pb<br>ppm<br>0.1 | 1DX<br>Zn<br>ppm<br>1 | 1DX<br>Ni<br>ppm<br>0.1 | 1DX<br>As<br>ppm<br>0.5 | 1DX<br>Cd<br>ppm<br>0.1 | 1DX<br>Sb<br>ppm<br>0.1 |
|------------------------|------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| STD DS8 Expected       |            |                         |                        |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         | 13.44                   | 110                     | 123                     | 312                   | 38.1                    | 26                      | 2.38                    | 4.8                     |
| STD OREAS45CA Expected |            |                         |                        |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         | 1                       | 494                     | 20                      | 60                    | 240                     | 3.8                     | 0.1                     | 0.13                    |
| STD SO-18 Expected     |            | 3.45                    | 14                     | 3                       | 0.89                    | 2.93                    | 0.53                    | 3                       | 0.62                    | 1.84                    | 0.27                    | 1.79                    | 0.27                    |                         |                         |                         |                       |                         |                         |                         |                         |
| BLK                    | Blank      |                         |                        |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         | <0.1                    | <0.1                    | <0.1                    | <1                    | <0.1                    | <0.5                    | <0.1                    | <0.1                    |
| BLK                    | Blank      | <0.02                   | <0.3                   | <0.05                   | <0.02                   | <0.05                   | <0.01                   | <0.05                   | <0.02                   | <0.03                   | <0.01                   | <0.05                   | <0.01                   |                         |                         |                         |                       |                         |                         |                         |                         |
| BLK                    | Blank      | <0.02                   | <0.3                   | <0.05                   | <0.02                   | <0.05                   | <0.01                   | <0.05                   | <0.02                   | <0.03                   | <0.01                   | <0.05                   | <0.01                   |                         |                         |                         |                       |                         |                         |                         |                         |
| BLK                    | Blank      |                         |                        |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         | <0.1                    | <0.1                    | <0.1                    | <1                    | <0.1                    | <0.5                    | <0.1                    | <0.1                    |
| BLK                    | Blank      |                         |                        |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         | <0.1                    | <0.1                    | <0.1                    | <1                    | <0.1                    | <0.5                    | <0.1                    | <0.1                    |
| BLK                    | Blank      | <0.02                   | <0.3                   | <0.05                   | <0.02                   | <0.05                   | <0.01                   | <0.05                   | <0.02                   | <0.03                   | <0.01                   | <0.05                   | <0.01                   |                         |                         |                         |                       |                         |                         |                         |                         |
| BLK                    | Blank      | <0.02                   | <0.3                   | <0.05                   | <0.02                   | <0.05                   | <0.01                   | <0.05                   | <0.02                   | <0.03                   | <0.01                   | <0.05                   | <0.01                   |                         |                         |                         |                       |                         |                         |                         |                         |
| Prep Wash              |            |                         |                        |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         |                       |                         |                         |                         |                         |
| G1                     | Prep Blank | 6.24                    | 25.0                   | 4.16                    | 1.09                    | 3.49                    | 0.50                    | 2.75                    | 0.53                    | 1.77                    | 0.31                    | 1.81                    | 0.33                    | <0.1                    | 2.1                     | 3.4                     | 45                    | 3.4                     | <0.5                    | <0.1                    | <0.1                    |
| G1                     | Prep Blank | 7.05                    | 26.1                   | 4.27                    | 1.11                    | 3.39                    | 0.51                    | 2.73                    | 0.54                    | 1.60                    | 0.29                    | 1.89                    | 0.32                    | <0.1                    | 2.2                     | 3.6                     | 48                    | 3.3                     | <0.5                    | <0.1                    | <0.1                    |



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**Project:** TING\_RG

**Report Date:** July 16, 2011

**Page:** 2 of 2 **Part** 3

## QUALITY CONTROL REPORT

VAN11002657.1

|                        |            | 1DX<br>Bi<br>ppm<br>0.1 | 1DX<br>Ag<br>ppm<br>0.1 | 1DX<br>Au<br>ppb<br>0.5 | 1DX<br>Hg<br>ppm<br>0.01 | 1DX<br>Tl<br>ppm<br>0.1 | 1DX<br>Se<br>ppm<br>0.5 |
|------------------------|------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|
| STD DS8 Expected       |            | 6.67                    | 1.69                    | 107                     | 0.192                    | 5.4                     | 5.23                    |
| STD OREAS45CA Expected |            | 0.19                    | 0.275                   | 43                      | 0.03                     | 0.07                    | 0.5                     |
| STD SO-18 Expected     |            |                         |                         |                         |                          |                         |                         |
| BLK                    | Blank      | <0.1                    | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| BLK                    | Blank      |                         |                         |                         |                          |                         |                         |
| BLK                    | Blank      |                         |                         |                         |                          |                         |                         |
| BLK                    | Blank      | <0.1                    | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| BLK                    | Blank      | <0.1                    | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| BLK                    | Blank      |                         |                         |                         |                          |                         |                         |
| BLK                    | Blank      |                         |                         |                         |                          |                         |                         |
| Prep Wash              |            |                         |                         |                         |                          |                         |                         |
| G1                     | Prep Blank | <0.1                    | <0.1                    | 2.9                     | <0.01                    | 0.3                     | <0.5                    |
| G1                     | Prep Blank | <0.1                    | <0.1                    | 1.7                     | <0.01                    | 0.3                     | <0.5                    |



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Submitted By: Allison Brand

Receiving Lab: Canada-Vancouver

Received: July 18, 2011

Report Date: August 31, 2011

Page: 1 of 9

## CERTIFICATE OF ANALYSIS

VAN11003254.1

### CLIENT JOB INFORMATION

Project: TING PROP C  
Shipment ID: Greyhound51737223543  
P.O. Number  
Number of Samples: 225

### SAMPLE DISPOSAL

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

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

Invoice To: Harsbo Minerals Ltd.  
4758 Victory Street  
Burnaby BC V5J 1S2  
Canada

CC: David Turner  
Michael Burns  
Lee A. Groat  
Thomas Hasek

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                     | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|--------------------------------------|--------------|---------------|-----|
| Dry at 60C  | 225               | Dry at 60C                           |              |               | VAN |
| SS80        | 225               | Dry at 60C sieve 100g to -80 mesh    |              |               | VAN |
| RJSV        | 225               | Saving all or part of Soil Reject    |              |               | VAN |
| 4B02        | 225               | LiBO2/Li2B4O7 fusion ICP-MS analysis | 0.2          | Completed     | VAN |

### ADDITIONAL COMMENTS



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



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Project: TING PROP C

Report Date: August 31, 2011

Page: 2 of 9 Part 1

## CERTIFICATE OF ANALYSIS

VAN11003254.1

|             | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B  | 4B   | 4B   | 4B   | 4B   | 4B   | 4B    | 4B  | 4B    | 4B  | 4B   | 4B   | 4B  | 4B   | 4B    | 4B   | 4B   | 4B   |
|-------------|----------------------------------|------|-----|------|------|------|------|------|-------|-----|-------|-----|------|------|-----|------|-------|------|------|------|
|             |                                  | Ba   | Be  | Co   | Cs   | Ga   | Hf   | Nb   | Rb    | Sn  | Sr    | Ta  | Th   | U    | V   | W    | Zr    | Y    | La   | Ce   |
|             |                                  | ppm  | ppm | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm | ppm   | ppm | ppm  | ppm  | ppm | ppm  | ppm   | ppm  | ppm  | ppm  |
|             |                                  | 1    | 1   | 0.2  | 0.1  | 0.5  | 0.1  | 0.1  | 0.1   | 1   | 0.5   | 0.1 | 0.2  | 0.1  | 8   | 0.5  | 0.1   | 0.1  | 0.1  | 0.1  |
| 11-AAB-0257 | Soil                             | 497  | 2   | 8.5  | 3.1  | 11.1 | 12.8 | 10.3 | 42.5  | 2   | 105.3 | 0.6 | 8.5  | 2.8  | 109 | 1.1  | 502.6 | 24.7 | 26.8 | 49.3 |
| 11-AAB-0264 | Soil                             | 698  | 2   | 11.6 | 3.3  | 13.4 | 10.5 | 12.8 | 42.6  | 2   | 141.7 | 0.7 | 10.5 | 3.3  | 149 | 1.3  | 400.3 | 29.6 | 33.2 | 61.4 |
| 11-AAB-0266 | Soil                             | 548  | 1   | 22.6 | 3.3  | 12.7 | 19.2 | 11.7 | 45.5  | 2   | 130.4 | 0.8 | 10.3 | 3.5  | 121 | 1.2  | 739.1 | 27.7 | 31.4 | 59.0 |
| 11-AAB-0300 | Soil                             | 2052 | 3   | 2.4  | 5.7  | 12.8 | 8.0  | 61.1 | 112.4 | 2   | 110.0 | 3.1 | 14.9 | 7.0  | 344 | 5.2  | 319.6 | 25.5 | 50.1 | 77.5 |
| 11-AAB-0262 | Soil                             | 1149 | 1   | 11.4 | 3.3  | 12.1 | 19.5 | 12.1 | 53.0  | 2   | 102.4 | 0.7 | 10.6 | 4.2  | 161 | 1.0  | 800.6 | 27.5 | 29.9 | 55.0 |
| 11-AAB-0263 | Soil                             | 677  | 2   | 10.2 | 3.4  | 12.8 | 11.6 | 13.0 | 45.5  | 3   | 138.0 | 0.8 | 11.1 | 3.9  | 147 | 1.3  | 432.3 | 30.6 | 32.0 | 61.1 |
| 11-AAB-0272 | Soil                             | 578  | 2   | 12.6 | 4.9  | 13.5 | 6.2  | 12.0 | 76.3  | 2   | 81.4  | 0.8 | 10.4 | 2.7  | 133 | 1.5  | 227.1 | 21.8 | 29.8 | 55.4 |
| 11-AAB-0254 | Soil                             | 687  | 2   | 14.1 | 4.3  | 14.8 | 8.2  | 13.9 | 60.5  | 3   | 116.9 | 0.9 | 11.6 | 4.0  | 173 | 1.5  | 300.6 | 31.6 | 36.3 | 65.4 |
| 11-AAB-0261 | Soil                             | 791  | 2   | 9.9  | 3.7  | 11.4 | 6.6  | 9.5  | 53.8  | 2   | 97.8  | 0.6 | 9.0  | 4.6  | 155 | 1.1  | 261.8 | 24.8 | 25.9 | 48.3 |
| 11-AAB-0259 | Soil                             | 504  | 3   | 11.8 | 3.8  | 12.8 | 5.4  | 11.3 | 51.5  | 3   | 136.1 | 0.9 | 10.6 | 3.1  | 135 | 1.4  | 208.5 | 26.7 | 32.2 | 58.5 |
| 11-AAB-0281 | Soil                             | 573  | 3   | 13.9 | 7.4  | 18.6 | 5.4  | 15.3 | 100.0 | 2   | 107.4 | 1.2 | 12.3 | 3.3  | 157 | 1.4  | 187.6 | 27.1 | 36.4 | 70.2 |
| 11-AAB-0277 | Soil                             | 898  | 3   | 7.6  | 7.4  | 16.4 | 6.2  | 13.2 | 96.9  | 2   | 93.3  | 0.8 | 10.9 | 3.1  | 153 | 1.1  | 226.9 | 22.0 | 31.7 | 60.1 |
| 11-AAB-0258 | Soil                             | 466  | 3   | 12.4 | 5.1  | 18.1 | 9.1  | 13.2 | 68.4  | 3   | 167.9 | 0.9 | 12.2 | 3.4  | 149 | 1.4  | 343.6 | 30.5 | 36.4 | 68.5 |
| 11-AAB-0286 | Soil                             | 825  | 2   | 13.4 | 5.9  | 15.5 | 6.0  | 13.7 | 91.3  | 2   | 101.7 | 0.9 | 10.9 | 3.2  | 156 | 1.5  | 217.4 | 25.6 | 32.7 | 62.9 |
| 11-AAB-0287 | Soil                             | 1159 | 1   | 15.8 | 4.2  | 11.3 | 13.6 | 10.3 | 69.9  | 2   | 90.8  | 0.8 | 9.0  | 3.2  | 131 | 1.1  | 530.1 | 25.6 | 25.4 | 48.2 |
| 11-AAB-0296 | Soil                             | 4305 | 2   | 4.6  | 5.4  | 11.1 | 7.2  | 46.7 | 102.2 | 2   | 104.6 | 2.4 | 15.5 | 10.0 | 437 | 3.3  | 293.6 | 24.0 | 48.1 | 76.6 |
| 11-AAB-0275 | Soil                             | 531  | 2   | 21.4 | 4.4  | 12.1 | 6.5  | 9.1  | 69.9  | 2   | 73.1  | 0.6 | 8.6  | 2.8  | 125 | 1.1  | 246.1 | 24.1 | 25.1 | 50.0 |
| 11-AAB-0289 | Soil                             | 586  | 1   | 23.1 | 5.3  | 15.5 | 5.1  | 11.2 | 90.8  | 2   | 96.6  | 0.8 | 8.9  | 2.4  | 145 | 1.1  | 183.9 | 24.2 | 28.9 | 56.5 |
| 11-AAB-0278 | Soil                             | 313  | 1   | 21.0 | 2.4  | 7.7  | 7.5  | 6.9  | 38.8  | 1   | 69.8  | 0.4 | 6.2  | 2.3  | 77  | 0.7  | 293.8 | 19.4 | 18.9 | 37.7 |
| 11-AAB-0280 | Soil                             | 723  | 3   | 12.2 | 8.2  | 19.7 | 5.1  | 16.1 | 110.5 | 3   | 117.8 | 1.1 | 12.3 | 3.0  | 168 | 1.5  | 181.6 | 25.1 | 36.8 | 70.3 |
| 11-AAB-0271 | Soil                             | 951  | 2   | 9.0  | 4.2  | 9.9  | 12.1 | 12.6 | 71.1  | 2   | 84.5  | 1.0 | 8.0  | 3.0  | 137 | 1.2  | 470.6 | 24.7 | 26.1 | 51.3 |
| 11-AAB-0304 | Soil                             | 746  | <1  | 0.7  | 2.2  | 8.7  | 10.7 | 12.7 | 40.3  | 2   | 58.1  | 1.0 | 7.4  | 2.7  | 125 | 1.4  | 389.1 | 19.3 | 27.6 | 50.1 |
| 11-AAB-0285 | Soil                             | 450  | <1  | 6.7  | 3.1  | 7.6  | 9.8  | 7.5  | 46.6  | 1   | 56.1  | 0.5 | 5.5  | 2.1  | 83  | 0.6  | 388.1 | 16.5 | 18.3 | 34.6 |
| 11-AAB-0279 | Soil                             | 223  | 2   | 7.1  | 1.9  | 5.9  | 10.4 | 5.4  | 28.4  | 1   | 60.9  | 0.4 | 5.0  | 1.9  | 57  | 0.6  | 408.4 | 14.6 | 15.1 | 29.2 |
| 11-AAB-0274 | Soil                             | 313  | <1  | 6.1  | 2.7  | 6.4  | 11.0 | 7.0  | 42.5  | 1   | 55.8  | 0.5 | 5.4  | 2.3  | 69  | 0.7  | 447.6 | 17.2 | 18.1 | 33.6 |
| 11-AAB-0267 | Soil                             | 695  | 3   | 22.2 | 4.5  | 16.2 | 7.5  | 11.9 | 59.3  | 2   | 136.3 | 0.7 | 10.8 | 3.1  | 153 | 1.4  | 269.0 | 29.4 | 35.7 | 69.6 |
| 11-AAB-0265 | Soil                             | 663  | 2   | 19.3 | 3.8  | 13.0 | 8.8  | 9.7  | 51.8  | 4   | 92.2  | 0.7 | 9.3  | 2.6  | 126 | 1.1  | 301.4 | 25.5 | 29.7 | 57.6 |
| 11-LAG-012  | Soil                             | 458  | 2   | 6.6  | 7.8  | 15.9 | 7.2  | 22.1 | 127.1 | 3   | 176.0 | 2.3 | 18.2 | 55.9 | 55  | 2.2  | 265.9 | 39.6 | 47.9 | 87.3 |
| 11-LAG-019  | Soil                             | 727  | 2   | 10.8 | 22.5 | 15.6 | 4.0  | 10.5 | 161.8 | 2   | 148.3 | 0.8 | 7.5  | 3.2  | 73  | 16.8 | 167.1 | 17.7 | 26.4 | 61.0 |
| 11-JAM-305  | Soil                             | 3828 | 4   | 5.9  | 5.7  | 12.1 | 5.4  | 50.8 | 107.8 | 2   | 121.4 | 2.9 | 20.0 | 10.3 | 381 | 4.9  | 265.1 | 28.5 | 50.7 | 80.0 |



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Report Date: August 31, 2011

Page: 2 of 9 Part 2

## CERTIFICATE OF ANALYSIS

VAN11003254.1

|             | Method<br>Analyte | Unit<br>MDL | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 1DX  | 1DX  | 1DX  | 1DX   | 1DX | 1DX  | 1DX  | 1DX  |
|-------------|-------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-----|------|------|------|
|             |                   |             | Nd   | Sm   | Eu   | Gd   | Tb   | Dy   | Ho   | Er   | Tm   | Yb   | Lu   | Mo   | Cu   | Pb    | Zn  | Ni   | As   | Cd   |
|             |                   |             | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm | ppm  | ppm  | ppm  |
|             |                   |             | 0.3  | 0.05 | 0.02 | 0.05 | 0.01 | 0.05 | 0.02 | 0.03 | 0.01 | 0.05 | 0.01 | 0.1  | 0.1  | 0.1   | 1   | 0.1  | 0.5  | 0.1  |
| 11-AAB-0257 | Soil              |             | 21.6 | 4.36 | 0.90 | 3.65 | 0.65 | 3.90 | 0.80 | 2.44 | 0.39 | 2.52 | 0.42 | 0.9  | 7.9  | 11.8  | 67  | 20.9 | 11.1 | 0.4  |
| 11-AAB-0264 | Soil              |             | 29.0 | 5.08 | 1.05 | 4.49 | 0.80 | 4.58 | 0.95 | 2.99 | 0.47 | 3.01 | 0.47 | 1.4  | 11.2 | 15.9  | 102 | 30.0 | 18.1 | 0.4  |
| 11-AAB-0266 | Soil              |             | 27.0 | 4.91 | 1.01 | 4.17 | 0.76 | 4.54 | 0.94 | 2.85 | 0.46 | 3.07 | 0.49 | 1.0  | 7.7  | 13.1  | 94  | 24.9 | 13.6 | 0.3  |
| 11-AAB-0300 | Soil              |             | 28.5 | 4.64 | 0.93 | 3.47 | 0.61 | 3.71 | 0.76 | 2.33 | 0.38 | 2.52 | 0.37 | 16.1 | 14.1 | 25.2  | 141 | 28.1 | 24.0 | 0.7  |
| 11-AAB-0262 | Soil              |             | 25.7 | 4.78 | 0.96 | 4.08 | 0.74 | 4.48 | 0.96 | 2.82 | 0.46 | 3.00 | 0.48 | 2.6  | 11.6 | 16.2  | 134 | 29.9 | 14.4 | 0.9  |
| 11-AAB-0263 | Soil              |             | 27.3 | 5.19 | 1.08 | 4.56 | 0.77 | 4.69 | 0.95 | 3.06 | 0.47 | 3.01 | 0.47 | 1.7  | 12.0 | 16.9  | 93  | 28.9 | 16.2 | 0.5  |
| 11-AAB-0272 | Soil              |             | 24.9 | 4.36 | 0.96 | 3.61 | 0.63 | 3.81 | 0.74 | 2.20 | 0.35 | 2.26 | 0.34 | 0.7  | 18.3 | 16.4  | 105 | 21.2 | 13.1 | 0.1  |
| 11-AAB-0254 | Soil              |             | 31.4 | 5.75 | 1.25 | 4.85 | 0.83 | 4.89 | 1.07 | 3.11 | 0.49 | 2.98 | 0.47 | 2.4  | 19.3 | 25.9  | 127 | 37.0 | 21.0 | 1.0  |
| 11-AAB-0261 | Soil              |             | 23.8 | 4.17 | 0.91 | 3.72 | 0.66 | 3.96 | 0.82 | 2.45 | 0.38 | 2.42 | 0.38 | 4.3  | 11.9 | 14.7  | 128 | 33.2 | 17.8 | 0.6  |
| 11-AAB-0259 | Soil              |             | 26.7 | 5.03 | 1.09 | 4.17 | 0.73 | 4.22 | 0.83 | 2.55 | 0.39 | 2.53 | 0.39 | 1.7  | 13.1 | 16.6  | 108 | 33.8 | 15.8 | 0.5  |
| 11-AAB-0281 | Soil              |             | 31.8 | 5.68 | 1.21 | 4.54 | 0.76 | 4.51 | 0.88 | 2.58 | 0.42 | 2.79 | 0.40 | 0.5  | 23.5 | 18.6  | 98  | 21.8 | 12.3 | 0.1  |
| 11-AAB-0277 | Soil              |             | 24.3 | 4.36 | 0.96 | 3.47 | 0.62 | 3.53 | 0.76 | 2.26 | 0.36 | 2.33 | 0.35 | 1.2  | 23.0 | 19.9  | 79  | 15.3 | 15.4 | 0.1  |
| 11-AAB-0258 | Soil              |             | 32.6 | 5.85 | 1.28 | 5.20 | 0.84 | 4.92 | 1.00 | 3.09 | 0.46 | 3.01 | 0.47 | 1.0  | 14.2 | 18.5  | 82  | 30.6 | 13.5 | 0.5  |
| 11-AAB-0286 | Soil              |             | 27.5 | 5.18 | 1.15 | 4.26 | 0.75 | 4.45 | 0.93 | 2.71 | 0.40 | 2.69 | 0.42 | 0.8  | 21.2 | 16.2  | 94  | 22.7 | 13.1 | <0.1 |
| 11-AAB-0287 | Soil              |             | 22.7 | 4.32 | 0.99 | 4.02 | 0.70 | 4.04 | 0.90 | 2.72 | 0.41 | 2.70 | 0.45 | 0.7  | 19.5 | 13.4  | 104 | 32.1 | 13.6 | 0.2  |
| 11-AAB-0296 | Soil              |             | 29.0 | 4.74 | 0.77 | 3.54 | 0.61 | 3.38 | 0.75 | 2.09 | 0.36 | 2.24 | 0.36 | 33.2 | 25.3 | 21.5  | 209 | 56.8 | 29.8 | 2.2  |
| 11-AAB-0275 | Soil              |             | 25.0 | 4.75 | 1.05 | 4.11 | 0.69 | 3.85 | 0.79 | 2.27 | 0.34 | 2.16 | 0.36 | 0.8  | 17.9 | 14.3  | 101 | 29.9 | 15.1 | 0.2  |
| 11-AAB-0289 | Soil              |             | 26.4 | 5.04 | 1.12 | 4.31 | 0.72 | 4.12 | 0.87 | 2.34 | 0.37 | 2.40 | 0.37 | 0.8  | 28.1 | 16.9  | 122 | 44.1 | 10.9 | 0.1  |
| 11-AAB-0278 | Soil              |             | 17.7 | 3.41 | 0.81 | 3.46 | 0.57 | 3.24 | 0.71 | 1.98 | 0.29 | 1.84 | 0.29 | 1.0  | 11.6 | 12.1  | 107 | 41.8 | 13.6 | 0.4  |
| 11-AAB-0280 | Soil              |             | 30.3 | 5.27 | 1.06 | 4.18 | 0.72 | 3.99 | 0.89 | 2.57 | 0.39 | 2.57 | 0.39 | 0.9  | 25.0 | 21.4  | 90  | 21.1 | 11.2 | <0.1 |
| 11-AAB-0271 | Soil              |             | 22.1 | 4.11 | 0.91 | 3.56 | 0.64 | 3.75 | 0.85 | 2.52 | 0.43 | 2.66 | 0.44 | 0.5  | 14.5 | 12.0  | 80  | 17.0 | 11.1 | <0.1 |
| 11-AAB-0304 | Soil              |             | 21.9 | 3.56 | 0.61 | 2.77 | 0.50 | 2.94 | 0.65 | 1.87 | 0.30 | 1.90 | 0.30 | 3.4  | 4.5  | 8.1   | 11  | 3.2  | 5.6  | <0.1 |
| 11-AAB-0285 | Soil              |             | 16.1 | 2.95 | 0.65 | 2.61 | 0.43 | 2.37 | 0.55 | 1.69 | 0.25 | 1.77 | 0.28 | 0.5  | 12.0 | 8.8   | 57  | 14.4 | 7.9  | <0.1 |
| 11-AAB-0279 | Soil              |             | 13.3 | 2.63 | 0.55 | 2.17 | 0.39 | 2.19 | 0.52 | 1.44 | 0.25 | 1.53 | 0.26 | 0.6  | 6.4  | 8.5   | 59  | 18.0 | 8.4  | 0.2  |
| 11-AAB-0274 | Soil              |             | 15.6 | 3.06 | 0.68 | 2.83 | 0.48 | 2.76 | 0.59 | 1.74 | 0.27 | 1.88 | 0.29 | 0.6  | 9.9  | 9.3   | 52  | 14.6 | 8.1  | 0.1  |
| 11-AAB-0267 | Soil              |             | 29.4 | 5.72 | 1.18 | 4.60 | 0.81 | 4.76 | 0.94 | 2.92 | 0.45 | 2.86 | 0.44 | 1.5  | 12.5 | 20.1  | 117 | 34.5 | 20.4 | 0.3  |
| 11-AAB-0265 | Soil              |             | 26.4 | 5.10 | 1.04 | 4.31 | 0.72 | 4.01 | 0.87 | 2.62 | 0.38 | 2.42 | 0.39 | 1.1  | 9.1  | 15.3  | 94  | 25.1 | 17.2 | 0.3  |
| 11-LAG-012  | Soil              |             | 38.5 | 7.08 | 1.17 | 5.87 | 1.02 | 6.01 | 1.27 | 3.73 | 0.61 | 3.82 | 0.62 | 1.2  | 7.3  | 21.0  | 87  | 10.3 | 4.3  | 0.4  |
| 11-LAG-019  | Soil              |             | 19.2 | 3.51 | 0.86 | 2.91 | 0.49 | 2.70 | 0.54 | 1.57 | 0.25 | 1.49 | 0.24 | 43.5 | 35.6 | 402.1 | 454 | 14.2 | 21.5 | 2.3  |
| 11-JAM-305  | Soil              |             | 29.3 | 4.72 | 0.88 | 4.11 | 0.65 | 3.69 | 0.86 | 2.37 | 0.37 | 2.37 | 0.37 | 16.3 | 25.6 | 33.0  | 465 | 89.3 | 26.2 | 8.8  |



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**Project:** TING PROP C  
**Report Date:** August 31, 2011

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## CERTIFICATE OF ANALYSIS

VAN11003254.1

|             | Method<br>Analyte<br>Unit<br>MDL | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  |
|-------------|----------------------------------|------|------|------|------|------|
|             |                                  | Ag   | Au   | Hg   | Tl   | Se   |
|             |                                  | ppm  | ppb  | ppm  | ppm  | ppm  |
|             |                                  | 0.1  | 0.5  | 0.01 | 0.1  | 0.5  |
| 11-AAB-0257 | Soil                             | 0.1  | 2.9  | 0.03 | <0.1 | 0.7  |
| 11-AAB-0264 | Soil                             | 0.2  | <0.5 | 0.04 | <0.1 | 1.3  |
| 11-AAB-0266 | Soil                             | 0.3  | <0.5 | 0.05 | <0.1 | 0.8  |
| 11-AAB-0300 | Soil                             | 0.8  | 0.7  | 0.06 | 0.7  | 2.5  |
| 11-AAB-0262 | Soil                             | 0.2  | <0.5 | 0.04 | 0.1  | 1.7  |
| 11-AAB-0263 | Soil                             | 0.2  | <0.5 | 0.08 | 0.1  | 1.9  |
| 11-AAB-0272 | Soil                             | 0.2  | <0.5 | 0.05 | <0.1 | <0.5 |
| 11-AAB-0254 | Soil                             | 0.3  | <0.5 | 0.09 | 0.1  | 2.0  |
| 11-AAB-0261 | Soil                             | 0.2  | <0.5 | 0.05 | 0.1  | 1.7  |
| 11-AAB-0259 | Soil                             | 0.2  | <0.5 | 0.04 | <0.1 | 1.6  |
| 11-AAB-0281 | Soil                             | 0.1  | <0.5 | 0.04 | <0.1 | 1.1  |
| 11-AAB-0277 | Soil                             | 0.1  | <0.5 | 0.05 | <0.1 | 1.2  |
| 11-AAB-0258 | Soil                             | 0.2  | <0.5 | 0.30 | 0.2  | 1.5  |
| 11-AAB-0286 | Soil                             | 0.1  | <0.5 | 0.05 | <0.1 | <0.5 |
| 11-AAB-0287 | Soil                             | 0.1  | <0.5 | 0.06 | <0.1 | 0.6  |
| 11-AAB-0296 | Soil                             | 0.6  | <0.5 | 0.20 | 1.4  | 3.2  |
| 11-AAB-0275 | Soil                             | 0.1  | <0.5 | 0.04 | <0.1 | 0.9  |
| 11-AAB-0289 | Soil                             | 0.1  | <0.5 | 0.05 | <0.1 | 0.6  |
| 11-AAB-0278 | Soil                             | 0.1  | <0.5 | 0.04 | <0.1 | 0.7  |
| 11-AAB-0280 | Soil                             | 0.1  | <0.5 | 0.03 | <0.1 | 0.6  |
| 11-AAB-0271 | Soil                             | 0.1  | <0.5 | 0.05 | <0.1 | 0.5  |
| 11-AAB-0304 | Soil                             | 0.1  | <0.5 | 0.01 | <0.1 | <0.5 |
| 11-AAB-0285 | Soil                             | <0.1 | <0.5 | 0.02 | <0.1 | 0.5  |
| 11-AAB-0279 | Soil                             | <0.1 | <0.5 | 0.02 | <0.1 | 0.9  |
| 11-AAB-0274 | Soil                             | 0.1  | <0.5 | 0.03 | <0.1 | <0.5 |
| 11-AAB-0267 | Soil                             | 0.2  | <0.5 | 0.05 | <0.1 | 1.3  |
| 11-AAB-0265 | Soil                             | 0.2  | <0.5 | 0.06 | <0.1 | 1.3  |
| 11-LAG-012  | Soil                             | 0.1  | 4.8  | 0.01 | 0.2  | <0.5 |
| 11-LAG-019  | Soil                             | 0.4  | 0.8  | 0.01 | 0.6  | <0.5 |
| 11-JAM-305  | Soil                             | 0.5  | 0.5  | 0.11 | 0.4  | 1.7  |



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Project: TING PROP C

Report Date: August 31, 2011

Page: 3 of 9 Part 1

## CERTIFICATE OF ANALYSIS

VAN11003254.1

|            | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B  | 4B   | 4B   | 4B   | 4B   | 4B    | 4B    | 4B  | 4B    | 4B   | 4B   | 4B   | 4B  | 4B   | 4B    | 4B   | 4B    |
|------------|----------------------------------|------|-----|------|------|------|------|-------|-------|-----|-------|------|------|------|-----|------|-------|------|-------|
|            |                                  | Ba   | Be  | Co   | Cs   | Ga   | Hf   | Nb    | Rb    | Sn  | Sr    | Ta   | Th   | U    | V   | W    | Zr    | Y    | La    |
|            |                                  | ppm  | ppm | ppm  | ppm  | ppm  | ppm  | ppm   | ppm   | ppm | ppm   | ppm  | ppm  | ppm  | ppm | ppm  | ppm   | ppm  | ppm   |
|            |                                  | 1    | 1   | 0.2  | 0.1  | 0.5  | 0.1  | 0.1   | 0.1   | 1   | 0.5   | 0.1  | 0.2  | 0.1  | 8   | 0.5  | 0.1   | 0.1  | 0.1   |
| 11-JAM-308 | Soil                             | 3337 | 3   | 3.8  | 4.1  | 8.3  | 4.3  | 39.6  | 84.4  | 1   | 94.4  | 2.0  | 13.9 | 10.4 | 288 | 4.6  | 216.8 | 23.7 | 43.8  |
| 11-JAM-316 | Soil                             | 2019 | 5   | 3.3  | 7.2  | 17.0 | 16.2 | 197.2 | 210.1 | 3   | 84.4  | 7.9  | 37.0 | 7.1  | 245 | 1.9  | 757.4 | 34.9 | 77.1  |
| 11-JAM-312 | Soil                             | 957  | 4   | 4.1  | 26.0 | 14.8 | 9.1  | 76.5  | 158.9 | 3   | 103.0 | 3.7  | 21.9 | 7.1  | 294 | 1.8  | 386.6 | 23.3 | 48.7  |
| 11-JAM-322 | Soil                             | 1238 | 3   | 2.3  | 4.5  | 11.7 | 7.6  | 41.6  | 82.8  | 2   | 71.3  | 2.0  | 11.1 | 8.5  | 320 | 1.8  | 291.0 | 21.6 | 36.5  |
| 11-JAM-302 | Soil                             | 4967 | 2   | 5.0  | 6.6  | 14.5 | 6.7  | 53.9  | 111.3 | 2   | 108.2 | 2.9  | 17.6 | 10.7 | 462 | 3.7  | 310.0 | 28.0 | 53.7  |
| 11-JAM-320 | Soil                             | 928  | 2   | 1.7  | 5.5  | 14.2 | 10.2 | 69.1  | 130.2 | 3   | 95.1  | 3.2  | 13.8 | 5.1  | 212 | 1.9  | 423.8 | 22.4 | 40.0  |
| 11-JAM-321 | Soil                             | 911  | 2   | 2.8  | 4.2  | 11.9 | 6.8  | 44.9  | 93.7  | 2   | 76.9  | 1.9  | 10.2 | 4.8  | 271 | 2.0  | 295.7 | 18.6 | 34.1  |
| 11-JAM-301 | Soil                             | 3467 | 4   | 3.8  | 7.1  | 14.1 | 6.2  | 83.0  | 137.9 | 2   | 130.5 | 4.1  | 24.1 | 7.2  | 387 | 6.6  | 303.7 | 29.2 | 68.0  |
| 11-JAM-319 | Soil                             | 1065 | 5   | 6.4  | 4.9  | 13.9 | 8.6  | 38.4  | 102.4 | 3   | 108.6 | 2.1  | 23.5 | 5.2  | 251 | 2.3  | 354.4 | 28.8 | 51.8  |
| 11-JAM-323 | Soil                             | 1170 | 4   | 1.9  | 3.4  | 9.2  | 4.5  | 19.7  | 67.0  | 2   | 65.0  | 1.1  | 8.4  | 9.5  | 374 | 1.7  | 181.5 | 20.5 | 30.9  |
| 11-JAM-313 | Soil                             | 1085 | 9   | 2.5  | 9.9  | 21.8 | 20.2 | 301.2 | 250.9 | 4   | 46.9  | 11.4 | 62.0 | 8.4  | 300 | 2.6  | 939.6 | 29.7 | 62.4  |
| 11-JAM-295 | Soil                             | 2098 | 8   | 6.2  | 11.1 | 16.2 | 5.4  | 55.0  | 156.7 | 3   | 181.9 | 2.4  | 37.7 | 16.0 | 534 | 8.4  | 258.7 | 53.8 | 174.3 |
| 11-JAM-306 | Soil                             | 3203 | 5   | 4.2  | 5.6  | 14.3 | 9.5  | 116.1 | 147.9 | 2   | 169.6 | 5.8  | 28.3 | 8.0  | 279 | 8.0  | 433.6 | 31.2 | 81.9  |
| 11-MGB-282 | Soil                             | 627  | 7   | 7.7  | 7.9  | 16.8 | 6.7  | 14.1  | 98.5  | 5   | 202.7 | 1.4  | 16.2 | 4.5  | 81  | 2.2  | 235.2 | 26.0 | 43.9  |
| 11-MGB-276 | Soil                             | 742  | 2   | 7.3  | 3.4  | 8.5  | 6.5  | 12.3  | 62.0  | 2   | 107.1 | 0.8  | 11.4 | 2.4  | 102 | 0.9  | 233.0 | 21.0 | 43.2  |
| 11-MGB-274 | Soil                             | 658  | 3   | 9.7  | 4.5  | 10.8 | 9.6  | 16.7  | 86.0  | 2   | 136.1 | 1.2  | 15.3 | 3.1  | 93  | 2.2  | 342.4 | 28.9 | 50.5  |
| 11-MGB-272 | Soil                             | 606  | 3   | 10.2 | 6.4  | 13.6 | 6.5  | 18.1  | 104.8 | 8   | 150.7 | 1.4  | 15.3 | 7.3  | 96  | 17.3 | 251.3 | 28.6 | 46.3  |
| 11-MGB-277 | Soil                             | 697  | 2   | 6.8  | 3.3  | 8.7  | 7.5  | 13.1  | 63.8  | 3   | 105.6 | 0.9  | 9.8  | 2.1  | 99  | 1.3  | 261.5 | 21.0 | 36.4  |
| 11-MGB-283 | Soil                             | 528  | 3   | 11.6 | 10.7 | 17.3 | 6.1  | 13.5  | 98.3  | 5   | 212.8 | 1.1  | 16.2 | 3.6  | 69  | 6.3  | 233.4 | 27.0 | 49.5  |
| 11-JAM-303 | Soil                             | 3144 | 5   | 5.7  | 8.2  | 16.6 | 6.1  | 74.8  | 128.3 | 4   | 126.4 | 3.7  | 24.0 | 7.7  | 359 | 6.1  | 273.8 | 28.4 | 65.4  |
| 11-JAM-310 | Soil                             | 978  | 5   | 3.5  | 8.4  | 14.2 | 10.4 | 95.8  | 150.1 | 3   | 86.8  | 4.1  | 19.5 | 6.0  | 278 | 1.9  | 420.6 | 20.2 | 42.3  |
| 11-JAM-279 | Soil                             | 1774 | 8   | 6.9  | 5.5  | 13.1 | 8.1  | 46.8  | 102.2 | 3   | 109.5 | 2.5  | 24.4 | 10.8 | 241 | 12.1 | 346.1 | 37.6 | 86.6  |
| 11-JAM-311 | Soil                             | 890  | 6   | 5.6  | 7.7  | 15.5 | 10.0 | 86.3  | 141.6 | 3   | 96.5  | 3.7  | 22.2 | 5.6  | 271 | 1.9  | 421.8 | 21.3 | 43.3  |
| 11-JAM-281 | Soil                             | 995  | 4   | 6.8  | 6.3  | 14.4 | 7.8  | 25.0  | 95.2  | 4   | 117.6 | 1.5  | 14.1 | 3.8  | 279 | 4.4  | 299.7 | 24.8 | 48.2  |
| 11-JAM-260 | Soil                             | 1052 | 10  | 5.7  | 21.6 | 23.1 | 14.0 | 179.7 | 215.1 | 5   | 212.3 | 7.7  | 26.3 | 6.8  | 182 | 8.0  | 758.7 | 29.2 | 82.3  |
| 11-JAM-287 | Soil                             | 1613 | 5   | 4.9  | 10.2 | 17.6 | 12.4 | 117.8 | 146.6 | 3   | 115.3 | 6.3  | 22.4 | 8.8  | 283 | 10.7 | 564.2 | 25.6 | 80.2  |
| 11-JAM-304 | Soil                             | 2697 | 3   | 3.9  | 6.7  | 15.4 | 7.6  | 84.3  | 137.4 | 3   | 151.8 | 4.8  | 22.0 | 6.6  | 284 | 6.7  | 346.6 | 25.8 | 63.5  |
| 11-JAM-284 | Soil                             | 2381 | 8   | 2.3  | 9.8  | 19.2 | 16.0 | 180.4 | 241.3 | 4   | 139.1 | 9.0  | 23.1 | 9.8  | 200 | 25.5 | 772.3 | 24.5 | 83.6  |
| 11-JAM-258 | Soil                             | 796  | 2   | 8.4  | 5.1  | 11.2 | 18.6 | 34.6  | 82.3  | 3   | 81.9  | 2.0  | 17.4 | 4.5  | 198 | 3.8  | 718.2 | 28.9 | 59.6  |
| 11-JAM-288 | Soil                             | 1256 | 7   | 4.6  | 8.7  | 18.7 | 10.3 | 73.9  | 113.9 | 3   | 139.7 | 3.7  | 32.0 | 7.5  | 144 | 10.9 | 394.8 | 25.4 | 81.5  |



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Project: TING PROP C

Report Date: August 31, 2011

Page: 3 of 9 Part 2

## CERTIFICATE OF ANALYSIS

**VAN11003254.1**

|            | Method<br>Analyte<br>Unit<br>MDL | 4B         | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 1DX        | 1DX        | 1DX        | 1DX      | 1DX        | 1DX        | 1DX        | 1DX        |
|------------|----------------------------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|------------|----------|------------|------------|------------|------------|
|            |                                  | Nd         | Sm          | Eu          | Gd          | Tb          | Dy          | Ho          | Er          | Tm          | Yb          | Lu          | Mo         | Cu         | Pb         | Zn       | Ni         | As         | Cd         | Sb         |
|            |                                  | ppm<br>0.3 | ppm<br>0.05 | ppm<br>0.02 | ppm<br>0.05 | ppm<br>0.01 | ppm<br>0.05 | ppm<br>0.02 | ppm<br>0.03 | ppm<br>0.01 | ppm<br>0.05 | ppm<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.1 | ppm<br>0.1 |
| 11-JAM-308 | Soil                             | 24.2       | 4.01        | 0.77        | 3.38        | 0.55        | 3.12        | 0.68        | 1.98        | 0.33        | 2.08        | 0.32        | 8.4        | 23.9       | 28.5       | 471      | 85.0       | 18.7       | 10.6       | 3.3        |
| 11-JAM-316 | Soil                             | 37.9       | 5.72        | 0.87        | 4.39        | 0.78        | 4.69        | 1.06        | 3.59        | 0.60        | 3.91        | 0.65        | 11.4       | 16.6       | 34.1       | 363      | 93.4       | 20.5       | 1.0        | 1.6        |
| 11-JAM-312 | Soil                             | 29.9       | 5.14        | 0.88        | 3.83        | 0.63        | 3.77        | 0.79        | 2.33        | 0.39        | 2.53        | 0.40        | 29.1       | 14.0       | 18.1       | 93       | 16.4       | 14.8       | 0.3        | 1.6        |
| 11-JAM-322 | Soil                             | 25.8       | 4.35        | 0.85        | 3.79        | 0.57        | 3.03        | 0.71        | 2.00        | 0.32        | 2.06        | 0.30        | 58.7       | 28.2       | 13.3       | 52       | 12.9       | 17.7       | <0.1       | 2.2        |
| 11-JAM-302 | Soil                             | 33.3       | 5.32        | 0.98        | 4.18        | 0.71        | 3.89        | 0.88        | 2.57        | 0.40        | 2.67        | 0.39        | 32.8       | 26.4       | 25.2       | 253      | 63.7       | 32.0       | 2.9        | 2.0        |
| 11-JAM-320 | Soil                             | 29.6       | 4.75        | 0.85        | 3.61        | 0.62        | 3.32        | 0.75        | 2.11        | 0.37        | 2.38        | 0.39        | 15.4       | 4.1        | 11.4       | 27       | 5.2        | 6.8        | 0.2        | 0.9        |
| 11-JAM-321 | Soil                             | 27.1       | 4.27        | 0.84        | 3.46        | 0.52        | 3.08        | 0.65        | 1.88        | 0.30        | 1.90        | 0.31        | 42.1       | 10.2       | 13.0       | 41       | 7.8        | 12.1       | 0.1        | 2.1        |
| 11-JAM-301 | Soil                             | 39.9       | 5.83        | 1.16        | 4.68        | 0.72        | 4.36        | 0.88        | 2.63        | 0.41        | 2.78        | 0.41        | 19.3       | 19.2       | 36.2       | 219      | 48.8       | 28.5       | 2.1        | 2.2        |
| 11-JAM-319 | Soil                             | 37.7       | 6.18        | 1.08        | 4.82        | 0.82        | 4.59        | 0.98        | 2.88        | 0.45        | 3.06        | 0.46        | 10.6       | 16.1       | 16.6       | 104      | 23.6       | 12.8       | 0.4        | 1.0        |
| 11-JAM-323 | Soil                             | 23.8       | 4.13        | 0.88        | 3.87        | 0.56        | 3.45        | 0.60        | 1.93        | 0.26        | 1.52        | 0.27        | 83.7       | 31.9       | 11.7       | 42       | 8.2        | 21.6       | 0.2        | 3.6        |
| 11-JAM-313 | Soil                             | 27.7       | 4.76        | 0.68        | 3.59        | 0.67        | 4.27        | 0.88        | 2.85        | 0.52        | 3.71        | 0.59        | 27.8       | 14.3       | 45.7       | 172      | 26.0       | 16.9       | 0.4        | 1.9        |
| 11-JAM-295 | Soil                             | 84.0       | 12.56       | 1.98        | 9.67        | 1.48        | 8.32        | 1.59        | 4.62        | 0.70        | 4.57        | 0.65        | 10.0       | 25.5       | 27.2       | 495      | 49.1       | 51.9       | 13.4       | 2.0        |
| 11-JAM-306 | Soil                             | 43.7       | 6.35        | 1.29        | 5.10        | 0.80        | 4.94        | 0.97        | 3.02        | 0.48        | 3.16        | 0.49        | 15.5       | 20.5       | 29.8       | 208      | 46.7       | 25.4       | 1.5        | 3.3        |
| 11-MGB-282 | Soil                             | 37.8       | 6.25        | 1.28        | 5.27        | 0.82        | 4.57        | 0.92        | 2.50        | 0.38        | 2.71        | 0.38        | 0.5        | 11.2       | 12.8       | 82       | 14.8       | 3.3        | 0.4        | 0.2        |
| 11-MGB-276 | Soil                             | 40.0       | 6.36        | 1.13        | 4.58        | 0.68        | 3.64        | 0.70        | 1.94        | 0.31        | 2.05        | 0.31        | 0.6        | 9.7        | 14.2       | 95       | 17.4       | 15.8       | 0.8        | 0.9        |
| 11-MGB-274 | Soil                             | 39.3       | 6.85        | 1.17        | 5.90        | 0.90        | 4.97        | 0.96        | 2.95        | 0.47        | 3.01        | 0.45        | 0.9        | 11.8       | 24.2       | 112      | 19.1       | 32.7       | 0.9        | 0.9        |
| 11-MGB-272 | Soil                             | 37.9       | 7.00        | 1.35        | 5.87        | 0.94        | 5.08        | 1.05        | 2.87        | 0.48        | 3.06        | 0.45        | 1.0        | 17.0       | 41.3       | 114      | 18.9       | 26.8       | 0.8        | 0.9        |
| 11-MGB-277 | Soil                             | 31.9       | 5.42        | 1.01        | 4.08        | 0.63        | 3.46        | 0.69        | 1.98        | 0.31        | 1.99        | 0.31        | 0.7        | 8.0        | 14.3       | 91       | 15.3       | 11.6       | 0.5        | 0.7        |
| 11-MGB-283 | Soil                             | 36.1       | 6.57        | 1.33        | 5.44        | 0.91        | 4.91        | 1.02        | 2.91        | 0.43        | 2.84        | 0.42        | 0.3        | 13.9       | 7.0        | 60       | 21.0       | 1.9        | 0.3        | <0.1       |
| 11-JAM-303 | Soil                             | 38.3       | 5.68        | 1.30        | 4.86        | 0.71        | 4.19        | 0.86        | 2.74        | 0.41        | 2.74        | 0.43        | 18.8       | 23.4       | 41.3       | 242      | 49.8       | 28.1       | 1.7        | 2.6        |
| 11-JAM-310 | Soil                             | 26.9       | 4.45        | 0.81        | 3.42        | 0.57        | 3.09        | 0.67        | 1.98        | 0.32        | 2.23        | 0.38        | 30.7       | 14.4       | 17.9       | 88       | 18.4       | 14.1       | 0.2        | 1.7        |
| 11-JAM-279 | Soil                             | 44.6       | 7.64        | 1.51        | 6.43        | 1.00        | 5.57        | 1.17        | 3.59        | 0.56        | 3.76        | 0.58        | 10.6       | 32.1       | 29.7       | 311      | 51.1       | 25.5       | 2.8        | 2.9        |
| 11-JAM-311 | Soil                             | 30.6       | 4.85        | 0.92        | 3.96        | 0.63        | 3.80        | 0.70        | 2.30        | 0.36        | 2.63        | 0.40        | 28.0       | 16.5       | 22.1       | 92       | 19.7       | 14.4       | 0.3        | 1.7        |
| 11-JAM-281 | Soil                             | 33.4       | 5.56        | 0.94        | 4.08        | 0.66        | 3.78        | 0.78        | 2.37        | 0.40        | 2.39        | 0.41        | 13.1       | 8.2        | 21.7       | 215      | 41.9       | 16.4       | 1.6        | 0.9        |
| 11-JAM-260 | Soil                             | 47.9       | 6.67        | 1.42        | 4.37        | 0.72        | 4.26        | 0.86        | 2.57        | 0.48        | 3.56        | 0.56        | 21.9       | 5.5        | 96.1       | 419      | 12.7       | 15.9       | 1.0        | 1.1        |
| 11-JAM-287 | Soil                             | 39.4       | 5.80        | 0.97        | 3.91        | 0.63        | 3.50        | 0.77        | 2.31        | 0.42        | 2.60        | 0.40        | 39.4       | 11.0       | 22.9       | 191      | 49.7       | 31.5       | 1.1        | 2.3        |
| 11-JAM-304 | Soil                             | 34.7       | 5.42        | 1.03        | 4.07        | 0.68        | 3.53        | 0.81        | 2.52        | 0.40        | 2.50        | 0.41        | 14.6       | 17.2       | 30.2       | 155      | 32.3       | 22.6       | 0.9        | 2.0        |
| 11-JAM-284 | Soil                             | 39.8       | 5.38        | 0.93        | 3.69        | 0.63        | 3.82        | 0.79        | 2.33        | 0.44        | 2.75        | 0.44        | 15.5       | 7.4        | 16.8       | 178      | 19.3       | 13.7       | 1.9        | 4.0        |
| 11-JAM-258 | Soil                             | 41.9       | 6.59        | 1.22        | 5.07        | 0.82        | 4.74        | 1.02        | 3.06        | 0.50        | 3.06        | 0.52        | 5.5        | 12.3       | 78.1       | 178      | 27.4       | 25.3       | 1.2        | 1.8        |
| 11-JAM-288 | Soil                             | 42.4       | 6.65        | 1.14        | 4.93        | 0.77        | 4.13        | 0.91        | 2.66        | 0.41        | 2.84        | 0.42        | 10.6       | 11.3       | 28.7       | 88       | 17.3       | 12.6       | 1.1        | 0.7        |



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**Project:** TING PROP C

**Report Date:** August 31, 2011

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## CERTIFICATE OF ANALYSIS

VAN11003254.1

|            | Method<br>Analyte<br>Unit<br>MDL | 1DX  | 1DX  | 1DX   | 1DX | 1DX  |
|------------|----------------------------------|------|------|-------|-----|------|
|            |                                  | Ag   | Au   | Hg    | Tl  | Se   |
|            |                                  | ppm  | ppb  | ppm   | ppm | ppm  |
|            |                                  | 0.1  | 0.5  | 0.01  | 0.1 | 0.5  |
| 11-JAM-308 | Soil                             | 0.7  | 2.3  | 0.11  | 0.4 | 3.0  |
| 11-JAM-316 | Soil                             | 0.3  | 1.9  | 0.10  | 1.0 | 2.1  |
| 11-JAM-312 | Soil                             | <0.1 | <0.5 | 0.03  | 0.5 | 3.3  |
| 11-JAM-322 | Soil                             | <0.1 | 0.5  | 0.08  | 0.4 | 5.4  |
| 11-JAM-302 | Soil                             | 0.7  | 1.2  | 0.16  | 1.3 | 3.4  |
| 11-JAM-320 | Soil                             | <0.1 | <0.5 | <0.01 | 0.5 | 0.9  |
| 11-JAM-321 | Soil                             | <0.1 | 3.1  | 0.04  | 0.4 | 4.0  |
| 11-JAM-301 | Soil                             | 0.7  | 4.0  | 0.13  | 1.0 | 2.2  |
| 11-JAM-319 | Soil                             | <0.1 | 1.8  | 0.04  | 0.5 | 2.2  |
| 11-JAM-323 | Soil                             | <0.1 | 2.1  | 0.19  | 0.5 | 10.4 |
| 11-JAM-313 | Soil                             | <0.1 | <0.5 | 0.06  | 1.0 | 2.1  |
| 11-JAM-295 | Soil                             | 0.3  | 1.2  | 0.05  | 0.4 | 1.9  |
| 11-JAM-306 | Soil                             | 0.5  | 0.7  | 0.11  | 0.9 | 2.3  |
| 11-MGB-282 | Soil                             | <0.1 | 0.7  | 0.04  | 0.3 | <0.5 |
| 11-MGB-276 | Soil                             | <0.1 | 1.7  | 0.06  | 0.2 | <0.5 |
| 11-MGB-274 | Soil                             | <0.1 | 0.6  | 0.06  | 0.2 | <0.5 |
| 11-MGB-272 | Soil                             | 0.1  | 2.1  | 0.08  | 0.2 | 0.8  |
| 11-MGB-277 | Soil                             | <0.1 | 1.1  | 0.05  | 0.1 | <0.5 |
| 11-MGB-283 | Soil                             | <0.1 | 1.4  | 0.02  | 0.3 | <0.5 |
| 11-JAM-303 | Soil                             | 0.7  | 2.0  | 0.15  | 0.9 | 2.6  |
| 11-JAM-310 | Soil                             | <0.1 | 1.1  | 0.06  | 0.5 | 3.7  |
| 11-JAM-279 | Soil                             | 0.5  | 2.3  | 0.10  | 0.3 | 1.6  |
| 11-JAM-311 | Soil                             | <0.1 | 0.6  | 0.07  | 0.5 | 3.8  |
| 11-JAM-281 | Soil                             | 0.3  | 0.9  | 0.02  | 0.2 | <0.5 |
| 11-JAM-260 | Soil                             | 0.2  | 0.7  | 0.02  | 0.8 | 0.7  |
| 11-JAM-287 | Soil                             | <0.1 | 1.7  | 0.01  | 0.4 | 1.0  |
| 11-JAM-304 | Soil                             | 0.3  | 2.3  | 0.08  | 0.6 | 2.0  |
| 11-JAM-284 | Soil                             | <0.1 | 1.6  | 0.01  | 0.3 | 1.3  |
| 11-JAM-258 | Soil                             | 0.3  | 2.1  | 0.07  | 0.4 | 1.1  |
| 11-JAM-288 | Soil                             | 0.3  | 2.3  | 0.02  | 0.3 | <0.5 |



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Project: TING PROP C

Report Date: August 31, 2011

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## CERTIFICATE OF ANALYSIS

**VAN11003254.1**

|             | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B  | 4B   | 4B   | 4B   | 4B   | 4B    | 4B    | 4B  | 4B    | 4B   | 4B   | 4B   | 4B  | 4B   | 4B    | 4B   | 4B    |
|-------------|----------------------------------|------|-----|------|------|------|------|-------|-------|-----|-------|------|------|------|-----|------|-------|------|-------|
|             |                                  | Ba   | Be  | Co   | Cs   | Ga   | Hf   | Nb    | Rb    | Sn  | Sr    | Ta   | Th   | U    | V   | W    | Zr    | Y    | La    |
|             |                                  | ppm  | ppm | ppm  | ppm  | ppm  | ppm  | ppm   | ppm   | ppm | ppm   | ppm  | ppm  | ppm  | ppm | ppm  | ppm   | ppm  | ppm   |
|             |                                  | 1    | 1   | 0.2  | 0.1  | 0.5  | 0.1  | 0.1   | 0.1   | 1   | 0.5   | 0.1  | 0.2  | 0.1  | 8   | 0.5  | 0.1   | 0.1  | 0.1   |
| 11-JAM-283  | Soil                             | 2410 | 9   | 4.6  | 7.4  | 20.3 | 11.7 | 145.5 | 176.6 | 4   | 134.7 | 6.6  | 22.6 | 9.8  | 250 | 26.2 | 537.1 | 22.6 | 68.0  |
| 11-JAM-261  | Soil                             | 858  | 4   | 6.3  | 7.7  | 14.0 | 10.3 | 43.0  | 110.0 | 3   | 110.6 | 2.2  | 17.1 | 4.0  | 145 | 4.7  | 403.0 | 21.0 | 50.6  |
| 11-JAM-296  | Soil                             | 2742 | 10  | 5.3  | 9.5  | 17.2 | 11.7 | 127.2 | 228.7 | 4   | 131.5 | 5.3  | 31.0 | 10.4 | 568 | 29.8 | 599.9 | 32.4 | 109.0 |
| 11-JAM-297  | Soil                             | 2150 | 6   | 6.8  | 7.1  | 14.4 | 6.8  | 50.5  | 128.5 | 2   | 123.6 | 2.4  | 22.0 | 9.2  | 503 | 5.3  | 276.0 | 31.8 | 62.8  |
| 11-JAM-293  | Soil                             | 2377 | 11  | 3.8  | 13.1 | 19.3 | 10.5 | 141.5 | 186.5 | 4   | 125.9 | 6.6  | 34.2 | 8.2  | 312 | 36.9 | 501.5 | 25.4 | 109.2 |
| 11-JAM-286  | Soil                             | 2315 | 10  | 2.1  | 11.6 | 21.9 | 15.3 | 189.2 | 209.6 | 4   | 154.4 | 9.8  | 29.9 | 10.0 | 136 | 26.0 | 720.2 | 25.7 | 88.5  |
| 11-JAM-290  | Soil                             | 2154 | 8   | 4.1  | 9.0  | 25.2 | 14.4 | 221.1 | 221.8 | 4   | 123.6 | 10.8 | 43.9 | 10.7 | 173 | 20.4 | 695.5 | 21.2 | 97.7  |
| 11-JAM-285  | Soil                             | 1582 | 6   | 4.0  | 8.9  | 16.3 | 11.6 | 108.1 | 164.6 | 4   | 124.1 | 5.1  | 22.0 | 7.0  | 201 | 16.5 | 596.1 | 25.9 | 66.4  |
| 11-JAM-292  | Soil                             | 1545 | 10  | 4.0  | 8.7  | 15.0 | 8.1  | 74.9  | 105.5 | 3   | 129.7 | 3.3  | 34.0 | 9.2  | 387 | 13.6 | 349.0 | 27.8 | 115.3 |
| 11-JAM-280  | Soil                             | 2912 | 10  | 4.4  | 4.4  | 19.6 | 12.3 | 128.5 | 200.5 | 4   | 159.0 | 5.8  | 17.6 | 8.8  | 299 | 23.8 | 612.9 | 24.5 | 68.5  |
| 11-JAM-298  | Soil                             | 4343 | 5   | 5.4  | 3.4  | 10.3 | 1.6  | 11.2  | 70.8  | 2   | 55.1  | 0.5  | 6.5  | 7.3  | 760 | 9.1  | 66.3  | 41.8 | 43.4  |
| 11-JAM-294  | Soil                             | 3443 | 16  | 4.7  | 6.6  | 15.6 | 12.2 | 150.1 | 154.2 | 4   | 126.6 | 7.2  | 60.4 | 19.9 | 708 | 35.6 | 695.2 | 68.1 | 203.1 |
| 11-JAM-289  | Soil                             | 2301 | 6   | 4.7  | 9.0  | 22.7 | 13.2 | 189.1 | 213.3 | 4   | 120.9 | 9.0  | 45.1 | 11.7 | 228 | 29.9 | 683.5 | 23.1 | 85.9  |
| 11-JAM-277  | Soil                             | 2178 | 3   | 4.8  | 4.7  | 14.4 | 9.5  | 63.5  | 134.3 | 3   | 128.7 | 3.5  | 17.8 | 7.4  | 287 | 9.0  | 390.4 | 28.3 | 56.0  |
| 11-JAM-309  | Soil                             | 6669 | 3   | 9.4  | 5.3  | 12.3 | 5.0  | 43.5  | 96.3  | 2   | 132.4 | 2.1  | 17.2 | 9.9  | 541 | 6.2  | 217.5 | 31.3 | 49.4  |
| 11-JAM-307  | Soil                             | 2924 | 2   | 7.3  | 6.2  | 14.7 | 7.4  | 40.5  | 104.6 | 2   | 151.9 | 2.2  | 17.9 | 8.8  | 387 | 3.8  | 288.9 | 33.2 | 54.6  |
| 11-JAM-300  | Soil                             | 3560 | 3   | 4.1  | 6.1  | 13.4 | 7.9  | 82.1  | 131.3 | 2   | 125.9 | 4.5  | 21.0 | 8.6  | 424 | 7.5  | 353.7 | 27.9 | 62.4  |
| 11-JAM-299  | Soil                             | 2868 | 2   | 4.4  | 5.7  | 13.5 | 7.0  | 68.1  | 122.3 | 2   | 110.4 | 3.6  | 18.1 | 7.6  | 372 | 5.9  | 304.4 | 24.5 | 50.0  |
| 11-JAM-278  | Soil                             | 1693 | 2   | 5.5  | 6.0  | 14.8 | 9.7  | 41.9  | 104.4 | 3   | 130.9 | 2.4  | 16.5 | 5.4  | 224 | 14.6 | 364.4 | 23.2 | 43.8  |
| 11-JAM-291  | Soil                             | 1547 | 5   | 2.5  | 10.4 | 17.0 | 11.9 | 133.8 | 169.6 | 3   | 106.7 | 6.4  | 23.7 | 8.7  | 155 | 20.7 | 562.7 | 20.5 | 60.5  |
| 11-JAM-317  | Soil                             | 1218 | 5   | 2.0  | 8.0  | 17.1 | 13.7 | 188.6 | 255.3 | 3   | 85.3  | 8.4  | 28.8 | 10.1 | 243 | 3.1  | 637.8 | 33.6 | 60.0  |
| 11-JAM-276  | Soil                             | 5082 | 2   | 7.3  | 7.6  | 17.0 | 10.8 | 55.1  | 175.2 | 3   | 132.0 | 3.0  | 14.1 | 6.0  | 376 | 42.4 | 433.9 | 28.6 | 40.6  |
| 11-JAM-314  | Soil                             | 813  | 5   | 2.9  | 14.2 | 20.0 | 12.5 | 164.5 | 276.1 | 3   | 95.2  | 7.1  | 25.7 | 4.8  | 148 | 2.0  | 512.0 | 21.3 | 49.1  |
| 11-JAM-315  | Soil                             | 2118 | 2   | 4.6  | 4.5  | 10.2 | 8.6  | 40.6  | 126.3 | 2   | 77.0  | 2.0  | 11.1 | 4.3  | 256 | 1.6  | 299.6 | 20.9 | 34.0  |
| 11-JAM-318  | Soil                             | 983  | 4   | 4.6  | 6.9  | 15.5 | 13.7 | 144.4 | 209.1 | 3   | 71.6  | 6.1  | 26.2 | 7.1  | 302 | 1.7  | 597.4 | 26.2 | 45.1  |
| 11-AAB-0273 | Soil                             | 490  | 1   | 10.5 | 5.1  | 12.9 | 7.9  | 11.7  | 67.6  | 2   | 79.3  | 0.8  | 9.9  | 2.7  | 129 | 1.4  | 280.7 | 20.8 | 28.8  |
| 11-AAB-0288 | Soil                             | 117  | <1  | 3.2  | 1.2  | 2.9  | 12.1 | 3.2   | 20.2  | <1  | 25.5  | 0.2  | 3.1  | 1.8  | 32  | <0.5 | 427.3 | 9.9  | 8.9   |
| 11-AAB-0270 | Soil                             | 746  | 1   | 10.0 | 4.0  | 11.0 | 7.1  | 10.4  | 65.5  | 1   | 82.3  | 0.7  | 8.6  | 3.0  | 148 | 1.1  | 270.8 | 19.6 | 25.1  |
| 11-AAB-0283 | Soil                             | 413  | 2   | 8.7  | 5.5  | 13.3 | 5.6  | 11.3  | 72.3  | 2   | 81.2  | 0.7  | 9.5  | 2.7  | 130 | 1.2  | 181.9 | 17.7 | 26.5  |
| 11-AAB-0269 | Soil                             | 475  | 2   | 13.0 | 3.8  | 14.6 | 11.7 | 11.5  | 47.4  | 2   | 88.6  | 0.7  | 11.9 | 3.3  | 174 | 1.5  | 420.2 | 27.2 | 33.3  |



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Project: TING PROP C

Report Date: August 31, 2011

Page: 4 of 9 Part 2

## CERTIFICATE OF ANALYSIS

**VAN11003254.1**

|             | Method<br>Analyte<br>Unit<br>MDL | 4B         | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 1DX         | 1DX        | 1DX        | 1DX        | 1DX      | 1DX        | 1DX        | 1DX        |
|-------------|----------------------------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|------------|----------|------------|------------|------------|
|             |                                  | Nd         | Sm          | Eu          | Gd          | Tb          | Dy          | Ho          | Er          | Tm          | Yb          | Lu          | Mo         | Cu         | Pb         | Zn       | Ni         | As         | Cd         |
|             |                                  | ppm<br>0.3 | ppm<br>0.05 | ppm<br>0.02 | ppm<br>0.05 | ppm<br>0.01 | ppm<br>0.05 | ppm<br>0.02 | ppm<br>0.03 | ppm<br>0.01 | ppm<br>0.05 | ppm<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.1 |
| 11-JAM-283  | Soil                             | 31.5       | 4.83        | 0.98        | 3.91        | 0.61        | 3.57        | 0.72        | 2.16        | 0.41        | 2.45        | 0.39        | 20.5       | 11.2       | 32.7       | 659      | 54.4       | 21.2       | 2.9        |
| 11-JAM-261  | Soil                             | 29.5       | 4.95        | 0.97        | 4.07        | 0.63        | 3.28        | 0.77        | 2.29        | 0.38        | 2.36        | 0.38        | 35.3       | 8.6        | 91.5       | 167      | 18.2       | 17.3       | 0.9        |
| 11-JAM-296  | Soil                             | 48.3       | 7.12        | 1.23        | 5.70        | 0.87        | 4.93        | 1.03        | 3.06        | 0.52        | 3.41        | 0.56        | 11.0       | 18.5       | 27.8       | 552      | 47.0       | 45.8       | 7.4        |
| 11-JAM-297  | Soil                             | 34.4       | 5.55        | 1.06        | 4.65        | 0.75        | 4.47        | 0.98        | 2.99        | 0.47        | 2.98        | 0.47        | 11.5       | 28.8       | 31.2       | 581      | 74.2       | 28.3       | 11.9       |
| 11-JAM-293  | Soil                             | 47.0       | 6.41        | 1.10        | 4.50        | 0.71        | 4.03        | 0.83        | 2.38        | 0.42        | 2.76        | 0.41        | 25.7       | 12.0       | 21.3       | 108      | 41.8       | 39.8       | 0.7        |
| 11-JAM-286  | Soil                             | 41.9       | 5.90        | 0.95        | 4.16        | 0.68        | 3.92        | 0.86        | 2.62        | 0.45        | 3.02        | 0.47        | 9.9        | 6.8        | 30.2       | 103      | 13.6       | 12.2       | 3.3        |
| 11-JAM-290  | Soil                             | 37.9       | 5.40        | 0.71        | 3.53        | 0.58        | 3.48        | 0.71        | 2.26        | 0.39        | 2.47        | 0.43        | 14.8       | 13.9       | 34.0       | 112      | 37.2       | 27.8       | 0.4        |
| 11-JAM-285  | Soil                             | 36.2       | 5.44        | 0.91        | 3.83        | 0.65        | 3.64        | 0.79        | 2.42        | 0.42        | 2.53        | 0.40        | 52.2       | 7.7        | 32.3       | 228      | 21.1       | 18.7       | 2.0        |
| 11-JAM-292  | Soil                             | 47.4       | 6.69        | 0.98        | 4.73        | 0.78        | 4.27        | 0.86        | 2.47        | 0.43        | 2.60        | 0.39        | 13.9       | 21.4       | 33.5       | 69       | 31.0       | 46.2       | 1.3        |
| 11-JAM-280  | Soil                             | 31.5       | 4.80        | 0.91        | 3.72        | 0.61        | 3.72        | 0.73        | 2.28        | 0.37        | 2.31        | 0.37        | 9.9        | 8.8        | 25.0       | 347      | 42.4       | 14.7       | 2.2        |
| 11-JAM-298  | Soil                             | 28.6       | 5.06        | 1.00        | 4.73        | 0.71        | 4.18        | 0.96        | 2.77        | 0.42        | 2.60        | 0.40        | 26.8       | 47.9       | 137.5      | 980      | 334.4      | 98.3       | 3.8        |
| 11-JAM-294  | Soil                             | 100.5      | 14.78       | 2.21        | 10.67       | 1.75        | 10.21       | 2.05        | 6.24        | 1.00        | 6.37        | 0.98        | 6.1        | 20.4       | 37.4       | 814      | 60.9       | 53.7       | 11.8       |
| 11-JAM-289  | Soil                             | 38.1       | 5.45        | 0.86        | 4.04        | 0.63        | 3.75        | 0.79        | 2.38        | 0.39        | 2.81        | 0.45        | 25.6       | 12.1       | 34.2       | 150      | 44.7       | 30.6       | 0.6        |
| 11-JAM-277  | Soil                             | 36.0       | 5.59        | 1.11        | 4.69        | 0.78        | 4.51        | 0.92        | 2.73        | 0.41        | 2.81        | 0.44        | 11.7       | 16.5       | 26.7       | 166      | 29.5       | 20.0       | 1.3        |
| 11-JAM-309  | Soil                             | 29.9       | 5.15        | 1.00        | 4.67        | 0.76        | 4.49        | 0.90        | 2.74        | 0.40        | 2.66        | 0.43        | 8.5        | 28.9       | 99.4       | 627      | 124.1      | 52.4       | 7.1        |
| 11-JAM-307  | Soil                             | 37.6       | 6.77        | 1.38        | 5.78        | 0.93        | 5.38        | 1.06        | 3.22        | 0.49        | 3.06        | 0.49        | 13.0       | 23.6       | 27.1       | 276      | 56.8       | 24.1       | 3.4        |
| 11-JAM-300  | Soil                             | 36.8       | 5.56        | 1.05        | 4.53        | 0.72        | 4.43        | 0.92        | 2.66        | 0.41        | 2.77        | 0.43        | 21.5       | 25.1       | 33.8       | 276      | 55.3       | 26.6       | 2.1        |
| 11-JAM-299  | Soil                             | 28.7       | 4.52        | 0.91        | 3.71        | 0.62        | 3.84        | 0.76        | 2.33        | 0.35        | 2.47        | 0.38        | 25.6       | 22.2       | 33.1       | 255      | 58.2       | 27.7       | 1.2        |
| 11-JAM-278  | Soil                             | 30.8       | 5.28        | 0.99        | 4.13        | 0.70        | 4.23        | 0.87        | 2.55        | 0.40        | 2.71        | 0.42        | 7.1        | 8.6        | 20.6       | 167      | 22.0       | 11.5       | 3.2        |
| 11-JAM-291  | Soil                             | 29.4       | 4.30        | 0.72        | 3.29        | 0.55        | 3.45        | 0.73        | 2.30        | 0.37        | 2.53        | 0.41        | 32.5       | 8.2        | 20.9       | 82       | 21.8       | 16.2       | 0.4        |
| 11-JAM-317  | Soil                             | 29.9       | 5.07        | 0.96        | 4.50        | 0.75        | 4.76        | 1.07        | 3.43        | 0.57        | 4.13        | 0.68        | 17.2       | 10.0       | 39.1       | 148      | 52.1       | 16.6       | 0.8        |
| 11-JAM-276  | Soil                             | 31.4       | 5.47        | 0.82        | 4.76        | 0.78        | 4.39        | 0.94        | 2.78        | 0.43        | 2.73        | 0.43        | 4.0        | 26.2       | 19.2       | 263      | 78.0       | 9.5        | 3.1        |
| 11-JAM-314  | Soil                             | 27.9       | 4.44        | 0.78        | 3.59        | 0.60        | 3.56        | 0.77        | 2.43        | 0.41        | 2.85        | 0.45        | 6.4        | 4.5        | 22.2       | 117      | 11.4       | 4.9        | 0.4        |
| 11-JAM-315  | Soil                             | 23.7       | 4.08        | 0.73        | 3.43        | 0.58        | 3.58        | 0.77        | 2.45        | 0.36        | 2.28        | 0.37        | 11.9       | 6.8        | 12.2       | 185      | 25.9       | 12.5       | 0.5        |
| 11-JAM-318  | Soil                             | 28.8       | 4.72        | 0.81        | 3.74        | 0.66        | 4.29        | 0.89        | 2.95        | 0.48        | 3.45        | 0.55        | 24.8       | 16.8       | 32.9       | 199      | 24.7       | 18.3       | 0.4        |
| 11-AAB-0273 | Soil                             | 24.7       | 4.65        | 1.01        | 4.03        | 0.67        | 3.86        | 0.79        | 2.35        | 0.35        | 2.42        | 0.37        | 0.4        | 19.4       | 17.3       | 88       | 20.8       | 10.2       | <0.1       |
| 11-AAB-0288 | Soil                             | 8.1        | 1.52        | 0.35        | 1.31        | 0.24        | 1.52        | 0.34        | 1.08        | 0.18        | 1.24        | 0.23        | 0.5        | 4.0        | 4.0        | 25       | 10.6       | 4.8        | 0.2        |
| 11-AAB-0270 | Soil                             | 21.7       | 4.26        | 0.91        | 3.40        | 0.58        | 3.59        | 0.75        | 2.23        | 0.33        | 2.35        | 0.36        | 0.4        | 15.8       | 12.6       | 83       | 18.3       | 10.6       | 0.1        |
| 11-AAB-0283 | Soil                             | 23.3       | 4.23        | 0.90        | 3.42        | 0.58        | 3.46        | 0.70        | 2.02        | 0.31        | 1.98        | 0.30        | 0.5        | 20.5       | 16.6       | 79       | 18.2       | 10.2       | <0.1       |
| 11-AAB-0269 | Soil                             | 28.8       | 5.55        | 1.15        | 4.80        | 0.81        | 4.93        | 1.06        | 3.04        | 0.47        | 3.01        | 0.48        | 1.3        | 11.8       | 21.4       | 93       | 25.6       | 18.2       | 0.2        |



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**Project:** TING PROP C

**Report Date:** August 31, 2011

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## CERTIFICATE OF ANALYSIS

VAN11003254.1

|             | Method<br>Analyte<br>Unit<br>MDL | 1DX  | 1DX  | 1DX   | 1DX  | 1DX  |
|-------------|----------------------------------|------|------|-------|------|------|
|             |                                  | Ag   | Au   | Hg    | Tl   | Se   |
|             |                                  | ppm  | ppb  | ppm   | ppm  | ppm  |
|             |                                  | 0.1  | 0.5  | 0.01  | 0.1  | 0.5  |
| 11-JAM-283  | Soil                             | 0.4  | 0.9  | 0.01  | 0.2  | 0.6  |
| 11-JAM-261  | Soil                             | 0.3  | <0.5 | 0.02  | 0.5  | <0.5 |
| 11-JAM-296  | Soil                             | <0.1 | 2.0  | 0.18  | 0.4  | 1.4  |
| 11-JAM-297  | Soil                             | 0.3  | 2.2  | 0.06  | 0.4  | 2.3  |
| 11-JAM-293  | Soil                             | <0.1 | 2.5  | 0.01  | 0.4  | <0.5 |
| 11-JAM-286  | Soil                             | 0.2  | 1.0  | 0.03  | 0.2  | <0.5 |
| 11-JAM-290  | Soil                             | <0.1 | 2.6  | 0.03  | 0.3  | 0.8  |
| 11-JAM-285  | Soil                             | 0.2  | 1.6  | 0.01  | 0.3  | 0.5  |
| 11-JAM-292  | Soil                             | 0.6  | 2.7  | 0.04  | 0.3  | <0.5 |
| 11-JAM-280  | Soil                             | <0.1 | <0.5 | <0.01 | 0.2  | <0.5 |
| 11-JAM-298  | Soil                             | 1.0  | <0.5 | 0.03  | 0.3  | 4.9  |
| 11-JAM-294  | Soil                             | 0.2  | 2.4  | 0.03  | 0.3  | 1.4  |
| 11-JAM-289  | Soil                             | <0.1 | 5.3  | 0.02  | 0.4  | 1.1  |
| 11-JAM-277  | Soil                             | 0.2  | 2.0  | 0.05  | 0.4  | 1.8  |
| 11-JAM-309  | Soil                             | 0.6  | 2.3  | 0.15  | 0.5  | 3.0  |
| 11-JAM-307  | Soil                             | 0.5  | 2.4  | 0.17  | 0.6  | 1.9  |
| 11-JAM-300  | Soil                             | 0.4  | 2.7  | 0.08  | 0.9  | 2.1  |
| 11-JAM-299  | Soil                             | 0.3  | 2.3  | 0.06  | 0.8  | 2.9  |
| 11-JAM-278  | Soil                             | 0.2  | 0.8  | 0.01  | 0.3  | <0.5 |
| 11-JAM-291  | Soil                             | 0.1  | 2.0  | 0.01  | 0.3  | <0.5 |
| 11-JAM-317  | Soil                             | 0.2  | 1.7  | 0.02  | 0.8  | 1.2  |
| 11-JAM-276  | Soil                             | <0.1 | <0.5 | <0.01 | 0.3  | <0.5 |
| 11-JAM-314  | Soil                             | <0.1 | 0.7  | 0.03  | 0.6  | <0.5 |
| 11-JAM-315  | Soil                             | <0.1 | <0.5 | 0.02  | 0.8  | 1.0  |
| 11-JAM-318  | Soil                             | <0.1 | 0.6  | 0.06  | 0.8  | 2.8  |
| 11-AAB-0273 | Soil                             | <0.1 | 0.8  | 0.03  | <0.1 | 0.7  |
| 11-AAB-0288 | Soil                             | <0.1 | 0.8  | <0.01 | <0.1 | <0.5 |
| 11-AAB-0270 | Soil                             | 0.1  | 1.5  | 0.05  | <0.1 | 0.8  |
| 11-AAB-0283 | Soil                             | 0.1  | 1.1  | 0.04  | <0.1 | 0.6  |
| 11-AAB-0269 | Soil                             | 0.2  | <0.5 | 0.06  | <0.1 | 1.2  |



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Project: TING PROP C

Report Date: August 31, 2011

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## CERTIFICATE OF ANALYSIS

**VAN11003254.1**

|             | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B  | 4B   | 4B   | 4B   | 4B   | 4B    | 4B    | 4B  | 4B    | 4B  | 4B    | 4B   | 4B  | 4B   | 4B    | 4B   | 4B   |
|-------------|----------------------------------|------|-----|------|------|------|------|-------|-------|-----|-------|-----|-------|------|-----|------|-------|------|------|
|             |                                  | Ba   | Be  | Co   | Cs   | Ga   | Hf   | Nb    | Rb    | Sn  | Sr    | Ta  | Th    | U    | V   | W    | Zr    | Y    | La   |
|             |                                  | ppm  | ppm | ppm  | ppm  | ppm  | ppm  | ppm   | ppm   | ppm | ppm   | ppm | ppm   | ppm  | ppm | ppm  | ppm   | ppm  | ppm  |
|             |                                  | 1    | 1   | 0.2  | 0.1  | 0.5  | 0.1  | 0.1   | 0.1   | 1   | 0.5   | 0.1 | 0.2   | 0.1  | 8   | 0.5  | 0.1   | 0.1  | 0.1  |
| 11-AAB-0276 | Soil                             | 719  | 1   | 9.2  | 3.8  | 9.1  | 8.4  | 8.7   | 55.3  | 1   | 67.7  | 0.5 | 8.0   | 2.7  | 122 | 1.1  | 307.2 | 17.4 | 21.4 |
| 11-AAB-0299 | Soil                             | 1915 | 2   | 0.5  | 5.4  | 12.7 | 3.9  | 29.6  | 88.8  | 1   | 40.7  | 1.7 | 5.6   | 5.3  | 306 | 2.6  | 144.5 | 11.9 | 35.5 |
| 11-AAB-0305 | Soil                             | 1249 | 1   | 3.3  | 3.2  | 10.1 | 9.1  | 28.8  | 65.0  | 2   | 82.9  | 1.6 | 12.5  | 5.1  | 217 | 2.7  | 344.9 | 20.9 | 39.5 |
| 11-AAB-0302 | Soil                             | 1174 | <1  | 1.1  | 3.0  | 7.3  | 10.7 | 21.6  | 52.2  | 2   | 53.1  | 1.2 | 7.1   | 3.3  | 162 | 2.1  | 404.1 | 14.5 | 27.5 |
| 11-AAB-0301 | Soil                             | 1676 | <1  | 1.7  | 4.9  | 11.0 | 4.8  | 26.8  | 68.3  | 2   | 103.5 | 1.5 | 8.5   | 4.6  | 289 | 2.2  | 189.5 | 12.6 | 29.0 |
| 11-AAB-0303 | Soil                             | 1555 | 1   | 3.0  | 4.8  | 12.9 | 9.4  | 58.2  | 98.5  | 2   | 128.1 | 3.3 | 12.8  | 5.3  | 216 | 4.6  | 335.6 | 18.7 | 42.7 |
| 11-MGB-275  | Soil                             | 697  | 1   | 9.7  | 4.8  | 11.5 | 8.0  | 16.0  | 74.2  | 2   | 122.1 | 1.2 | 13.1  | 2.7  | 102 | 4.2  | 275.4 | 24.2 | 41.7 |
| 11-MGB-284  | Soil                             | 602  | 2   | 11.6 | 6.2  | 15.5 | 11.1 | 14.7  | 86.9  | 5   | 244.6 | 1.3 | 23.6  | 5.6  | 102 | 3.6  | 401.2 | 28.8 | 71.4 |
| 11-MGB-273  | Soil                             | 510  | 1   | 8.4  | 5.0  | 12.1 | 5.9  | 12.4  | 83.5  | 3   | 147.9 | 1.0 | 15.6  | 2.8  | 68  | 1.8  | 207.2 | 20.0 | 40.1 |
| 11-MGB-285  | Soil                             | 544  | 1   | 15.1 | 4.0  | 14.0 | 10.6 | 15.9  | 64.5  | 4   | 304.6 | 1.4 | 11.6  | 4.9  | 121 | 2.1  | 392.3 | 24.9 | 47.1 |
| 11-MGB-293  | Soil                             | 614  | 2   | 14.1 | 7.9  | 14.1 | 5.8  | 19.4  | 91.0  | 2   | 175.6 | 1.3 | 8.9   | 3.2  | 112 | 7.6  | 208.1 | 18.9 | 32.3 |
| 11-MGB-294  | Soil                             | 506  | 2   | 7.9  | 10.2 | 13.1 | 7.5  | 16.7  | 99.0  | 2   | 209.2 | 1.1 | 8.6   | 3.3  | 89  | 64.7 | 262.4 | 20.6 | 35.5 |
| 11-MGB-278  | Soil                             | 817  | 1   | 6.5  | 3.3  | 8.6  | 5.7  | 12.3  | 55.6  | 3   | 124.2 | 1.2 | 9.1   | 2.6  | 99  | 1.3  | 218.5 | 18.7 | 34.2 |
| 11-MGB-281  | Soil                             | 593  | 3   | 9.5  | 6.9  | 16.9 | 7.6  | 17.9  | 111.2 | 5   | 222.6 | 1.7 | 26.6  | 16.5 | 62  | 5.3  | 263.0 | 34.6 | 66.0 |
| 11-MGB-280  | Soil                             | 501  | 2   | 16.6 | 7.5  | 16.3 | 7.5  | 14.7  | 76.5  | 4   | 244.4 | 1.2 | 17.4  | 4.3  | 97  | 1.9  | 271.1 | 25.2 | 62.6 |
| 11-AAB-0255 | Soil                             | 502  | 2   | 12.4 | 3.7  | 12.9 | 7.4  | 11.3  | 44.5  | 2   | 126.3 | 0.7 | 9.8   | 3.2  | 146 | 1.2  | 259.5 | 22.4 | 30.5 |
| 11-AAB-0324 | Soil                             | 819  | 1   | 15.7 | 5.7  | 15.6 | 6.6  | 10.3  | 78.5  | 2   | 104.1 | 0.7 | 9.6   | 3.0  | 191 | 1.2  | 226.0 | 21.7 | 30.2 |
| 11-AAB-0311 | Soil                             | 470  | 1   | 8.4  | 3.2  | 9.3  | 8.8  | 7.9   | 46.5  | 1   | 72.9  | 0.6 | 7.3   | 2.4  | 121 | 0.9  | 298.8 | 16.2 | 22.7 |
| 11-AAB-0315 | Soil                             | 702  | 1   | 11.0 | 3.5  | 11.5 | 9.9  | 8.9   | 54.8  | 2   | 89.6  | 0.7 | 9.0   | 3.1  | 130 | 1.1  | 348.3 | 23.6 | 24.4 |
| 11-AAB-0314 | Soil                             | 300  | <1  | 8.4  | 2.1  | 6.5  | 11.9 | 6.8   | 38.2  | 1   | 50.0  | 0.4 | 5.8   | 2.6  | 80  | 0.7  | 451.7 | 16.7 | 16.5 |
| 11-AAB-0327 | Soil                             | 549  | 2   | 16.6 | 4.2  | 13.5 | 4.8  | 9.3   | 73.2  | 2   | 103.7 | 0.7 | 9.8   | 3.0  | 167 | 1.1  | 183.1 | 23.1 | 29.1 |
| 11-AAB-0322 | Soil                             | 942  | 1   | 22.6 | 6.0  | 15.9 | 5.0  | 10.3  | 97.1  | 2   | 112.8 | 0.7 | 10.6  | 3.3  | 205 | 1.3  | 173.6 | 24.1 | 31.4 |
| 11-AAB-0306 | Soil                             | 625  | 2   | 17.0 | 4.0  | 17.0 | 11.0 | 12.3  | 52.2  | 3   | 150.4 | 0.9 | 12.4  | 3.5  | 175 | 1.5  | 386.7 | 30.2 | 35.0 |
| 11-AAB-0328 | Soil                             | 437  | 1   | 14.5 | 2.9  | 10.0 | 8.7  | 7.4   | 49.1  | 2   | 71.2  | 0.5 | 7.8   | 2.4  | 117 | 0.8  | 304.2 | 19.8 | 21.9 |
| 11-AAB-0309 | Soil                             | 377  | 1   | 12.3 | 2.6  | 8.9  | 10.6 | 7.6   | 43.6  | 1   | 75.9  | 0.6 | 7.0   | 2.9  | 104 | 1.0  | 392.6 | 18.8 | 20.9 |
| 11-AAB-0308 | Soil                             | 558  | 1   | 13.6 | 3.9  | 11.0 | 6.5  | 9.1   | 60.0  | 2   | 80.6  | 0.6 | 8.7   | 2.6  | 134 | 1.0  | 227.8 | 22.3 | 24.1 |
| 11-AAB-0312 | Soil                             | 343  | <1  | 10.6 | 2.6  | 7.4  | 13.0 | 7.5   | 45.9  | 1   | 56.6  | 0.5 | 6.2   | 2.5  | 106 | 0.7  | 496.3 | 18.2 | 18.5 |
| 11-WJH-043  | Soil                             | 1205 | 8   | 8.9  | 6.6  | 14.6 | 7.3  | 32.8  | 101.6 | 2   | 190.5 | 1.5 | 152.3 | 7.0  | 593 | 24.2 | 292.8 | 32.9 | 67.7 |
| 11-JAM-238  | Soil                             | 1755 | 7   | 4.7  | 14.3 | 23.7 | 13.4 | 167.2 | 184.7 | 3   | 179.9 | 7.7 | 38.4  | 11.9 | 165 | 15.1 | 639.1 | 25.1 | 90.0 |
| 11-JAM-228  | Soil                             | 940  | 3   | 8.3  | 22.0 | 18.1 | 10.0 | 75.1  | 161.6 | 2   | 141.4 | 3.3 | 27.1  | 5.8  | 141 | 5.4  | 418.9 | 20.6 | 47.1 |



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Client: **Mackevoy Geosciences**

537 Kenneth Street  
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Project: TING PROP C

Report Date: August 31, 2011

Page: 5 of 9 Part 2

## CERTIFICATE OF ANALYSIS

**VAN11003254.1**

|             | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B    | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 1DX  | 1DX  | 1DX   | 1DX  | 1DX   | 1DX  | 1DX  | 1DX  |
|-------------|----------------------------------|------|-------|------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|------|------|------|
|             |                                  | Nd   | Sm    | Eu   | Gd   | Tb   | Dy   | Ho   | Er   | Tm   | Yb   | Lu   | Mo   | Cu   | Pb    | Zn   | Ni    | As   | Cd   | Sb   |
|             |                                  | ppm  | ppm   | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm  | ppm   | ppm  | ppm  | ppm  |
|             |                                  | 0.3  | 0.05  | 0.02 | 0.05 | 0.01 | 0.05 | 0.02 | 0.03 | 0.01 | 0.05 | 0.01 | 0.1  | 0.1  | 0.1   | 1    | 0.1   | 0.5  | 0.1  | 0.1  |
| 11-AAB-0276 | Soil                             | 18.1 | 3.44  | 0.77 | 3.03 | 0.55 | 3.33 | 0.69 | 2.07 | 0.30 | 2.18 | 0.34 | 0.9  | 16.0 | 14.2  | 99   | 23.2  | 15.0 | <0.1 | <0.1 |
| 11-AAB-0299 | Soil                             | 25.9 | 3.87  | 0.61 | 2.40 | 0.37 | 2.17 | 0.44 | 1.31 | 0.21 | 1.52 | 0.24 | 17.3 | 2.8  | 7.0   | 9    | 1.9   | 4.1  | <0.1 | 1.5  |
| 11-AAB-0305 | Soil                             | 27.4 | 4.61  | 0.88 | 3.73 | 0.64 | 3.86 | 0.82 | 2.45 | 0.37 | 2.47 | 0.39 | 10.1 | 11.6 | 18.4  | 88   | 18.6  | 17.0 | 0.3  | 1.4  |
| 11-AAB-0302 | Soil                             | 21.2 | 3.16  | 0.54 | 2.57 | 0.42 | 2.50 | 0.56 | 1.69 | 0.27 | 1.82 | 0.30 | 13.7 | 5.0  | 9.9   | 56   | 16.3  | 10.4 | <0.1 | 0.9  |
| 11-AAB-0301 | Soil                             | 20.1 | 3.02  | 0.56 | 2.25 | 0.37 | 2.18 | 0.48 | 1.45 | 0.23 | 1.62 | 0.26 | 16.9 | 11.6 | 16.5  | 73   | 15.1  | 19.1 | 0.4  | 1.8  |
| 11-AAB-0303 | Soil                             | 29.7 | 4.70  | 0.90 | 3.54 | 0.61 | 3.55 | 0.74 | 2.19 | 0.35 | 2.40 | 0.37 | 13.3 | 8.5  | 20.1  | 86   | 17.8  | 20.8 | 0.3  | 1.3  |
| 11-MGB-275  | Soil                             | 36.7 | 6.56  | 1.31 | 5.27 | 0.85 | 4.79 | 0.95 | 2.63 | 0.41 | 2.73 | 0.41 | 0.7  | 16.0 | 31.6  | 120  | 23.1  | 19.4 | 1.0  | 0.9  |
| 11-MGB-284  | Soil                             | 60.4 | 10.56 | 1.86 | 8.12 | 1.17 | 6.23 | 1.20 | 3.25 | 0.52 | 3.47 | 0.53 | 0.4  | 14.7 | 8.6   | 63   | 18.2  | 2.9  | 0.4  | 0.1  |
| 11-MGB-273  | Soil                             | 31.2 | 5.40  | 1.05 | 4.36 | 0.71 | 4.05 | 0.79 | 2.27 | 0.34 | 2.23 | 0.33 | 0.4  | 9.6  | 22.1  | 98   | 14.8  | 17.0 | 0.4  | 0.9  |
| 11-MGB-285  | Soil                             | 41.6 | 7.26  | 1.70 | 5.93 | 0.94 | 5.13 | 1.05 | 2.98 | 0.46 | 2.99 | 0.47 | 0.4  | 9.1  | 7.1   | 55   | 14.7  | 2.5  | 0.3  | <0.1 |
| 11-MGB-293  | Soil                             | 29.3 | 5.42  | 1.30 | 4.47 | 0.73 | 3.97 | 0.79 | 2.15 | 0.34 | 2.10 | 0.33 | 9.4  | 24.5 | 111.7 | 249  | 20.0  | 54.1 | 0.9  | 1.0  |
| 11-MGB-294  | Soil                             | 30.1 | 5.51  | 1.40 | 4.61 | 0.71 | 3.93 | 0.75 | 2.24 | 0.33 | 2.19 | 0.35 | 11.5 | 27.5 | 108.0 | 203  | 11.1  | 19.2 | 0.5  | 0.7  |
| 11-MGB-278  | Soil                             | 27.8 | 5.00  | 0.94 | 4.15 | 0.64 | 3.62 | 0.77 | 2.16 | 0.33 | 2.08 | 0.31 | 0.8  | 8.5  | 12.9  | 89   | 15.9  | 15.6 | 0.6  | 0.8  |
| 11-MGB-281  | Soil                             | 52.2 | 9.67  | 1.56 | 8.01 | 1.22 | 6.95 | 1.36 | 4.05 | 0.57 | 3.92 | 0.58 | 1.8  | 12.3 | 13.7  | 85   | 17.2  | 4.1  | 0.3  | <0.1 |
| 11-MGB-280  | Soil                             | 58.3 | 10.38 | 1.97 | 7.53 | 1.07 | 5.56 | 1.02 | 2.94 | 0.44 | 2.84 | 0.43 | 0.3  | 15.3 | 8.8   | 74   | 24.4  | 3.4  | 0.2  | <0.1 |
| 11-AAB-0255 | Soil                             | 27.2 | 5.12  | 1.08 | 4.42 | 0.73 | 4.31 | 0.84 | 2.63 | 0.39 | 2.68 | 0.40 | 1.3  | 12.5 | 17.7  | 89   | 30.0  | 14.5 | 0.5  | 0.2  |
| 11-AAB-0324 | Soil                             | 27.0 | 5.08  | 1.05 | 4.12 | 0.73 | 4.34 | 0.90 | 2.62 | 0.40 | 2.62 | 0.41 | 1.0  | 21.5 | 17.1  | 139  | 41.1  | 30.2 | 0.1  | 0.1  |
| 11-AAB-0311 | Soil                             | 19.6 | 3.78  | 0.78 | 3.51 | 0.55 | 3.31 | 0.67 | 2.00 | 0.31 | 1.99 | 0.32 | 0.5  | 13.6 | 12.1  | 82   | 22.6  | 12.4 | 0.2  | 0.1  |
| 11-AAB-0315 | Soil                             | 21.7 | 4.30  | 0.97 | 4.05 | 0.70 | 4.18 | 0.84 | 2.53 | 0.38 | 2.68 | 0.42 | 1.2  | 14.3 | 14.9  | 110  | 25.0  | 16.5 | 0.1  | 0.2  |
| 11-AAB-0314 | Soil                             | 14.5 | 2.83  | 0.67 | 2.69 | 0.47 | 2.84 | 0.63 | 1.92 | 0.27 | 1.99 | 0.32 | 0.6  | 10.5 | 9.8   | 85   | 23.8  | 10.3 | 0.4  | 0.1  |
| 11-AAB-0327 | Soil                             | 26.5 | 5.22  | 1.08 | 4.42 | 0.70 | 4.09 | 0.82 | 2.45 | 0.35 | 2.44 | 0.38 | 1.0  | 18.9 | 16.0  | 116  | 33.1  | 21.8 | 0.2  | 0.2  |
| 11-AAB-0322 | Soil                             | 27.9 | 5.41  | 1.21 | 4.62 | 0.77 | 4.55 | 0.90 | 2.67 | 0.40 | 2.71 | 0.41 | 1.4  | 23.7 | 21.1  | 146  | 45.3  | 24.5 | 0.2  | 0.2  |
| 11-AAB-0306 | Soil                             | 33.2 | 5.86  | 1.25 | 5.43 | 0.88 | 5.34 | 1.12 | 3.22 | 0.46 | 3.33 | 0.51 | 1.0  | 12.6 | 17.8  | 111  | 36.3  | 19.1 | 0.3  | <0.1 |
| 11-AAB-0328 | Soil                             | 20.3 | 4.01  | 0.91 | 3.81 | 0.60 | 3.58 | 0.73 | 2.11 | 0.31 | 2.14 | 0.34 | 1.0  | 15.6 | 15.7  | 115  | 31.8  | 22.8 | 0.3  | 0.2  |
| 11-AAB-0309 | Soil                             | 19.4 | 3.78  | 0.83 | 3.44 | 0.55 | 3.42 | 0.69 | 2.02 | 0.29 | 2.07 | 0.35 | 1.0  | 12.2 | 15.1  | 88   | 22.3  | 16.0 | 0.3  | 0.2  |
| 11-AAB-0308 | Soil                             | 21.8 | 4.04  | 0.90 | 3.90 | 0.66 | 4.06 | 0.83 | 2.37 | 0.34 | 2.37 | 0.37 | 0.9  | 16.9 | 14.7  | 95   | 24.8  | 15.1 | 0.2  | 0.1  |
| 11-AAB-0312 | Soil                             | 17.4 | 3.33  | 0.75 | 3.10 | 0.52 | 3.13 | 0.65 | 2.01 | 0.30 | 2.18 | 0.35 | 0.7  | 13.1 | 11.3  | 117  | 27.9  | 9.8  | 0.5  | 0.1  |
| 11-WJH-043  | Soil                             | 32.0 | 5.34  | 1.21 | 4.96 | 0.79 | 5.04 | 1.03 | 3.13 | 0.46 | 3.11 | 0.48 | 4.0  | 21.3 | 97.8  | 2019 | 120.3 | 48.8 | 22.7 | 2.3  |
| 11-JAM-238  | Soil                             | 37.3 | 5.35  | 1.06 | 4.47 | 0.69 | 4.14 | 0.88 | 2.67 | 0.44 | 3.19 | 0.49 | 12.4 | 9.5  | 68.7  | 171  | 24.0  | 16.1 | 1.5  | 1.5  |
| 11-JAM-228  | Soil                             | 30.8 | 4.68  | 0.93 | 3.67 | 0.59 | 3.58 | 0.77 | 2.18 | 0.34 | 2.54 | 0.39 | 50.2 | 10.6 | 62.2  | 167  | 15.6  | 8.3  | 0.9  | 1.1  |



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**Project:** TING PROP C  
**Report Date:** August 31, 2011

**Page:** 5 of 9 **Part** 3

## CERTIFICATE OF ANALYSIS

VAN11003254.1

|             | Method<br>Analyte<br>Unit<br>MDL | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  |
|-------------|----------------------------------|------|------|------|------|------|
|             |                                  | Ag   | Au   | Hg   | Tl   | Se   |
|             |                                  | ppm  | ppb  | ppm  | ppm  | ppm  |
|             |                                  | 0.1  | 0.5  | 0.01 | 0.1  | 0.5  |
| 11-AAB-0276 | Soil                             | 0.2  | <0.5 | 0.07 | <0.1 | 1.0  |
| 11-AAB-0299 | Soil                             | 2.1  | 1.7  | 0.06 | 2.0  | <0.5 |
| 11-AAB-0305 | Soil                             | 0.1  | 2.0  | 0.04 | 0.4  | 1.1  |
| 11-AAB-0302 | Soil                             | 0.1  | <0.5 | 0.02 | 0.4  | 0.6  |
| 11-AAB-0301 | Soil                             | 0.3  | 1.2  | 0.02 | 0.7  | 2.1  |
| 11-AAB-0303 | Soil                             | 0.1  | <0.5 | 0.02 | 0.4  | 0.8  |
| 11-MGB-275  | Soil                             | 0.2  | 2.3  | 0.08 | 0.2  | 0.5  |
| 11-MGB-284  | Soil                             | <0.1 | 1.2  | 0.03 | 0.2  | <0.5 |
| 11-MGB-273  | Soil                             | <0.1 | 2.3  | 0.04 | 0.1  | <0.5 |
| 11-MGB-285  | Soil                             | <0.1 | 1.2  | 0.02 | 0.2  | 0.6  |
| 11-MGB-293  | Soil                             | 0.3  | 2.9  | 0.05 | 0.8  | 0.6  |
| 11-MGB-294  | Soil                             | 0.3  | 2.3  | 0.02 | 0.3  | 0.6  |
| 11-MGB-278  | Soil                             | <0.1 | <0.5 | 0.04 | 0.1  | <0.5 |
| 11-MGB-281  | Soil                             | <0.1 | 1.4  | 0.02 | 0.3  | <0.5 |
| 11-MGB-280  | Soil                             | <0.1 | 1.1  | 0.02 | 0.2  | <0.5 |
| 11-AAB-0255 | Soil                             | 0.2  | <0.5 | 0.04 | <0.1 | 1.4  |
| 11-AAB-0324 | Soil                             | 0.2  | <0.5 | 0.08 | <0.1 | 1.2  |
| 11-AAB-0311 | Soil                             | 0.1  | 0.6  | 0.05 | <0.1 | 0.9  |
| 11-AAB-0315 | Soil                             | 0.1  | 1.9  | 0.06 | <0.1 | 1.2  |
| 11-AAB-0314 | Soil                             | 0.1  | 0.9  | 0.07 | <0.1 | 0.9  |
| 11-AAB-0327 | Soil                             | 0.2  | 0.7  | 0.07 | <0.1 | 1.1  |
| 11-AAB-0322 | Soil                             | 0.1  | 0.9  | 0.06 | <0.1 | 1.6  |
| 11-AAB-0306 | Soil                             | 0.2  | <0.5 | 0.06 | <0.1 | 1.4  |
| 11-AAB-0328 | Soil                             | 0.2  | 1.0  | 0.07 | <0.1 | 0.6  |
| 11-AAB-0309 | Soil                             | 0.2  | <0.5 | 0.05 | <0.1 | 0.9  |
| 11-AAB-0308 | Soil                             | 0.2  | 1.5  | 0.06 | <0.1 | 0.9  |
| 11-AAB-0312 | Soil                             | <0.1 | <0.5 | 0.05 | <0.1 | 0.5  |
| 11-WJH-043  | Soil                             | 0.3  | <0.5 | 0.04 | 0.6  | 0.6  |
| 11-JAM-238  | Soil                             | 0.3  | 1.8  | 0.04 | 0.6  | 0.8  |
| 11-JAM-228  | Soil                             | 0.4  | 1.1  | 0.03 | 0.4  | 0.6  |



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Project: TING PROP C

Report Date: August 31, 2011

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## CERTIFICATE OF ANALYSIS

**VAN11003254.1**

|            | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B  | 4B   | 4B   | 4B   | 4B   | 4B    | 4B    | 4B  | 4B    | 4B  | 4B   | 4B   | 4B  | 4B   | 4B    | 4B   | 4B    |
|------------|----------------------------------|------|-----|------|------|------|------|-------|-------|-----|-------|-----|------|------|-----|------|-------|------|-------|
|            |                                  | Ba   | Be  | Co   | Cs   | Ga   | Hf   | Nb    | Rb    | Sn  | Sr    | Ta  | Th   | U    | V   | W    | Zr    | Y    | La    |
|            |                                  | ppm  | ppm | ppm  | ppm  | ppm  | ppm  | ppm   | ppm   | ppm | ppm   | ppm | ppm  | ppm  | ppm | ppm  | ppm   | ppm  | ppm   |
|            |                                  | 1    | 1   | 0.2  | 0.1  | 0.5  | 0.1  | 0.1   | 0.1   | 1   | 0.5   | 0.1 | 0.2  | 0.1  | 8   | 0.5  | 0.1   | 0.1  | 0.1   |
| 11-JAM-272 | Soil                             | 4488 | 3   | 22.6 | 9.8  | 17.7 | 4.8  | 17.0  | 111.6 | 3   | 94.7  | 1.0 | 12.5 | 33.6 | 622 | 2.2  | 190.0 | 47.2 | 41.7  |
| 11-JAM-227 | Soil                             | 2316 | 3   | 6.0  | 8.7  | 13.7 | 7.9  | 60.2  | 118.9 | 2   | 111.4 | 2.9 | 24.0 | 9.0  | 438 | 4.4  | 339.4 | 26.1 | 65.6  |
| 11-JAM-259 | Soil                             | 2031 | 4   | 5.3  | 17.5 | 17.1 | 10.4 | 84.6  | 171.4 | 3   | 106.4 | 3.7 | 40.6 | 9.0  | 385 | 8.4  | 427.5 | 25.0 | 69.5  |
| 11-JAM-206 | Soil                             | 1631 | 7   | 8.2  | 9.6  | 19.3 | 12.3 | 135.8 | 155.9 | 3   | 104.2 | 6.1 | 48.5 | 8.8  | 232 | 9.2  | 536.8 | 25.8 | 97.8  |
| 11-JAM-222 | Soil                             | 2624 | 4   | 5.9  | 9.0  | 15.8 | 8.5  | 41.6  | 140.0 | 4   | 137.8 | 2.3 | 25.2 | 8.9  | 306 | 4.7  | 327.0 | 39.3 | 102.0 |
| 11-JAM-242 | Soil                             | 3414 | 9   | 3.4  | 23.9 | 20.9 | 17.3 | 165.7 | 223.3 | 4   | 141.4 | 7.6 | 79.0 | 12.3 | 288 | 19.8 | 817.6 | 26.6 | 86.2  |
| 11-JAM-204 | Soil                             | 897  | 22  | 10.0 | 15.9 | 16.7 | 11.8 | 123.9 | 138.8 | 3   | 42.9  | 4.4 | 48.5 | 7.7  | 150 | 8.5  | 560.5 | 42.1 | 100.3 |
| 11-JAM-343 | Soil                             | 1061 | 1   | 1.8  | 3.1  | 9.2  | 5.8  | 14.0  | 61.8  | 1   | 59.7  | 1.0 | 6.5  | 6.7  | 356 | 1.9  | 202.7 | 15.0 | 29.3  |
| 11-JAM-326 | Soil                             | 883  | 1   | 1.5  | 4.0  | 12.9 | 8.9  | 40.3  | 89.7  | 2   | 73.6  | 2.0 | 10.3 | 6.7  | 286 | 2.4  | 319.6 | 19.0 | 40.8  |
| 11-JAM-335 | Soil                             | 1207 | 1   | 1.2  | 3.2  | 8.0  | 4.1  | 11.6  | 65.6  | 2   | 44.9  | 0.8 | 5.0  | 8.4  | 627 | 1.8  | 154.4 | 19.0 | 24.0  |
| 11-JAM-253 | Soil                             | 1848 | 4   | 4.4  | 10.3 | 17.4 | 12.2 | 117.1 | 194.6 | 3   | 171.5 | 5.9 | 31.3 | 8.4  | 213 | 8.1  | 575.1 | 25.5 | 69.1  |
| 11-JAM-243 | Soil                             | 1686 | 5   | 7.1  | 13.8 | 17.2 | 13.5 | 94.3  | 166.4 | 3   | 154.9 | 5.0 | 35.3 | 9.0  | 212 | 6.6  | 569.9 | 29.2 | 84.2  |
| 11-JAM-217 | Soil                             | 1733 | 2   | 3.6  | 4.3  | 12.8 | 8.3  | 47.1  | 136.2 | 2   | 115.4 | 2.8 | 14.7 | 6.1  | 279 | 4.5  | 346.8 | 23.1 | 46.0  |
| 11-JAM-328 | Soil                             | 1156 | 2   | 0.9  | 2.6  | 6.9  | 4.3  | 11.1  | 41.1  | 1   | 47.6  | 0.8 | 4.9  | 10.5 | 419 | 2.0  | 155.7 | 16.0 | 34.4  |
| 11-JAM-264 | Soil                             | 1278 | 6   | 5.0  | 11.2 | 18.4 | 10.5 | 128.4 | 135.6 | 3   | 110.2 | 6.3 | 38.9 | 7.6  | 204 | 12.6 | 462.4 | 20.5 | 72.0  |
| 11-JAM-267 | Soil                             | 2687 | 3   | 6.8  | 5.0  | 12.8 | 6.7  | 26.6  | 94.5  | 2   | 102.6 | 1.5 | 12.2 | 5.0  | 334 | 4.3  | 274.4 | 21.8 | 36.1  |
| 11-JAM-327 | Soil                             | 1013 | 1   | 1.2  | 3.5  | 9.4  | 6.6  | 16.9  | 63.8  | 2   | 55.9  | 1.2 | 7.4  | 8.0  | 450 | 2.9  | 246.4 | 18.6 | 34.7  |
| 11-JAM-336 | Soil                             | 818  | 1   | 3.4  | 3.9  | 10.5 | 7.5  | 15.1  | 75.6  | 2   | 68.0  | 1.1 | 8.6  | 5.5  | 392 | 1.6  | 279.1 | 17.7 | 31.4  |
| 11-JAM-213 | Soil                             | 803  | 2   | 4.5  | 9.7  | 14.9 | 8.1  | 52.5  | 152.2 | 3   | 111.1 | 2.5 | 14.2 | 3.8  | 137 | 4.2  | 320.9 | 17.4 | 40.3  |
| 11-JAM-216 | Soil                             | 2318 | 2   | 4.8  | 6.2  | 16.6 | 12.2 | 109.2 | 183.3 | 3   | 172.6 | 5.5 | 20.7 | 7.5  | 192 | 10.2 | 532.8 | 22.2 | 55.7  |
| 11-JAM-329 | Soil                             | 1098 | 2   | 1.0  | 2.3  | 7.2  | 3.9  | 10.0  | 40.6  | <1  | 42.5  | 0.7 | 4.8  | 11.4 | 412 | 2.0  | 126.9 | 14.8 | 31.3  |
| 11-JAM-214 | Soil                             | 1039 | 3   | 4.7  | 8.1  | 17.8 | 9.8  | 55.7  | 135.5 | 3   | 141.4 | 2.8 | 13.4 | 4.3  | 210 | 5.7  | 401.7 | 21.9 | 44.4  |
| 11-JAM-209 | Soil                             | 1263 | 11  | 8.4  | 9.8  | 21.8 | 10.8 | 185.1 | 156.4 | 3   | 306.9 | 8.4 | 59.6 | 9.2  | 127 | 10.2 | 581.6 | 20.0 | 83.9  |
| 11-JAM-211 | Soil                             | 934  | 3   | 3.4  | 5.5  | 18.7 | 10.7 | 82.2  | 88.6  | 3   | 222.8 | 4.5 | 19.0 | 6.0  | 122 | 7.3  | 463.7 | 22.1 | 56.3  |
| 11-JAM-240 | Soil                             | 1351 | 4   | 6.2  | 12.0 | 20.5 | 10.0 | 102.9 | 166.9 | 3   | 154.8 | 4.8 | 23.3 | 7.3  | 192 | 5.9  | 471.9 | 25.2 | 68.7  |
| 11-JAM-339 | Soil                             | 1066 | 2   | 1.6  | 3.0  | 11.5 | 6.3  | 13.8  | 55.6  | 2   | 72.1  | 0.8 | 8.1  | 9.5  | 329 | 1.8  | 229.7 | 18.9 | 35.4  |
| 11-JAM-330 | Soil                             | 1224 | 2   | 4.8  | 3.8  | 11.7 | 5.1  | 21.7  | 75.0  | 2   | 84.1  | 1.2 | 9.4  | 7.8  | 324 | 1.6  | 231.1 | 18.6 | 37.8  |
| 11-JAM-324 | Soil                             | 1288 | 1   | 0.7  | 2.5  | 6.3  | 2.1  | 14.1  | 41.6  | <1  | 31.0  | 0.7 | 4.3  | 14.6 | 524 | 2.1  | 86.7  | 15.8 | 32.8  |
| 11-JAM-270 | Soil                             | 3829 | 3   | 12.2 | 5.1  | 9.1  | 4.4  | 20.3  | 75.7  | 2   | 109.4 | 1.1 | 11.0 | 14.0 | 609 | 6.9  | 196.0 | 26.2 | 35.0  |
| 11-JAM-200 | Soil                             | 1035 | 4   | 5.8  | 10.4 | 21.6 | 8.9  | 121.6 | 157.6 | 3   | 133.1 | 5.7 | 28.7 | 8.2  | 193 | 7.6  | 436.6 | 21.1 | 50.7  |



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Client: **Mackevoy Geosciences**

537 Kenneth Street  
Victoria BC V8Z 2B6 Canada

Project: TING PROP C

Report Date: August 31, 2011

Page: 6 of 9 Part 2

## CERTIFICATE OF ANALYSIS

**VAN11003254.1**

|            | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 1DX   | 1DX  | 1DX   | 1DX | 1DX   | 1DX   | 1DX  | 1DX |
|------------|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|-----|-------|-------|------|-----|
|            |                                  | Nd   | Sm   | Eu   | Gd   | Tb   | Dy   | Ho   | Er   | Tm   | Yb   | Lu   | Mo    | Cu   | Pb    | Zn  | Ni    | As    | Cd   | Sb  |
|            |                                  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm  | ppm   | ppm | ppm   | ppm   | ppm  | ppm |
|            |                                  | 0.3  | 0.05 | 0.02 | 0.05 | 0.01 | 0.05 | 0.02 | 0.03 | 0.01 | 0.05 | 0.01 | 0.1   | 0.1  | 0.1   | 1   | 0.1   | 0.5   | 0.1  | 0.1 |
| 11-JAM-272 | Soil                             | 42.4 | 9.05 | 2.08 | 9.08 | 1.30 | 7.56 | 1.55 | 4.61 | 0.66 | 4.69 | 0.74 | 54.1  | 28.7 | 79.0  | 410 | 96.7  | 64.5  | 6.5  | 1.4 |
| 11-JAM-227 | Soil                             | 36.0 | 5.75 | 1.13 | 4.56 | 0.75 | 4.14 | 0.87 | 2.54 | 0.38 | 2.66 | 0.42 | 37.0  | 28.0 | 87.6  | 369 | 54.7  | 30.2  | 1.2  | 3.7 |
| 11-JAM-259 | Soil                             | 39.4 | 5.83 | 1.16 | 4.46 | 0.67 | 4.07 | 0.85 | 2.70 | 0.41 | 3.00 | 0.45 | 15.1  | 16.1 | 166.5 | 313 | 32.1  | 38.4  | 1.0  | 2.6 |
| 11-JAM-206 | Soil                             | 47.3 | 6.46 | 1.05 | 4.75 | 0.76 | 4.57 | 0.88 | 2.81 | 0.42 | 3.08 | 0.50 | 34.2  | 11.5 | 65.1  | 211 | 50.8  | 32.4  | 0.7  | 1.8 |
| 11-JAM-222 | Soil                             | 52.3 | 8.51 | 1.62 | 7.44 | 1.14 | 6.62 | 1.31 | 3.87 | 0.55 | 3.69 | 0.57 | 13.7  | 29.4 | 46.3  | 186 | 34.6  | 15.8  | 2.0  | 1.7 |
| 11-JAM-242 | Soil                             | 37.9 | 5.42 | 1.40 | 4.09 | 0.65 | 4.14 | 0.88 | 2.89 | 0.47 | 3.61 | 0.55 | 8.8   | 8.0  | 37.6  | 179 | 30.7  | 16.5  | 1.0  | 4.9 |
| 11-JAM-204 | Soil                             | 41.4 | 6.55 | 1.35 | 6.03 | 0.99 | 6.15 | 1.31 | 4.04 | 0.61 | 4.41 | 0.69 | 30.6  | 11.6 | 44.1  | 154 | 33.1  | 27.6  | 0.4  | 1.4 |
| 11-JAM-343 | Soil                             | 22.7 | 3.89 | 0.72 | 2.87 | 0.44 | 2.59 | 0.52 | 1.56 | 0.22 | 1.56 | 0.26 | 61.1  | 16.6 | 8.0   | 45  | 9.0   | 13.5  | 0.2  | 2.7 |
| 11-JAM-326 | Soil                             | 31.6 | 4.93 | 0.92 | 3.62 | 0.59 | 3.32 | 0.66 | 2.13 | 0.31 | 2.22 | 0.35 | 41.3  | 13.3 | 8.2   | 32  | 6.6   | 9.3   | 0.2  | 1.9 |
| 11-JAM-335 | Soil                             | 20.3 | 3.39 | 0.66 | 2.97 | 0.47 | 2.79 | 0.60 | 1.77 | 0.24 | 1.65 | 0.25 | 90.5  | 19.6 | 5.7   | 34  | 11.6  | 23.4  | 0.3  | 7.3 |
| 11-JAM-253 | Soil                             | 34.7 | 5.25 | 1.10 | 4.18 | 0.68 | 4.21 | 0.89 | 2.85 | 0.43 | 3.13 | 0.48 | 10.3  | 10.2 | 37.9  | 152 | 23.6  | 18.3  | 0.7  | 2.6 |
| 11-JAM-243 | Soil                             | 43.6 | 6.72 | 1.30 | 5.19 | 0.84 | 5.01 | 0.98 | 2.98 | 0.46 | 3.26 | 0.51 | 9.2   | 10.2 | 36.9  | 129 | 23.5  | 15.8  | 0.9  | 2.0 |
| 11-JAM-217 | Soil                             | 32.3 | 5.08 | 0.92 | 3.85 | 0.63 | 3.98 | 0.78 | 2.37 | 0.35 | 2.56 | 0.38 | 14.4  | 11.9 | 20.1  | 120 | 20.1  | 14.8  | 0.8  | 2.3 |
| 11-JAM-328 | Soil                             | 27.5 | 4.07 | 0.73 | 3.10 | 0.46 | 2.59 | 0.50 | 1.43 | 0.20 | 1.40 | 0.22 | 81.1  | 31.8 | 5.5   | 23  | 5.8   | 14.2  | 0.3  | 3.8 |
| 11-JAM-264 | Soil                             | 36.1 | 5.32 | 0.89 | 3.70 | 0.65 | 3.91 | 0.78 | 2.42 | 0.38 | 2.62 | 0.43 | 4.8   | 17.2 | 161.9 | 860 | 148.8 | 59.1  | 5.2  | 3.3 |
| 11-JAM-267 | Soil                             | 28.0 | 4.78 | 0.91 | 3.83 | 0.63 | 3.85 | 0.76 | 2.23 | 0.33 | 2.27 | 0.37 | 6.1   | 10.9 | 65.2  | 455 | 41.1  | 55.4  | 2.2  | 2.0 |
| 11-JAM-327 | Soil                             | 30.4 | 4.87 | 0.94 | 3.88 | 0.60 | 3.54 | 0.67 | 2.00 | 0.29 | 1.95 | 0.32 | 57.2  | 21.3 | 9.6   | 45  | 7.9   | 18.8  | 0.1  | 3.6 |
| 11-JAM-336 | Soil                             | 25.6 | 4.09 | 0.78 | 3.18 | 0.53 | 3.33 | 0.65 | 1.93 | 0.29 | 2.06 | 0.33 | 26.9  | 11.5 | 12.3  | 71  | 11.9  | 13.1  | 0.3  | 1.7 |
| 11-JAM-213 | Soil                             | 27.2 | 4.31 | 0.81 | 3.06 | 0.49 | 3.06 | 0.66 | 2.13 | 0.29 | 2.04 | 0.33 | 19.0  | 6.8  | 38.8  | 128 | 15.4  | 11.5  | 0.7  | 0.8 |
| 11-JAM-216 | Soil                             | 33.0 | 5.16 | 0.93 | 3.75 | 0.65 | 3.95 | 0.83 | 2.60 | 0.39 | 2.70 | 0.43 | 9.0   | 7.9  | 33.8  | 217 | 20.3  | 10.8  | 0.8  | 1.1 |
| 11-JAM-329 | Soil                             | 25.5 | 3.87 | 0.72 | 2.99 | 0.46 | 2.54 | 0.50 | 1.34 | 0.19 | 1.38 | 0.21 | 96.5  | 36.9 | 6.6   | 25  | 6.1   | 21.6  | 0.2  | 5.2 |
| 11-JAM-214 | Soil                             | 33.1 | 5.21 | 0.99 | 3.81 | 0.66 | 3.99 | 0.82 | 2.55 | 0.37 | 2.61 | 0.42 | 39.5  | 7.2  | 29.8  | 126 | 13.6  | 12.2  | 0.8  | 0.6 |
| 11-JAM-209 | Soil                             | 42.5 | 6.02 | 1.49 | 4.22 | 0.71 | 4.12 | 0.82 | 2.46 | 0.39 | 2.68 | 0.43 | 13.3  | 10.4 | 151.7 | 202 | 27.5  | 26.5  | 0.7  | 2.2 |
| 11-JAM-211 | Soil                             | 36.0 | 5.72 | 1.09 | 4.24 | 0.68 | 4.01 | 0.83 | 2.52 | 0.39 | 2.84 | 0.44 | 18.5  | 6.9  | 47.5  | 46  | 6.3   | 5.7   | 0.6  | 0.4 |
| 11-JAM-240 | Soil                             | 30.9 | 4.90 | 1.00 | 3.75 | 0.68 | 3.80 | 0.82 | 2.66 | 0.41 | 2.69 | 0.47 | 12.8  | 7.5  | 30.4  | 120 | 24.8  | 12.0  | 0.5  | 0.9 |
| 11-JAM-339 | Soil                             | 25.5 | 4.42 | 0.82 | 3.34 | 0.54 | 2.87 | 0.59 | 1.81 | 0.26 | 1.62 | 0.28 | 73.5  | 19.6 | 9.0   | 31  | 6.8   | 18.1  | <0.1 | 2.3 |
| 11-JAM-330 | Soil                             | 26.1 | 4.21 | 0.84 | 3.21 | 0.54 | 2.94 | 0.61 | 1.73 | 0.26 | 1.77 | 0.28 | 64.7  | 28.5 | 13.9  | 132 | 19.4  | 20.6  | 0.4  | 1.9 |
| 11-JAM-324 | Soil                             | 22.7 | 3.53 | 0.68 | 2.88 | 0.44 | 2.40 | 0.47 | 1.31 | 0.19 | 0.99 | 0.17 | 128.3 | 50.4 | 6.6   | 21  | 7.0   | 25.7  | <0.1 | 5.5 |
| 11-JAM-270 | Soil                             | 25.1 | 4.33 | 0.89 | 3.67 | 0.59 | 3.38 | 0.76 | 2.27 | 0.33 | 2.11 | 0.35 | 11.3  | 26.4 | 62.3  | 827 | 198.4 | 121.2 | 8.3  | 2.5 |
| 11-JAM-200 | Soil                             | 30.4 | 4.68 | 0.89 | 3.38 | 0.62 | 3.30 | 0.69 | 2.16 | 0.36 | 2.26 | 0.39 | 22.3  | 10.9 | 35.3  | 181 | 20.6  | 22.5  | 0.7  | 0.5 |



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**Project:** TING PROP C

**Report Date:** August 31, 2011

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## CERTIFICATE OF ANALYSIS

VAN11003254.1

|            | Method<br>Analyte<br>Unit<br>MDL | 1DX  | 1DX  | 1DX  | 1DX | 1DX  |
|------------|----------------------------------|------|------|------|-----|------|
|            |                                  | Ag   | Au   | Hg   | Tl  | Se   |
|            |                                  | ppm  | ppb  | ppm  | ppm | ppm  |
|            |                                  | 0.1  | 0.5  | 0.01 | 0.1 | 0.5  |
| 11-JAM-272 | Soil                             | 1.9  | 3.5  | 0.32 | 1.5 | 4.1  |
| 11-JAM-227 | Soil                             | 0.3  | 1.9  | 0.11 | 1.2 | 5.5  |
| 11-JAM-259 | Soil                             | 0.3  | 1.7  | 0.07 | 1.2 | 2.5  |
| 11-JAM-206 | Soil                             | 0.3  | 2.2  | 0.05 | 0.7 | 1.5  |
| 11-JAM-222 | Soil                             | 0.4  | 1.7  | 0.10 | 0.5 | 2.1  |
| 11-JAM-242 | Soil                             | <0.1 | <0.5 | 0.02 | 0.5 | 1.2  |
| 11-JAM-204 | Soil                             | 0.3  | 1.4  | 0.05 | 0.5 | 1.1  |
| 11-JAM-343 | Soil                             | <0.1 | 1.0  | 0.04 | 0.4 | 6.3  |
| 11-JAM-326 | Soil                             | <0.1 | 0.8  | 0.02 | 0.3 | 5.7  |
| 11-JAM-335 | Soil                             | <0.1 | 1.0  | 0.02 | 0.3 | 10.1 |
| 11-JAM-253 | Soil                             | 0.2  | 0.6  | 0.03 | 0.7 | 0.7  |
| 11-JAM-243 | Soil                             | 0.1  | 0.9  | 0.02 | 0.7 | 0.9  |
| 11-JAM-217 | Soil                             | 0.2  | <0.5 | 0.04 | 0.4 | 2.8  |
| 11-JAM-328 | Soil                             | <0.1 | 0.9  | 0.06 | 0.4 | 10.1 |
| 11-JAM-264 | Soil                             | 2.1  | 2.5  | 0.17 | 2.8 | 0.6  |
| 11-JAM-267 | Soil                             | 0.3  | 7.4  | 0.05 | 0.4 | 0.8  |
| 11-JAM-327 | Soil                             | 1.3  | 0.6  | 0.10 | 1.3 | 6.6  |
| 11-JAM-336 | Soil                             | <0.1 | 0.9  | 0.05 | 0.3 | 5.4  |
| 11-JAM-213 | Soil                             | 0.3  | 0.8  | 0.02 | 0.3 | <0.5 |
| 11-JAM-216 | Soil                             | <0.1 | 0.7  | 0.01 | 0.3 | <0.5 |
| 11-JAM-329 | Soil                             | <0.1 | 2.7  | 0.13 | 0.4 | 15.0 |
| 11-JAM-214 | Soil                             | <0.1 | <0.5 | 0.02 | 0.2 | <0.5 |
| 11-JAM-209 | Soil                             | 0.2  | 2.2  | 0.06 | 0.5 | 0.5  |
| 11-JAM-211 | Soil                             | 0.5  | 0.6  | 0.03 | 0.2 | <0.5 |
| 11-JAM-240 | Soil                             | <0.1 | 2.0  | 0.04 | 0.5 | <0.5 |
| 11-JAM-339 | Soil                             | <0.1 | 2.8  | 0.04 | 0.2 | 8.0  |
| 11-JAM-330 | Soil                             | <0.1 | 2.8  | 0.06 | 0.4 | 5.8  |
| 11-JAM-324 | Soil                             | <0.1 | 4.0  | 0.15 | 0.3 | 17.4 |
| 11-JAM-270 | Soil                             | 0.6  | 2.3  | 0.12 | 0.8 | 4.4  |
| 11-JAM-200 | Soil                             | 0.2  | 0.8  | 0.04 | 0.3 | 0.5  |



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Project: TING PROP C

Report Date: August 31, 2011

Page: 7 of 9 Part 1

## CERTIFICATE OF ANALYSIS

**VAN11003254.1**

|             | Method | Analyte | Unit | MDL  | 4B  | 4B   | 4B   | 4B   | 4B   | 4B    | 4B    | 4B  | 4B    | 4B  | 4B   | 4B   | 4B  | 4B   | 4B    | 4B   | 4B    |       |       |      |
|-------------|--------|---------|------|------|-----|------|------|------|------|-------|-------|-----|-------|-----|------|------|-----|------|-------|------|-------|-------|-------|------|
|             |        |         |      |      | Ba  | Be   | Co   | Cs   | Ga   | Hf    | Nb    | Rb  | Sn    | Sr  | Ta   | Th   | U   | V    | W     | Zr   | Y     | La    | Ce    | Pr   |
|             |        |         |      |      | ppm | ppm  | ppm  | ppm  | ppm  | ppm   | ppm   | ppm | ppm   | ppm | ppm  | ppm  | ppm | ppm  | ppm   | ppm  | ppm   | ppm   | ppm   | ppm  |
|             |        |         |      |      | 1   | 1    | 0.2  | 0.1  | 0.5  | 0.1   | 0.1   | 0.1 | 1     | 0.5 | 0.1  | 0.2  | 0.1 | 8    | 0.5   | 0.1  | 0.1   | 0.1   | 0.1   | 0.02 |
| 11-JAM-247  | Soil   |         |      | 1846 | 7   | 6.5  | 12.1 | 17.4 | 8.4  | 103.5 | 168.7 | 3   | 243.9 | 5.1 | 44.1 | 14.9 | 230 | 6.3  | 454.9 | 64.5 | 395.3 | 283.9 | 48.02 |      |
| 11-JAM-331  | Soil   |         |      | 890  | 4   | 3.6  | 4.3  | 13.6 | 8.7  | 69.8  | 104.9 | 2   | 101.9 | 2.9 | 18.5 | 6.6  | 260 | 1.7  | 373.3 | 24.4 | 43.6  | 68.9  | 8.37  |      |
| 11-JAM-205  | Soil   |         |      | 1606 | 4   | 4.9  | 12.1 | 19.8 | 10.5 | 141.7 | 184.8 | 3   | 140.8 | 6.1 | 31.4 | 6.9  | 233 | 11.7 | 488.5 | 23.0 | 83.2  | 120.8 | 12.42 |      |
| 11-JAM-332  | Soil   |         |      | 878  | 2   | 3.3  | 5.2  | 14.6 | 7.4  | 42.9  | 115.8 | 3   | 90.5  | 2.2 | 11.5 | 5.5  | 265 | 2.2  | 317.0 | 20.4 | 42.4  | 70.9  | 8.91  |      |
| 11-JAM-254  | Soil   |         |      | 2195 | 4   | 5.3  | 9.8  | 16.3 | 11.2 | 118.7 | 174.4 | 3   | 167.1 | 5.7 | 40.2 | 10.6 | 291 | 7.3  | 588.6 | 35.9 | 108.7 | 145.9 | 16.68 |      |
| 11-JAM-333  | Soil   |         |      | 1515 | 1   | 0.9  | 3.3  | 7.5  | 3.2  | 12.9  | 45.5  | <1  | 50.6  | 0.8 | 4.2  | 9.0  | 448 | 1.7  | 124.6 | 12.5 | 28.2  | 36.4  | 5.90  |      |
| 11-JAM-224  | Soil   |         |      | 2610 | 10  | 5.9  | 14.5 | 19.5 | 4.2  | 49.8  | 116.1 | 2   | 148.5 | 2.1 | 31.7 | 19.8 | 422 | 4.8  | 203.2 | 43.8 | 132.3 | 162.3 | 16.76 |      |
| 11-JAM-250  | Soil   |         |      | 1675 | 5   | 8.1  | 17.6 | 21.1 | 9.6  | 106.3 | 202.8 | 3   | 134.2 | 4.9 | 31.2 | 8.3  | 221 | 6.2  | 448.8 | 25.4 | 77.9  | 111.2 | 11.57 |      |
| 11-JAM-338  | Soil   |         |      | 1093 | 2   | 1.9  | 3.4  | 8.9  | 6.0  | 14.3  | 58.6  | 1   | 68.8  | 0.9 | 6.7  | 7.8  | 361 | 1.8  | 235.2 | 17.8 | 33.0  | 51.3  | 6.94  |      |
| 11-JAM-237  | Soil   |         |      | 1764 | 6   | 5.0  | 14.9 | 20.3 | 12.9 | 157.5 | 207.1 | 3   | 186.3 | 7.9 | 35.6 | 12.0 | 175 | 8.2  | 644.7 | 28.2 | 111.8 | 156.6 | 15.07 |      |
| 11-JAM-244  | Soil   |         |      | 1988 | 6   | 3.3  | 13.4 | 18.0 | 15.3 | 161.8 | 246.8 | 4   | 177.4 | 8.0 | 29.3 | 9.8  | 189 | 11.6 | 747.5 | 25.7 | 85.0  | 120.9 | 12.56 |      |
| 11-JAM-239  | Soil   |         |      | 1652 | 7   | 3.9  | 10.6 | 21.4 | 14.5 | 178.8 | 192.8 | 3   | 172.1 | 8.2 | 61.0 | 12.5 | 152 | 7.9  | 704.8 | 30.0 | 120.1 | 165.0 | 16.78 |      |
| 11-JAM-341  | Soil   |         |      | 1051 | <1  | 2.2  | 3.2  | 9.6  | 4.4  | 11.9  | 46.0  | 1   | 57.2  | 0.8 | 6.5  | 8.7  | 337 | 2.0  | 197.5 | 16.4 | 33.9  | 49.6  | 7.44  |      |
| 11-JAM-215  | Soil   |         |      | 1063 | 2   | 5.2  | 5.5  | 14.2 | 9.8  | 27.9  | 140.8 | 3   | 123.4 | 1.7 | 13.7 | 3.6  | 178 | 6.5  | 349.8 | 24.3 | 47.8  | 86.1  | 10.35 |      |
| 11-AAB-0319 | Soil   |         |      | 426  | 1   | 10.7 | 4.6  | 19.3 | 8.8  | 15.0  | 52.3  | 3   | 190.0 | 1.1 | 14.9 | 3.5  | 175 | 1.6  | 335.5 | 35.2 | 45.6  | 82.5  | 10.71 |      |
| 11-AAB-0329 | Soil   |         |      | 398  | 2   | 11.2 | 3.8  | 13.2 | 9.0  | 12.6  | 49.2  | 2   | 139.3 | 0.9 | 11.7 | 2.9  | 127 | 1.4  | 343.9 | 31.2 | 36.6  | 67.8  | 8.72  |      |
| 11-AAB-0330 | Soil   |         |      | 500  | 2   | 12.9 | 3.4  | 13.7 | 10.2 | 12.0  | 49.3  | 2   | 128.4 | 0.7 | 11.4 | 3.7  | 153 | 1.5  | 389.0 | 29.2 | 36.0  | 62.1  | 8.42  |      |
| 11-AAB-0320 | Soil   |         |      | 693  | 1   | 17.0 | 6.1  | 15.2 | 6.1  | 12.1  | 99.6  | 2   | 115.9 | 0.8 | 10.9 | 3.4  | 187 | 1.6  | 217.1 | 26.5 | 35.2  | 63.7  | 8.21  |      |
| 11-AAB-0323 | Soil   |         |      | 675  | 2   | 15.3 | 3.5  | 10.1 | 14.7 | 8.8   | 57.2  | 1   | 90.8  | 0.7 | 9.1  | 3.1  | 116 | 1.0  | 606.4 | 25.3 | 27.4  | 49.1  | 6.45  |      |
| 11-AAB-0313 | Soil   |         |      | 378  | 2   | 9.8  | 3.2  | 8.9  | 10.8 | 8.2   | 53.4  | 1   | 63.8  | 0.6 | 7.5  | 2.7  | 99  | 1.1  | 450.0 | 20.9 | 21.7  | 38.2  | 5.00  |      |
| 11-AAB-0321 | Soil   |         |      | 324  | <1  | 7.8  | 2.2  | 6.2  | 10.0 | 5.4   | 37.2  | <1  | 50.4  | 0.3 | 5.5  | 2.2  | 77  | 0.6  | 374.3 | 15.7 | 16.2  | 29.4  | 3.91  |      |
| 11-AAB-0307 | Soil   |         |      | 651  | 2   | 15.4 | 4.2  | 17.2 | 9.1  | 12.6  | 57.0  | 3   | 165.6 | 0.9 | 11.6 | 3.6  | 162 | 1.4  | 337.2 | 33.0 | 40.3  | 74.2  | 9.68  |      |
| 11-AAB-0317 | Soil   |         |      | 522  | 2   | 16.0 | 4.9  | 15.5 | 6.2  | 10.9  | 65.4  | 2   | 125.3 | 0.7 | 11.7 | 3.3  | 155 | 1.5  | 261.0 | 28.3 | 36.0  | 64.8  | 8.38  |      |
| 11-AAB-0325 | Soil   |         |      | 306  | 1   | 7.8  | 2.5  | 8.9  | 9.9  | 7.6   | 37.0  | 1   | 91.7  | 0.5 | 8.2  | 2.4  | 85  | 0.9  | 399.8 | 20.8 | 25.5  | 44.8  | 5.94  |      |
| 11-AAB-0318 | Soil   |         |      | 249  | 2   | 10.9 | 3.4  | 14.6 | 11.4 | 13.5  | 42.2  | 2   | 170.6 | 0.8 | 13.4 | 3.7  | 109 | 1.3  | 440.0 | 34.7 | 37.2  | 65.0  | 8.93  |      |
| 11-JAM-248  | Soil   |         |      | 1641 | 4   | 5.3  | 13.1 | 16.5 | 15.1 | 159.3 | 203.4 | 4   | 154.2 | 7.9 | 29.1 | 8.4  | 180 | 9.0  | 748.2 | 26.1 | 87.8  | 131.5 | 13.72 |      |
| 11-JAM-234  | Soil   |         |      | 1807 | 2   | 4.4  | 5.5  | 13.1 | 10.5 | 65.7  | 146.2 | 3   | 155.9 | 3.9 | 17.7 | 5.5  | 189 | 6.6  | 466.7 | 25.9 | 69.1  | 105.7 | 12.50 |      |
| 11-JAM-334  | Soil   |         |      | 1308 | 2   | 5.5  | 4.6  | 13.3 | 7.6  | 18.3  | 94.1  | 2   | 122.8 | 1.1 | 10.4 | 4.8  | 334 | 2.1  | 292.8 | 22.3 | 42.5  | 70.1  | 9.06  |      |
| 11-JAM-257  | Soil   |         |      | 974  | 3   | 5.7  | 5.1  | 12.5 | 10.0 | 31.3  | 96.3  | 2   | 111.3 | 1.8 | 14.4 | 4.1  | 139 | 3.2  | 387.7 | 24.8 | 47.6  | 82.8  | 9.73  |      |
| 11-JAM-266  | Soil   |         |      | 1571 | 5   | 6.4  | 8.5  | 12.4 | 8.0  | 40.0  | 100.8 | 2   | 98.7  | 2.2 | 19.7 | 7.9  | 624 | 7.1  | 328.3 | 37.0 | 59.8  | 77.0  | 11.17 |      |



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Project: TING PROP C

Report Date: August 31, 2011

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## CERTIFICATE OF ANALYSIS

**VAN11003254.1**

|             | Method<br>Analyte<br>Unit<br>MDL | 4B         | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 1DX        | 1DX        | 1DX        | 1DX      | 1DX        | 1DX        | 1DX        | 1DX        |
|-------------|----------------------------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|------------|----------|------------|------------|------------|------------|
|             |                                  | Nd         | Sm          | Eu          | Gd          | Tb          | Dy          | Ho          | Er          | Tm          | Yb          | Lu          | Mo         | Cu         | Pb         | Zn       | Ni         | As         | Cd         | Sb         |
|             |                                  | ppm<br>0.3 | ppm<br>0.05 | ppm<br>0.02 | ppm<br>0.05 | ppm<br>0.01 | ppm<br>0.05 | ppm<br>0.02 | ppm<br>0.03 | ppm<br>0.01 | ppm<br>0.05 | ppm<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.1 | ppm<br>0.1 |
| 11-JAM-247  | Soil                             | 119.7      | 16.33       | 3.50        | 11.21       | 1.92        | 9.81        | 2.01        | 5.83        | 0.78        | 4.91        | 0.76        | 10.5       | 18.7       | 67.6       | 163      | 28.5       | 15.2       | 3.7        | 1.2        |
| 11-JAM-331  | Soil                             | 25.1       | 4.45        | 0.86        | 3.61        | 0.64        | 3.68        | 0.79        | 2.54        | 0.39        | 2.42        | 0.40        | 26.9       | 14.7       | 17.7       | 170      | 20.3       | 11.3       | 0.3        | 1.1        |
| 11-JAM-205  | Soil                             | 37.3       | 4.94        | 0.99        | 3.63        | 0.63        | 3.66        | 0.71        | 2.55        | 0.38        | 2.50        | 0.42        | 26.5       | 8.4        | 40.8       | 128      | 31.9       | 27.3       | 0.4        | 1.3        |
| 11-JAM-332  | Soil                             | 28.1       | 4.65        | 0.87        | 3.41        | 0.58        | 3.27        | 0.67        | 2.21        | 0.33        | 2.08        | 0.35        | 39.0       | 11.7       | 12.6       | 105      | 11.7       | 13.6       | 0.5        | 1.3        |
| 11-JAM-254  | Soil                             | 46.6       | 7.61        | 1.59        | 5.73        | 0.98        | 5.49        | 1.14        | 3.61        | 0.54        | 3.61        | 0.56        | 11.5       | 22.8       | 46.8       | 193      | 38.1       | 23.7       | 1.3        | 2.8        |
| 11-JAM-333  | Soil                             | 19.8       | 3.22        | 0.59        | 2.34        | 0.36        | 1.86        | 0.38        | 1.21        | 0.16        | 1.13        | 0.17        | 100.5      | 22.4       | 7.0        | 36       | 8.2        | 23.4       | <0.1       | 2.7        |
| 11-JAM-224  | Soil                             | 46.6       | 8.26        | 1.88        | 6.99        | 1.20        | 6.26        | 1.31        | 3.95        | 0.54        | 3.22        | 0.49        | 20.5       | 57.0       | 80.1       | 315      | 61.3       | 14.8       | 13.2       | 1.4        |
| 11-JAM-250  | Soil                             | 34.4       | 5.35        | 1.08        | 3.85        | 0.69        | 3.90        | 0.83        | 2.53        | 0.39        | 2.59        | 0.43        | 23.7       | 12.1       | 84.7       | 217      | 25.8       | 14.5       | 2.5        | 0.8        |
| 11-JAM-338  | Soil                             | 24.6       | 3.86        | 0.74        | 2.97        | 0.47        | 2.81        | 0.59        | 1.71        | 0.26        | 1.68        | 0.28        | 66.0       | 20.3       | 11.6       | 57       | 13.1       | 23.4       | 0.2        | 2.4        |
| 11-JAM-237  | Soil                             | 42.0       | 5.81        | 1.21        | 4.30        | 0.72        | 4.03        | 0.92        | 2.91        | 0.44        | 3.02        | 0.50        | 16.3       | 11.4       | 74.8       | 175      | 23.0       | 10.9       | 2.3        | 0.9        |
| 11-JAM-244  | Soil                             | 36.4       | 5.12        | 1.18        | 3.77        | 0.66        | 3.96        | 0.83        | 2.67        | 0.45        | 2.96        | 0.49        | 9.7        | 9.2        | 28.6       | 114      | 19.4       | 13.2       | 0.6        | 2.5        |
| 11-JAM-239  | Soil                             | 44.1       | 6.34        | 1.25        | 4.81        | 0.79        | 4.26        | 0.98        | 3.06        | 0.52        | 3.42        | 0.57        | 9.4        | 10.5       | 71.3       | 147      | 21.7       | 16.1       | 0.9        | 1.6        |
| 11-JAM-341  | Soil                             | 27.7       | 4.05        | 0.80        | 2.88        | 0.45        | 2.38        | 0.50        | 1.49        | 0.23        | 1.50        | 0.22        | 65.5       | 26.4       | 9.9        | 46       | 10.5       | 17.4       | <0.1       | 1.9        |
| 11-JAM-215  | Soil                             | 33.4       | 5.53        | 1.11        | 4.13        | 0.73        | 3.62        | 0.89        | 2.54        | 0.42        | 2.60        | 0.43        | 11.1       | 6.2        | 15.4       | 114      | 16.3       | 10.5       | 1.0        | 0.4        |
| 11-AAB-0319 | Soil                             | 38.4       | 6.66        | 1.53        | 5.53        | 0.97        | 5.18        | 1.23        | 3.65        | 0.54        | 3.27        | 0.55        | 0.9        | 12.1       | 17.1       | 86       | 29.7       | 14.6       | 0.2        | <0.1       |
| 11-AAB-0329 | Soil                             | 30.7       | 5.62        | 1.20        | 5.01        | 0.87        | 4.70        | 1.07        | 3.28        | 0.48        | 2.94        | 0.50        | 0.9        | 10.0       | 15.5       | 89       | 28.9       | 13.3       | 0.4        | 0.1        |
| 11-AAB-0330 | Soil                             | 29.6       | 5.41        | 1.14        | 4.46        | 0.77        | 4.36        | 1.00        | 2.88        | 0.43        | 2.91        | 0.47        | 1.5        | 12.4       | 17.2       | 103      | 34.0       | 14.8       | 0.5        | 0.1        |
| 11-AAB-0320 | Soil                             | 28.8       | 5.13        | 1.21        | 4.26        | 0.75        | 4.25        | 0.96        | 2.96        | 0.45        | 2.82        | 0.46        | 0.9        | 19.6       | 15.9       | 146      | 40.9       | 16.7       | 0.2        | <0.1       |
| 11-AAB-0323 | Soil                             | 22.7       | 4.39        | 0.98        | 3.94        | 0.68        | 3.75        | 0.84        | 2.54        | 0.42        | 2.53        | 0.44        | 1.0        | 14.3       | 13.4       | 109      | 35.6       | 19.9       | 0.4        | 0.1        |
| 11-AAB-0313 | Soil                             | 16.7       | 3.29        | 0.78        | 2.99        | 0.55        | 3.16        | 0.74        | 2.14        | 0.37        | 2.17        | 0.38        | 0.5        | 9.9        | 9.4        | 93       | 24.4       | 8.5        | 0.1        | <0.1       |
| 11-AAB-0321 | Soil                             | 14.9       | 2.64        | 0.64        | 2.47        | 0.44        | 2.31        | 0.55        | 1.62        | 0.25        | 1.69        | 0.29        | 0.7        | 8.3        | 8.8        | 64       | 17.5       | 9.4        | 0.2        | <0.1       |
| 11-AAB-0307 | Soil                             | 33.4       | 6.14        | 1.40        | 5.45        | 0.91        | 5.18        | 1.15        | 3.37        | 0.53        | 3.21        | 0.53        | 1.0        | 12.5       | 18.8       | 100      | 29.8       | 20.0       | 0.3        | <0.1       |
| 11-AAB-0317 | Soil                             | 28.8       | 5.28        | 1.19        | 4.72        | 0.80        | 4.58        | 0.97        | 2.90        | 0.43        | 2.72        | 0.42        | 1.3        | 20.1       | 19.6       | 141      | 43.7       | 23.1       | 0.4        | 0.1        |
| 11-AAB-0325 | Soil                             | 21.8       | 4.00        | 0.86        | 3.31        | 0.56        | 2.94        | 0.68        | 2.03        | 0.33        | 2.05        | 0.33        | 0.9        | 10.5       | 10.8       | 80       | 24.0       | 13.1       | 0.3        | 0.1        |
| 11-AAB-0318 | Soil                             | 31.1       | 5.56        | 1.25        | 5.14        | 0.89        | 5.19        | 1.11        | 3.51        | 0.52        | 3.14        | 0.52        | 0.9        | 11.6       | 16.3       | 125      | 38.5       | 14.1       | 0.7        | <0.1       |
| 11-JAM-248  | Soil                             | 37.9       | 5.53        | 1.23        | 4.09        | 0.68        | 3.70        | 0.82        | 2.81        | 0.44        | 2.85        | 0.51        | 16.8       | 9.7        | 55.0       | 225      | 26.7       | 14.2       | 0.6        | 1.8        |
| 11-JAM-234  | Soil                             | 38.0       | 5.87        | 1.17        | 4.29        | 0.72        | 3.67        | 0.89        | 2.64        | 0.40        | 2.59        | 0.44        | 12.4       | 9.3        | 33.8       | 129      | 18.2       | 11.9       | 0.8        | 1.3        |
| 11-JAM-334  | Soil                             | 31.1       | 4.87        | 1.00        | 3.92        | 0.62        | 3.35        | 0.73        | 2.35        | 0.35        | 2.13        | 0.36        | 19.2       | 12.4       | 14.1       | 152      | 18.1       | 12.2       | 0.5        | 0.7        |
| 11-JAM-257  | Soil                             | 34.0       | 5.11        | 1.01        | 3.93        | 0.69        | 3.80        | 0.84        | 2.48        | 0.41        | 2.62        | 0.42        | 5.7        | 7.2        | 65.6       | 150      | 16.7       | 14.1       | 1.0        | 0.7        |
| 11-JAM-266  | Soil                             | 37.3       | 6.14        | 1.35        | 5.72        | 0.92        | 5.35        | 1.13        | 3.37        | 0.53        | 3.28        | 0.50        | 4.9        | 20.2       | 113.4      | 684      | 75.9       | 80.3       | 4.1        | 2.7        |



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**Report Date:** August 31, 2011

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## CERTIFICATE OF ANALYSIS

VAN11003254.1

|             | Method<br>Analyte<br>Unit<br>MDL | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  |
|-------------|----------------------------------|------|------|------|------|------|
|             |                                  | Ag   | Au   | Hg   | Tl   | Se   |
|             |                                  | ppm  | ppb  | ppm  | ppm  | ppm  |
|             |                                  | 0.1  | 0.5  | 0.01 | 0.1  | 0.5  |
| 11-JAM-247  | Soil                             | 0.3  | 2.2  | 0.05 | 0.6  | 1.6  |
| 11-JAM-331  | Soil                             | <0.1 | 1.2  | 0.05 | 0.3  | 4.1  |
| 11-JAM-205  | Soil                             | 0.1  | 1.1  | 0.03 | 0.6  | 0.7  |
| 11-JAM-332  | Soil                             | <0.1 | 0.8  | 0.02 | 0.4  | 3.4  |
| 11-JAM-254  | Soil                             | 0.2  | <0.5 | 0.10 | 0.8  | 1.7  |
| 11-JAM-333  | Soil                             | <0.1 | 1.3  | 0.03 | 0.6  | 4.9  |
| 11-JAM-224  | Soil                             | 2.2  | 0.7  | 0.26 | 0.9  | 3.6  |
| 11-JAM-250  | Soil                             | 0.6  | 0.8  | 0.04 | 0.7  | 1.1  |
| 11-JAM-338  | Soil                             | <0.1 | 0.7  | 0.06 | 0.4  | 5.7  |
| 11-JAM-237  | Soil                             | 0.2  | 0.6  | 0.02 | 0.6  | 0.6  |
| 11-JAM-244  | Soil                             | 0.2  | <0.5 | 0.03 | 0.5  | 1.1  |
| 11-JAM-239  | Soil                             | 0.2  | <0.5 | 0.04 | 0.6  | 1.1  |
| 11-JAM-341  | Soil                             | 0.2  | <0.5 | 0.06 | 0.3  | 10.8 |
| 11-JAM-215  | Soil                             | 0.2  | <0.5 | 0.02 | 0.2  | 0.7  |
| 11-AAB-0319 | Soil                             | 0.1  | <0.5 | 0.06 | <0.1 | 0.9  |
| 11-AAB-0329 | Soil                             | 0.2  | <0.5 | 0.04 | <0.1 | 1.5  |
| 11-AAB-0330 | Soil                             | 0.3  | <0.5 | 0.06 | <0.1 | 1.5  |
| 11-AAB-0320 | Soil                             | <0.1 | <0.5 | 0.05 | <0.1 | 0.7  |
| 11-AAB-0323 | Soil                             | 0.1  | <0.5 | 0.05 | <0.1 | 0.7  |
| 11-AAB-0313 | Soil                             | <0.1 | 0.9  | 0.05 | <0.1 | 0.5  |
| 11-AAB-0321 | Soil                             | <0.1 | <0.5 | 0.03 | <0.1 | 0.6  |
| 11-AAB-0307 | Soil                             | 0.2  | <0.5 | 0.07 | <0.1 | 1.8  |
| 11-AAB-0317 | Soil                             | 0.2  | <0.5 | 0.07 | <0.1 | 1.7  |
| 11-AAB-0325 | Soil                             | 0.1  | <0.5 | 0.05 | <0.1 | 0.9  |
| 11-AAB-0318 | Soil                             | 0.3  | <0.5 | 0.05 | <0.1 | 1.6  |
| 11-JAM-248  | Soil                             | <0.1 | <0.5 | 0.02 | 0.5  | 1.3  |
| 11-JAM-234  | Soil                             | 0.1  | <0.5 | 0.05 | 0.3  | 0.9  |
| 11-JAM-334  | Soil                             | <0.1 | 0.6  | 0.04 | 0.4  | 2.6  |
| 11-JAM-257  | Soil                             | 0.3  | <0.5 | 0.02 | 0.2  | 0.6  |
| 11-JAM-266  | Soil                             | 0.7  | 0.7  | 0.12 | 0.6  | 2.0  |



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Project: TING PROP C

Report Date: August 31, 2011

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## CERTIFICATE OF ANALYSIS

VAN11003254.1

|            | Method<br>Analyte<br>Unit<br>MDL | 4B             | 4B             | 4B               | 4B               | 4B               | 4B               | 4B               | 4B               | 4B             | 4B               | 4B               | 4B               | 4B              | 4B            | 4B              | 4B               | 4B              | 4B               | 4B               |
|------------|----------------------------------|----------------|----------------|------------------|------------------|------------------|------------------|------------------|------------------|----------------|------------------|------------------|------------------|-----------------|---------------|-----------------|------------------|-----------------|------------------|------------------|
|            |                                  | Ba<br>ppm<br>1 | Be<br>ppm<br>1 | Co<br>ppm<br>0.2 | Cs<br>ppm<br>0.1 | Ga<br>ppm<br>0.5 | Hf<br>ppm<br>0.1 | Nb<br>ppm<br>0.1 | Rb<br>ppm<br>0.1 | Sn<br>ppm<br>1 | Sr<br>ppm<br>0.5 | Ta<br>ppm<br>0.1 | Th<br>ppm<br>0.2 | U<br>ppm<br>0.1 | V<br>ppm<br>8 | W<br>ppm<br>0.5 | Zr<br>ppm<br>0.1 | Y<br>ppm<br>0.1 | La<br>ppm<br>0.1 | Ce<br>ppm<br>0.1 |
| 11-JAM-236 | Soil                             | 1296           | 7              | 4.5              | 9.8              | 18.5             | 12.7             | 143.0            | 164.1            | 3              | 121.6            | 5.8              | 48.4             | 10.7            | 145           | 12.2            | 645.3            | 24.9            | 92.7             | 132.7            |
| 11-JAM-218 | Soil                             | 2259           | 3              | 8.4              | 8.5              | 17.9             | 7.7              | 30.3             | 166.3            | 3              | 124.6            | 1.8              | 19.2             | 7.7             | 396           | 4.4             | 286.5            | 30.3            | 56.9             | 89.2             |
| 11-JAM-251 | Soil                             | 1520           | 3              | 5.2              | 8.6              | 16.7             | 11.1             | 66.0             | 164.6            | 3              | 144.2            | 3.5              | 17.9             | 5.4             | 200           | 4.8             | 453.4            | 24.9            | 56.6             | 91.1             |
| 11-JAM-221 | Soil                             | 1463           | 3              | 3.1              | 19.4             | 16.9             | 10.8             | 54.5             | 159.1            | 3              | 146.3            | 2.6              | 17.9             | 6.1             | 162           | 4.1             | 417.0            | 26.9            | 58.3             | 95.9             |
| 11-JAM-225 | Soil                             | 1890           | 3              | 4.4              | 8.9              | 16.3             | 7.8              | 50.9             | 146.3            | 2              | 156.1            | 2.5              | 15.7             | 6.7             | 301           | 4.1             | 320.5            | 24.4            | 61.3             | 91.9             |
| 11-JAM-271 | Soil                             | 4532           | 3              | 10.6             | 5.6              | 10.0             | 5.5              | 23.8             | 83.4             | 2              | 103.2            | 1.2              | 16.8             | 20.7            | 670           | 4.6             | 237.4            | 31.8            | 36.8             | 56.8             |
| 11-JAM-245 | Soil                             | 2037           | 4              | 4.4              | 12.8             | 19.1             | 13.8             | 149.6            | 266.1            | 3              | 161.9            | 7.5              | 29.8             | 9.0             | 235           | 8.1             | 639.2            | 25.2            | 64.4             | 102.1            |
| 11-JAM-226 | Soil                             | 1878           | 2              | 3.9              | 8.8              | 13.7             | 8.7              | 79.1             | 156.9            | 2              | 111.2            | 4.1              | 16.4             | 7.2             | 281           | 4.4             | 394.5            | 21.8            | 56.9             | 88.3             |
| 11-JAM-233 | Soil                             | 1903           | 4              | 5.2              | 10.6             | 16.5             | 8.5              | 55.9             | 159.6            | 3              | 171.4            | 2.8              | 27.7             | 7.2             | 218           | 4.7             | 346.6            | 24.9            | 82.9             | 115.3            |
| 11-JAM-340 | Soil                             | 1316           | <1             | 2.4              | 3.1              | 9.8              | 5.2              | 12.7             | 51.8             | 2              | 69.6             | 0.8              | 6.8              | 9.4             | 375           | 1.9             | 179.7            | 18.7            | 29.3             | 46.1             |
| 11-JAM-249 | Soil                             | 1664           | 4              | 6.0              | 12.2             | 17.2             | 11.5             | 93.0             | 173.0            | 3              | 147.7            | 4.7              | 27.2             | 6.6             | 186           | 5.8             | 526.6            | 25.6            | 72.9             | 109.0            |
| 11-JAM-273 | Soil                             | 1951           | 3              | 7.2              | 3.6              | 9.1              | 5.0              | 24.1             | 61.3             | 2              | 61.6             | 1.3              | 9.6              | 4.7             | 339           | 4.1             | 199.8            | 25.9            | 33.6             | 55.2             |
| 11-JAM-256 | Soil                             | 2263           | 3              | 3.0              | 12.3             | 14.4             | 6.7              | 65.5             | 161.8            | 3              | 90.2             | 3.2              | 16.3             | 6.4             | 296           | 11.9            | 298.4            | 17.0            | 40.8             | 66.0             |
| 11-JAM-263 | Soil                             | 813            | 13             | 6.3              | 9.4              | 13.2             | 8.2              | 88.5             | 95.7             | 2              | 55.6             | 3.5              | 37.1             | 5.9             | 115           | 11.4            | 378.0            | 22.9            | 60.8             | 87.1             |
| 11-JAM-344 | Soil                             | 1000           | 2              | 0.4              | 2.9              | 7.2              | 3.6              | 9.1              | 39.3             | <1             | 50.9             | 0.6              | 4.3              | 7.3             | 285           | 1.7             | 131.8            | 11.7            | 29.4             | 39.9             |
| 11-JAM-230 | Soil                             | 1489           | 2              | 4.1              | 11.0             | 14.2             | 9.0              | 76.0             | 147.1            | 2              | 145.6            | 3.8              | 16.5             | 7.1             | 239           | 4.8             | 369.2            | 21.4            | 50.2             | 80.5             |
| 11-JAM-246 | Soil                             | 1317           | 2              | 4.3              | 7.2              | 13.4             | 9.6              | 50.2             | 116.4            | 2              | 107.8            | 2.8              | 15.9             | 5.3             | 210           | 4.1             | 374.3            | 22.0            | 56.4             | 86.3             |
| 11-JAM-235 | Soil                             | 1932           | 6              | 4.9              | 11.2             | 18.2             | 13.3             | 153.6            | 183.2            | 3              | 135.8            | 7.3              | 47.6             | 11.7            | 189           | 8.9             | 678.9            | 29.2            | 104.1            | 146.2            |
| 11-JAM-325 | Soil                             | 1108           | 2              | 0.7              | 4.6              | 13.2             | 12.2             | 156.5            | 146.2            | 2              | 36.3             | 6.3              | 26.3             | 12.9            | 364           | 2.1             | 542.2            | 21.2            | 44.9             | 62.2             |
| 11-JAM-212 | Soil                             | 828            | 2              | 4.9              | 7.7              | 15.1             | 10.2             | 59.6             | 113.1            | 3              | 140.0            | 3.3              | 15.5             | 4.2             | 141           | 4.9             | 399.6            | 22.0            | 42.5             | 75.4             |
| 11-JAM-220 | Soil                             | 1969           | 3              | 2.6              | 18.0             | 14.4             | 10.5             | 103.0            | 244.0            | 3              | 134.9            | 5.1              | 20.3             | 8.1             | 194           | 6.7             | 460.3            | 21.6            | 52.5             | 84.2             |
| 11-JAM-232 | Soil                             | 1640           | 2              | 3.3              | 10.4             | 14.3             | 11.6             | 84.8             | 200.5            | 3              | 164.7            | 4.4              | 17.8             | 5.9             | 168           | 5.9             | 508.9            | 22.0            | 49.3             | 82.6             |
| 11-JAM-274 | Soil                             | 3823           | 2              | 11.2             | 6.9              | 11.6             | 8.2              | 16.7             | 79.4             | 2              | 73.7             | 1.1              | 10.5             | 16.0            | 393           | 2.1             | 294.3            | 29.0            | 34.1             | 61.1             |
| 11-JAM-268 | Soil                             | 2133           | 2              | 12.1             | 4.4              | 13.6             | 7.3              | 22.4             | 88.0             | 3              | 149.1            | 1.4              | 14.2             | 4.1             | 240           | 4.2             | 262.4            | 24.8            | 43.2             | 78.5             |
| 11-JAM-265 | Soil                             | 1395           | 9              | 10.9             | 14.1             | 15.2             | 9.5              | 65.4             | 116.3            | 3              | 75.3             | 3.0              | 31.2             | 7.7             | 258           | 9.3             | 414.5            | 43.4            | 127.9            | 114.6            |
| 11-JAM-241 | Soil                             | 1891           | 4              | 5.5              | 9.4              | 15.3             | 8.1              | 67.3             | 137.5            | 2              | 111.5            | 3.8              | 22.8             | 7.1             | 306           | 5.5             | 338.0            | 21.4            | 55.6             | 88.5             |
| 11-JAM-203 | Soil                             | 1120           | 3              | 2.9              | 9.5              | 18.5             | 11.2             | 112.9            | 134.7            | 3              | 111.5            | 5.5              | 27.6             | 6.1             | 172           | 9.7             | 484.7            | 21.3            | 58.0             | 96.0             |
| 11-JAM-255 | Soil                             | 1033           | 5              | 4.5              | 7.2              | 12.7             | 10.4             | 62.9             | 103.1            | 2              | 93.6             | 3.3              | 17.5             | 4.4             | 156           | 8.8             | 407.6            | 20.4            | 46.4             | 80.1             |
| 11-JAM-282 | Soil                             | 2204           | 4              | 4.6              | 6.3              | 17.8             | 11.0             | 101.6            | 156.1            | 4              | 150.8            | 5.2              | 18.6             | 8.2             | 201           | 47.4            | 482.4            | 21.9            | 62.4             | 98.0             |
| 11-JAM-229 | Soil                             | 1423           | 7              | 4.0              | 17.3             | 21.3             | 13.5             | 196.1            | 206.2            | 4              | 260.3            | 9.3              | 27.3             | 8.8             | 107           | 11.0            | 671.0            | 25.4            | 62.6             | 106.3            |



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Project: TING PROP C

Report Date: August 31, 2011

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## CERTIFICATE OF ANALYSIS

VAN11003254.1

|            | Method<br>Analyte | Unit<br>MDL | 4B         | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 1DX         | 1DX        | 1DX        | 1DX        | 1DX      | 1DX        | 1DX        | 1DX        |            |            |
|------------|-------------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|------------|----------|------------|------------|------------|------------|------------|
|            |                   |             | Nd         | Sm          | Eu          | Gd          | Tb          | Dy          | Ho          | Er          | Tm          | Yb          | Lu          | Mo         | Cu         | Pb         | Zn       | Ni         | As         | Cd         | Sb         | Bi         |
|            |                   |             | ppm<br>0.3 | ppm<br>0.05 | ppm<br>0.02 | ppm<br>0.05 | ppm<br>0.01 | ppm<br>0.05 | ppm<br>0.02 | ppm<br>0.03 | ppm<br>0.01 | ppm<br>0.05 | ppm<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 |
| 11-JAM-236 | Soil              | 39.7        | 5.49       | 1.12        | 4.22        | 0.72        | 4.33        | 0.86        | 2.57        | 0.40        | 2.97        | 0.47        | 10.6        | 11.8       | 87.0       | 98         | 23.2     | 15.9       | 1.0        | 2.1        | 1.1        |            |
| 11-JAM-218 | Soil              | 37.6        | 6.59       | 1.28        | 5.25        | 0.87        | 4.83        | 1.03        | 3.03        | 0.42        | 3.04        | 0.45        | 15.3        | 29.5       | 47.2       | 233        | 36.9     | 20.6       | 3.9        | 0.9        | 0.9        |            |
| 11-JAM-251 | Soil              | 37.4        | 5.68       | 1.12        | 4.19        | 0.72        | 4.15        | 0.85        | 2.70        | 0.41        | 2.96        | 0.46        | 8.6         | 7.2        | 27.8       | 121        | 19.7     | 11.7       | 0.4        | 1.1        | 0.6        |            |
| 11-JAM-221 | Soil              | 39.7        | 6.15       | 1.12        | 4.75        | 0.79        | 4.71        | 0.94        | 2.95        | 0.42        | 3.08        | 0.47        | 11.3        | 7.2        | 30.5       | 92         | 11.1     | 5.5        | 1.5        | 0.5        | 0.4        |            |
| 11-JAM-225 | Soil              | 36.7        | 5.44       | 1.15        | 4.42        | 0.70        | 4.07        | 0.81        | 2.48        | 0.36        | 2.54        | 0.37        | 20.6        | 14.9       | 54.9       | 222        | 29.4     | 11.8       | 1.8        | 1.2        | 0.6        |            |
| 11-JAM-271 | Soil              | 28.0        | 4.84       | 1.08        | 4.58        | 0.75        | 4.36        | 0.96        | 2.79        | 0.41        | 2.96        | 0.46        | 11.0        | 31.6       | 69.5       | 638        | 179.3    | 67.2       | 5.1        | 2.9        | 0.3        |            |
| 11-JAM-245 | Soil              | 34.1        | 4.76       | 1.08        | 3.78        | 0.66        | 3.98        | 0.87        | 2.83        | 0.43        | 3.29        | 0.50        | 16.0        | 11.4       | 34.3       | 165        | 31.9     | 17.9       | 0.5        | 2.1        | 0.7        |            |
| 11-JAM-226 | Soil              | 34.0        | 4.96       | 0.99        | 3.77        | 0.62        | 3.79        | 0.79        | 2.27        | 0.35        | 2.51        | 0.38        | 21.7        | 10.7       | 45.0       | 164        | 23.7     | 13.3       | 0.5        | 1.4        | 0.4        |            |
| 11-JAM-233 | Soil              | 40.9        | 5.86       | 1.22        | 4.54        | 0.75        | 4.59        | 0.85        | 2.54        | 0.38        | 2.68        | 0.40        | 14.9        | 18.0       | 90.2       | 183        | 24.3     | 10.2       | 2.4        | 0.8        | 0.9        |            |
| 11-JAM-340 | Soil              | 24.8        | 4.10       | 0.85        | 3.40        | 0.53        | 2.96        | 0.59        | 1.77        | 0.24        | 1.74        | 0.26        | 101.8       | 24.1       | 10.6       | 54         | 11.6     | 23.4       | <0.1       | 2.4        | 0.2        |            |
| 11-JAM-249 | Soil              | 37.6        | 5.78       | 1.15        | 4.45        | 0.74        | 4.24        | 0.90        | 2.75        | 0.41        | 2.97        | 0.46        | 11.4        | 11.9       | 59.4       | 192        | 32.3     | 15.4       | 1.2        | 1.4        | 0.9        |            |
| 11-JAM-273 | Soil              | 24.9        | 4.36       | 0.92        | 4.10        | 0.68        | 3.93        | 0.78        | 2.41        | 0.34        | 2.30        | 0.35        | 9.0         | 23.9       | 149.0      | 589        | 82.6     | 60.9       | 5.6        | 4.4        | 0.3        |            |
| 11-JAM-256 | Soil              | 25.5        | 3.72       | 0.66        | 2.60        | 0.45        | 2.54        | 0.56        | 1.85        | 0.29        | 2.19        | 0.34        | 17.4        | 11.5       | 125.4      | 188        | 17.2     | 31.4       | 1.2        | 1.6        | 0.8        |            |
| 11-JAM-263 | Soil              | 26.3        | 4.11       | 0.84        | 3.60        | 0.63        | 3.78        | 0.77        | 2.37        | 0.36        | 2.57        | 0.39        | 8.7         | 11.5       | 137.9      | 753        | 78.6     | 46.6       | 7.7        | 3.0        | 0.7        |            |
| 11-JAM-344 | Soil              | 23.3        | 3.30       | 0.60        | 2.35        | 0.35        | 1.84        | 0.37        | 1.12        | 0.15        | 1.04        | 0.16        | 29.7        | 9.2        | 3.9        | 9          | 1.7      | 3.8        | <0.1       | 0.9        | <0.1       |            |
| 11-JAM-230 | Soil              | 31.0        | 4.69       | 0.95        | 3.52        | 0.60        | 3.60        | 0.76        | 2.34        | 0.36        | 2.48        | 0.38        | 30.9        | 11.3       | 54.9       | 163        | 22.8     | 14.5       | 0.8        | 1.7        | 0.6        |            |
| 11-JAM-246 | Soil              | 32.2        | 4.94       | 1.00        | 4.07        | 0.66        | 3.80        | 0.78        | 2.41        | 0.37        | 2.60        | 0.40        | 9.1         | 10.7       | 42.8       | 114        | 23.8     | 14.4       | 0.5        | 1.3        | 0.4        |            |
| 11-JAM-235 | Soil              | 44.9        | 6.45       | 1.27        | 4.79        | 0.82        | 4.80        | 1.02        | 3.05        | 0.48        | 3.48        | 0.54        | 12.0        | 16.5       | 106.7      | 260        | 35.7     | 18.1       | 2.5        | 2.3        | 1.4        |            |
| 11-JAM-325 | Soil              | 26.0        | 4.01       | 0.69        | 3.37        | 0.56        | 3.43        | 0.67        | 2.18        | 0.34        | 2.70        | 0.42        | 81.0        | 32.4       | 24.1       | 51         | 11.3     | 19.2       | 0.2        | 2.6        | 0.2        |            |
| 11-JAM-212 | Soil              | 30.2        | 4.73       | 0.92        | 3.69        | 0.64        | 3.89        | 0.78        | 2.50        | 0.38        | 2.70        | 0.42        | 34.8        | 8.2        | 34.5       | 110        | 15.2     | 13.2       | 0.6        | 0.4        | 0.6        |            |
| 11-JAM-220 | Soil              | 30.2        | 4.79       | 0.86        | 3.59        | 0.60        | 3.55        | 0.75        | 2.46        | 0.38        | 2.55        | 0.41        | 10.3        | 8.6        | 27.8       | 101        | 12.0     | 4.7        | 1.3        | 0.9        | 0.4        |            |
| 11-JAM-232 | Soil              | 30.3        | 4.92       | 0.91        | 3.66        | 0.61        | 3.79        | 0.75        | 2.42        | 0.37        | 2.62        | 0.43        | 13.9        | 8.4        | 35.4       | 109        | 12.5     | 7.6        | 1.6        | 1.1        | 0.8        |            |
| 11-JAM-274 | Soil              | 32.6        | 6.05       | 1.28        | 5.20        | 0.83        | 4.87        | 1.01        | 2.90        | 0.43        | 3.09        | 0.49        | 18.9        | 18.5       | 60.9       | 241        | 57.9     | 36.8       | 3.0        | 0.7        | 0.2        |            |
| 11-JAM-268 | Soil              | 32.3        | 5.59       | 1.12        | 4.70        | 0.75        | 4.40        | 0.91        | 2.75        | 0.39        | 2.76        | 0.41        | 3.3         | 16.4       | 46.9       | 328        | 47.2     | 35.9       | 2.0        | 1.1        | 0.4        |            |
| 11-JAM-265 | Soil              | 49.3        | 7.89       | 1.51        | 6.68        | 1.09        | 6.62        | 1.32        | 3.97        | 0.55        | 3.80        | 0.58        | 3.5         | 26.5       | 101.1      | 455        | 68.5     | 173.0      | 4.0        | 2.7        | 0.7        |            |
| 11-JAM-241 | Soil              | 32.1        | 5.02       | 1.00        | 3.60        | 0.64        | 3.64        | 0.71        | 2.23        | 0.35        | 2.47        | 0.38        | 15.1        | 16.4       | 39.4       | 170        | 36.9     | 22.3       | 1.0        | 2.0        | 0.6        |            |
| 11-JAM-203 | Soil              | 33.3        | 4.87       | 0.87        | 3.67        | 0.61        | 3.74        | 0.75        | 2.36        | 0.35        | 2.55        | 0.42        | 35.3        | 8.1        | 56.3       | 138        | 19.8     | 19.6       | 0.9        | 1.0        | 1.0        |            |
| 11-JAM-255 | Soil              | 30.9        | 4.67       | 0.87        | 3.45        | 0.57        | 3.48        | 0.74        | 2.24        | 0.36        | 2.47        | 0.38        | 7.4         | 6.4        | 125.1      | 296        | 17.9     | 24.2       | 1.2        | 1.7        | 1.0        |            |
| 11-JAM-282 | Soil              | 34.0        | 5.24       | 1.05        | 4.01        | 0.66        | 3.94        | 0.79        | 2.49        | 0.38        | 2.64        | 0.42        | 13.5        | 11.1       | 31.1       | 511        | 42.9     | 16.6       | 2.3        | 2.0        | 1.7        |            |
| 11-JAM-229 | Soil              | 34.6        | 5.16       | 1.18        | 3.92        | 0.70        | 4.35        | 0.91        | 2.83        | 0.43        | 3.10        | 0.49        | 39.5        | 9.5        | 84.1       | 451        | 16.2     | 21.1       | 0.8        | 1.3        | 1.7        |            |



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**Project:** TING PROP C

**Report Date:** August 31, 2011

**Page:** 8 of 9 **Part** 3

## CERTIFICATE OF ANALYSIS

VAN11003254.1

|            | Method<br>Analyte<br>Unit<br>MDL | 1DX  | 1DX  | 1DX   | 1DX | 1DX  |
|------------|----------------------------------|------|------|-------|-----|------|
|            |                                  | Ag   | Au   | Hg    | Tl  | Se   |
|            |                                  | ppm  | ppb  | ppm   | ppm | ppm  |
|            |                                  | 0.1  | 0.5  | 0.01  | 0.1 | 0.5  |
| 11-JAM-236 | Soil                             | 0.1  | 1.5  | 0.06  | 0.4 | 1.3  |
| 11-JAM-218 | Soil                             | 0.6  | 2.9  | 0.07  | 0.6 | 1.4  |
| 11-JAM-251 | Soil                             | <0.1 | 1.1  | <0.01 | 0.5 | 0.7  |
| 11-JAM-221 | Soil                             | 0.3  | 1.4  | 0.02  | 0.4 | <0.5 |
| 11-JAM-225 | Soil                             | 0.2  | 0.9  | 0.04  | 0.7 | 1.3  |
| 11-JAM-271 | Soil                             | 0.7  | 2.5  | 0.15  | 0.8 | 6.2  |
| 11-JAM-245 | Soil                             | 0.1  | 0.8  | 0.01  | 0.7 | 0.9  |
| 11-JAM-226 | Soil                             | 0.2  | 1.9  | 0.04  | 0.8 | 1.6  |
| 11-JAM-233 | Soil                             | 0.8  | 1.2  | 0.05  | 0.5 | 1.1  |
| 11-JAM-340 | Soil                             | 0.4  | 2.1  | 0.09  | 0.4 | 8.1  |
| 11-JAM-249 | Soil                             | 0.6  | 0.6  | 0.05  | 0.6 | 1.0  |
| 11-JAM-273 | Soil                             | 0.7  | 1.0  | 0.26  | 1.0 | 1.4  |
| 11-JAM-256 | Soil                             | 0.4  | 1.9  | 0.02  | 1.1 | 1.7  |
| 11-JAM-263 | Soil                             | 1.4  | 2.8  | 0.05  | 1.3 | <0.5 |
| 11-JAM-344 | Soil                             | <0.1 | 1.3  | 0.02  | 0.4 | 2.8  |
| 11-JAM-230 | Soil                             | 0.2  | 0.6  | 0.02  | 0.7 | 2.8  |
| 11-JAM-246 | Soil                             | 0.2  | 1.6  | 0.03  | 0.5 | 0.9  |
| 11-JAM-235 | Soil                             | 0.3  | 1.9  | 0.06  | 0.7 | 1.7  |
| 11-JAM-325 | Soil                             | <0.1 | 1.9  | 0.05  | 0.5 | 10.4 |
| 11-JAM-212 | Soil                             | 0.3  | 0.8  | 0.03  | 0.2 | <0.5 |
| 11-JAM-220 | Soil                             | 0.2  | 1.5  | <0.01 | 0.6 | 0.6  |
| 11-JAM-232 | Soil                             | 0.3  | 0.9  | 0.02  | 0.3 | 0.8  |
| 11-JAM-274 | Soil                             | 1.2  | 2.4  | 0.21  | 1.0 | 2.7  |
| 11-JAM-268 | Soil                             | 0.3  | 1.5  | 0.03  | 0.4 | <0.5 |
| 11-JAM-265 | Soil                             | 1.1  | 1.8  | 0.05  | 0.9 | 1.1  |
| 11-JAM-241 | Soil                             | 0.2  | 1.8  | 0.06  | 0.7 | 1.8  |
| 11-JAM-203 | Soil                             | 0.2  | 1.3  | 0.04  | 0.3 | 0.6  |
| 11-JAM-255 | Soil                             | 0.5  | 2.3  | 0.02  | 0.4 | <0.5 |
| 11-JAM-282 | Soil                             | 0.3  | 1.6  | <0.01 | 0.2 | <0.5 |
| 11-JAM-229 | Soil                             | 0.3  | 16.1 | 0.01  | 0.7 | <0.5 |



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Project: TING PROP C

Report Date: August 31, 2011

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## CERTIFICATE OF ANALYSIS

**VAN11003254.1**

|            | Method | Analyte | Unit | MDL  | 4B  | 4B  | 4B   | 4B   | 4B   | 4B    | 4B    | 4B  | 4B    | 4B  | 4B   | 4B   | 4B  | 4B   | 4B    | 4B   | 4B    |       |       |      |
|------------|--------|---------|------|------|-----|-----|------|------|------|-------|-------|-----|-------|-----|------|------|-----|------|-------|------|-------|-------|-------|------|
|            |        |         |      |      | Ba  | Be  | Co   | Cs   | Ga   | Hf    | Nb    | Rb  | Sn    | Sr  | Ta   | Th   | U   | V    | W     | Zr   | Y     | La    | Ce    | Pr   |
|            |        |         |      |      | ppm | ppm | ppm  | ppm  | ppm  | ppm   | ppm   | ppm | ppm   | ppm | ppm  | ppm  | ppm | ppm  | ppm   | ppm  | ppm   | ppm   | ppm   | ppm  |
|            |        |         |      |      | 1   | 1   | 0.2  | 0.1  | 0.5  | 0.1   | 0.1   | 0.1 | 1     | 0.5 | 0.1  | 0.2  | 0.1 | 8    | 0.5   | 0.1  | 0.1   | 0.1   | 0.1   | 0.02 |
| 11-JAM-342 | Soil   |         |      | 822  | <1  | 3.4 | 2.8  | 10.0 | 6.5  | 15.3  | 63.4  | 2   | 69.2  | 1.1 | 7.7  | 4.9  | 227 | 1.7  | 249.1 | 15.7 | 31.4  | 54.1  | 6.97  |      |
| 11-JAM-223 | Soil   |         |      | 1618 | 2   | 2.0 | 10.4 | 16.2 | 10.8 | 107.1 | 135.6 | 3   | 134.1 | 5.5 | 33.2 | 10.5 | 237 | 7.1  | 457.2 | 20.3 | 53.8  | 84.0  | 9.34  |      |
| 11-JAM-231 | Soil   |         |      | 1765 | 3   | 4.4 | 10.4 | 14.4 | 9.5  | 93.1  | 158.8 | 2   | 151.7 | 5.2 | 27.3 | 7.8  | 231 | 5.2  | 464.1 | 23.2 | 71.4  | 106.1 | 11.83 |      |
| 11-JAM-337 | Soil   |         |      | 1271 | 3   | 6.1 | 4.4  | 11.0 | 7.5  | 15.2  | 71.9  | 2   | 92.0  | 1.1 | 10.5 | 6.3  | 256 | 1.7  | 261.0 | 22.8 | 36.6  | 66.6  | 8.35  |      |
| 11-JAM-275 | Soil   |         |      | 2523 | 3   | 9.9 | 4.4  | 11.3 | 5.7  | 25.4  | 65.4  | 2   | 84.2  | 1.5 | 11.9 | 7.2  | 398 | 3.9  | 211.8 | 28.5 | 40.1  | 67.2  | 8.60  |      |
| 11-JAM-199 | Soil   |         |      | 1176 | 3   | 4.7 | 7.9  | 16.4 | 10.3 | 95.9  | 142.8 | 2   | 130.4 | 5.1 | 17.1 | 5.4  | 148 | 6.9  | 423.8 | 18.9 | 45.4  | 80.4  | 8.85  |      |
| 11-JAM-207 | Soil   |         |      | 1370 | 10  | 5.9 | 10.2 | 20.7 | 12.4 | 164.4 | 175.9 | 3   | 104.8 | 6.9 | 49.1 | 8.8  | 170 | 12.7 | 585.4 | 26.4 | 106.3 | 170.3 | 14.94 |      |
| 11-JAM-252 | Soil   |         |      | 1609 | 3   | 3.6 | 11.6 | 15.8 | 11.9 | 86.3  | 185.8 | 3   | 160.3 | 4.2 | 31.8 | 7.3  | 191 | 7.2  | 536.8 | 31.6 | 78.5  | 123.7 | 13.05 |      |
| 11-JAM-208 | Soil   |         |      | 1283 | 7   | 7.4 | 11.1 | 17.4 | 11.5 | 140.0 | 148.3 | 3   | 100.4 | 6.2 | 64.0 | 10.2 | 239 | 8.4  | 584.8 | 24.4 | 95.3  | 147.8 | 14.06 |      |
| 11-JAM-269 | Soil   |         |      | 2646 | 2   | 6.7 | 8.3  | 10.3 | 3.2  | 14.4  | 74.5  | 1   | 275.3 | 0.8 | 9.1  | 2.7  | 341 | 2.9  | 120.5 | 23.6 | 27.3  | 47.9  | 5.95  |      |
| 11-JAM-201 | Soil   |         |      | 927  | 3   | 4.9 | 8.9  | 16.8 | 9.1  | 46.1  | 114.6 | 2   | 100.9 | 2.5 | 13.7 | 3.9  | 182 | 4.9  | 369.9 | 20.3 | 37.1  | 72.9  | 7.59  |      |
| 11-JAM-219 | Soil   |         |      | 1951 | 2   | 3.2 | 8.1  | 13.1 | 7.2  | 56.2  | 143.3 | 2   | 97.4  | 2.7 | 12.3 | 8.2  | 325 | 4.2  | 291.2 | 22.5 | 40.5  | 72.0  | 7.90  |      |
| 11-JAM-202 | Soil   |         |      | 1147 | 3   | 3.5 | 8.9  | 16.1 | 10.0 | 86.8  | 139.4 | 3   | 121.8 | 4.4 | 14.4 | 5.3  | 188 | 9.8  | 445.9 | 19.9 | 48.5  | 88.2  | 8.91  |      |
| 11-JAM-210 | Soil   |         |      | 1186 | 10  | 9.1 | 12.0 | 21.4 | 11.0 | 167.9 | 140.9 | 3   | 268.6 | 7.5 | 37.3 | 9.9  | 143 | 8.7  | 560.3 | 25.6 | 96.5  | 158.4 | 14.75 |      |
| 11-JAM-262 | Soil   |         |      | 1299 | 12  | 7.8 | 10.2 | 18.3 | 13.7 | 137.2 | 171.4 | 4   | 99.3  | 6.5 | 56.2 | 12.8 | 219 | 12.2 | 663.8 | 50.6 | 149.5 | 176.5 | 19.32 |      |



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**Project:** TING PROP C  
**Report Date:** August 31, 2011

**Page:** 9 of 9 **Part** 2

## CERTIFICATE OF ANALYSIS

VAN11003254.1

|            | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 1DX  | 1DX  | 1DX   | 1DX | 1DX  | 1DX  | 1DX | 1DX |
|------------|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-----|------|------|-----|-----|
|            |                                  | Nd   | Sm   | Eu   | Gd   | Tb   | Dy   | Ho   | Er   | Tm   | Yb   | Lu   | Mo   | Cu   | Pb    | Zn  | Ni   | As   | Cd  | Sb  |
|            |                                  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm | ppm  | ppm  | ppm | ppm |
|            |                                  | 0.3  | 0.05 | 0.02 | 0.05 | 0.01 | 0.05 | 0.02 | 0.03 | 0.01 | 0.05 | 0.01 | 0.1  | 0.1  | 0.1   | 1   | 0.1  | 0.5  | 0.1 | 0.1 |
| 11-JAM-342 | Soil                             | 24.9 | 3.99 | 0.73 | 2.95 | 0.49 | 2.81 | 0.56 | 1.79 | 0.25 | 1.71 | 0.28 | 43.7 | 13.4 | 11.2  | 57  | 12.1 | 13.2 | 0.1 | 1.0 |
| 11-JAM-223 | Soil                             | 29.1 | 4.53 | 0.87 | 3.27 | 0.54 | 3.27 | 0.67 | 2.17 | 0.33 | 2.30 | 0.38 | 17.7 | 17.5 | 40.3  | 95  | 15.4 | 6.0  | 3.9 | 1.1 |
| 11-JAM-231 | Soil                             | 36.2 | 5.54 | 1.14 | 4.36 | 0.69 | 4.18 | 0.83 | 2.51 | 0.39 | 2.62 | 0.41 | 18.9 | 14.8 | 71.1  | 211 | 27.4 | 14.2 | 1.2 | 1.8 |
| 11-JAM-337 | Soil                             | 30.6 | 5.25 | 1.02 | 4.43 | 0.71 | 4.13 | 0.81 | 2.35 | 0.36 | 2.27 | 0.35 | 29.3 | 23.0 | 14.9  | 89  | 25.6 | 15.5 | 0.3 | 0.9 |
| 11-JAM-275 | Soil                             | 32.1 | 5.44 | 1.10 | 4.97 | 0.78 | 4.59 | 0.89 | 2.76 | 0.41 | 2.73 | 0.41 | 11.3 | 25.4 | 135.1 | 580 | 81.4 | 58.5 | 8.9 | 3.4 |
| 11-JAM-199 | Soil                             | 28.0 | 4.56 | 0.82 | 3.49 | 0.58 | 3.37 | 0.70 | 2.25 | 0.33 | 2.31 | 0.37 | 24.4 | 6.8  | 30.3  | 132 | 18.3 | 13.0 | 0.4 | 0.6 |
| 11-JAM-207 | Soil                             | 44.9 | 5.63 | 0.86 | 4.46 | 0.69 | 4.05 | 0.84 | 2.62 | 0.46 | 2.91 | 0.45 | 21.2 | 10.9 | 57.9  | 171 | 48.2 | 40.6 | 0.7 | 1.2 |
| 11-JAM-252 | Soil                             | 42.7 | 6.48 | 1.32 | 5.26 | 0.84 | 5.01 | 0.97 | 3.00 | 0.52 | 3.19 | 0.49 | 9.1  | 7.1  | 25.7  | 113 | 16.1 | 9.8  | 0.9 | 1.0 |
| 11-JAM-208 | Soil                             | 41.3 | 5.64 | 0.98 | 4.47 | 0.71 | 4.28 | 0.81 | 2.41 | 0.46 | 2.76 | 0.43 | 26.8 | 17.0 | 87.1  | 224 | 54.3 | 34.9 | 0.7 | 2.3 |
| 11-JAM-269 | Soil                             | 22.9 | 4.17 | 0.85 | 3.85 | 0.55 | 3.49 | 0.66 | 2.13 | 0.36 | 1.98 | 0.31 | 4.6  | 24.6 | 51.1  | 367 | 79.2 | 52.1 | 4.2 | 3.4 |
| 11-JAM-201 | Soil                             | 25.6 | 4.26 | 0.75 | 3.40 | 0.53 | 3.27 | 0.67 | 2.05 | 0.38 | 2.30 | 0.36 | 49.3 | 10.5 | 31.8  | 147 | 19.2 | 15.3 | 0.3 | 0.5 |
| 11-JAM-219 | Soil                             | 27.2 | 4.27 | 0.88 | 3.69 | 0.58 | 3.65 | 0.70 | 2.12 | 0.36 | 2.17 | 0.34 | 27.9 | 17.3 | 27.1  | 134 | 24.7 | 21.7 | 0.9 | 2.2 |
| 11-JAM-202 | Soil                             | 30.1 | 4.46 | 0.86 | 3.61 | 0.53 | 3.36 | 0.65 | 1.97 | 0.34 | 2.09 | 0.34 | 30.6 | 8.0  | 22.9  | 189 | 22.9 | 20.1 | 0.6 | 0.8 |
| 11-JAM-210 | Soil                             | 46.8 | 6.79 | 1.41 | 5.23 | 0.78 | 4.60 | 0.84 | 2.52 | 0.44 | 2.72 | 0.41 | 32.2 | 11.6 | 90.2  | 164 | 32.9 | 18.7 | 0.5 | 1.2 |
| 11-JAM-262 | Soil                             | 61.0 | 9.06 | 1.75 | 7.81 | 1.18 | 7.29 | 1.47 | 4.46 | 0.77 | 4.84 | 0.70 | 26.2 | 19.0 | 300.3 | 722 | 69.3 | 64.4 | 3.7 | 5.0 |



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**Project:** TING PROP C

**Report Date:** August 31, 2011

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## CERTIFICATE OF ANALYSIS

VAN11003254.1

|            | Method<br>Analyte<br>Unit<br>MDL | 1DX  | 1DX  | 1DX  | 1DX | 1DX  |
|------------|----------------------------------|------|------|------|-----|------|
|            |                                  | Ag   | Au   | Hg   | Tl  | Se   |
|            |                                  | ppm  | ppb  | ppm  | ppm | ppm  |
|            |                                  | 0.1  | 0.5  | 0.01 | 0.1 | 0.5  |
| 11-JAM-342 | Soil                             | 0.2  | 1.6  | 0.04 | 0.2 | 3.6  |
| 11-JAM-223 | Soil                             | 0.4  | 1.9  | 0.02 | 0.5 | 1.0  |
| 11-JAM-231 | Soil                             | 0.6  | 2.4  | 0.05 | 0.7 | 1.1  |
| 11-JAM-337 | Soil                             | <0.1 | 2.9  | 0.06 | 0.4 | 2.6  |
| 11-JAM-275 | Soil                             | 0.7  | 3.0  | 0.18 | 0.8 | 0.9  |
| 11-JAM-199 | Soil                             | 0.1  | 1.2  | 0.01 | 0.3 | <0.5 |
| 11-JAM-207 | Soil                             | 0.2  | 4.1  | 0.05 | 0.5 | 0.7  |
| 11-JAM-252 | Soil                             | 0.2  | 2.3  | 0.03 | 0.5 | <0.5 |
| 11-JAM-208 | Soil                             | 0.1  | 4.3  | 0.09 | 0.8 | 1.8  |
| 11-JAM-269 | Soil                             | 0.5  | 2.1  | 0.12 | 1.1 | 0.7  |
| 11-JAM-201 | Soil                             | 0.2  | 0.6  | 0.03 | 0.3 | 0.6  |
| 11-JAM-219 | Soil                             | 0.2  | 1.3  | 0.04 | 0.5 | 4.1  |
| 11-JAM-202 | Soil                             | 0.3  | <0.5 | 0.03 | 0.3 | 0.7  |
| 11-JAM-210 | Soil                             | 1.1  | 1.1  | 0.10 | 0.5 | 1.0  |
| 11-JAM-262 | Soil                             | 0.9  | 1.8  | 0.13 | 1.0 | 1.1  |



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Page: 1 of 3 Part 1

## QUALITY CONTROL REPORT

VAN11003254.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B  | 4B   | 4B   | 4B   | 4B   | 4B    | 4B    | 4B  | 4B    | 4B  | 4B   | 4B   | 4B  | 4B   | 4B    | 4B   | 4B    | 4B    |
|---------------------|----------------------------------|------|-----|------|------|------|------|-------|-------|-----|-------|-----|------|------|-----|------|-------|------|-------|-------|
|                     |                                  | Ba   | Be  | Co   | Cs   | Ga   | Hf   | Nb    | Rb    | Sn  | Sr    | Ta  | Th   | U    | V   | W    | Zr    | Y    | La    | Ce    |
|                     |                                  | ppm  | ppm | ppm  | ppm  | ppm  | ppm  | ppm   | ppm   | ppm | ppm   | ppm | ppm  | ppm  | ppm | ppm  | ppm   | ppm  | ppm   | ppm   |
|                     |                                  | 1    | 1   | 0.2  | 0.1  | 0.5  | 0.1  | 0.1   | 0.1   | 1   | 0.5   | 0.1 | 0.2  | 0.1  | 8   | 0.5  | 0.1   | 0.1  | 0.1   | 0.1   |
| Pulp Duplicates     |                                  |      |     |      |      |      |      |       |       |     |       |     |      |      |     |      |       |      |       |       |
| 11-AAB-0257         | Soil                             | 497  | 2   | 8.5  | 3.1  | 11.1 | 12.8 | 10.3  | 42.5  | 2   | 105.3 | 0.6 | 8.5  | 2.8  | 109 | 1.1  | 502.6 | 24.7 | 26.8  | 49.3  |
| REP 11-AAB-0257     | QC                               | 421  | 1   | 8.6  | 2.8  | 9.7  | 14.0 | 10.8  | 41.9  | 2   | 105.1 | 0.7 | 9.1  | 2.7  | 105 | 1.0  | 506.9 | 24.4 | 26.6  | 49.6  |
| 11-AAB-0278         | Soil                             | 313  | 1   | 21.0 | 2.4  | 7.7  | 7.5  | 6.9   | 38.8  | 1   | 69.8  | 0.4 | 6.2  | 2.3  | 77  | 0.7  | 293.8 | 19.4 | 18.9  | 37.7  |
| REP 11-AAB-0278     | QC                               |      |     |      |      |      |      |       |       |     |       |     |      |      |     |      |       |      |       |       |
| 11-MGB-282          | Soil                             | 627  | 7   | 7.7  | 7.9  | 16.8 | 6.7  | 14.1  | 98.5  | 5   | 202.7 | 1.4 | 16.2 | 4.5  | 81  | 2.2  | 235.2 | 26.0 | 43.9  | 89.6  |
| REP 11-MGB-282      | QC                               | 636  | 5   | 7.8  | 7.8  | 15.9 | 7.1  | 14.4  | 99.1  | 4   | 203.8 | 1.3 | 15.8 | 4.7  | 85  | 2.6  | 258.0 | 26.0 | 46.0  | 93.9  |
| 11-JAM-280          | Soil                             | 2912 | 10  | 4.4  | 4.4  | 19.6 | 12.3 | 128.5 | 200.5 | 4   | 159.0 | 5.8 | 17.6 | 8.8  | 299 | 23.8 | 612.9 | 24.5 | 68.5  | 116.2 |
| REP 11-JAM-280      | QC                               |      |     |      |      |      |      |       |       |     |       |     |      |      |     |      |       |      |       |       |
| 11-JAM-314          | Soil                             | 813  | 5   | 2.9  | 14.2 | 20.0 | 12.5 | 164.5 | 276.1 | 3   | 95.2  | 7.1 | 25.7 | 4.8  | 148 | 2.0  | 512.0 | 21.3 | 49.1  | 80.4  |
| REP 11-JAM-314      | QC                               |      |     |      |      |      |      |       |       |     |       |     |      |      |     |      |       |      |       |       |
| 11-AAB-0288         | Soil                             | 117  | <1  | 3.2  | 1.2  | 2.9  | 12.1 | 3.2   | 20.2  | <1  | 25.5  | 0.2 | 3.1  | 1.8  | 32  | <0.5 | 427.3 | 9.9  | 8.9   | 16.2  |
| REP 11-AAB-0288     | QC                               | 107  | <1  | 3.1  | 1.1  | 3.0  | 12.5 | 3.6   | 20.8  | <1  | 26.3  | 0.3 | 3.0  | 1.8  | 29  | <0.5 | 468.7 | 10.6 | 10.1  | 18.1  |
| 11-AAB-0315         | Soil                             | 702  | 1   | 11.0 | 3.5  | 11.5 | 9.9  | 8.9   | 54.8  | 2   | 89.6  | 0.7 | 9.0  | 3.1  | 130 | 1.1  | 348.3 | 23.6 | 24.4  | 45.6  |
| REP 11-AAB-0315     | QC                               |      |     |      |      |      |      |       |       |     |       |     |      |      |     |      |       |      |       |       |
| 11-JAM-211          | Soil                             | 934  | 3   | 3.4  | 5.5  | 18.7 | 10.7 | 82.2  | 88.6  | 3   | 222.8 | 4.5 | 19.0 | 6.0  | 122 | 7.3  | 463.7 | 22.1 | 56.3  | 92.9  |
| REP 11-JAM-211      | QC                               | 903  | 4   | 3.2  | 5.6  | 18.4 | 10.8 | 80.8  | 86.1  | 4   | 213.8 | 4.2 | 18.2 | 5.6  | 121 | 6.5  | 462.9 | 22.0 | 57.4  | 91.2  |
| 11-JAM-332          | Soil                             | 878  | 2   | 3.3  | 5.2  | 14.6 | 7.4  | 42.9  | 115.8 | 3   | 90.5  | 2.2 | 11.5 | 5.5  | 265 | 2.2  | 317.0 | 20.4 | 42.4  | 70.9  |
| REP 11-JAM-332      | QC                               |      |     |      |      |      |      |       |       |     |       |     |      |      |     |      |       |      |       |       |
| 11-JAM-237          | Soil                             | 1764 | 6   | 5.0  | 14.9 | 20.3 | 12.9 | 157.5 | 207.1 | 3   | 186.3 | 7.9 | 35.6 | 12.0 | 175 | 8.2  | 644.7 | 28.2 | 111.8 | 156.6 |
| REP 11-JAM-237      | QC                               | 1760 | 5   | 5.2  | 15.8 | 20.8 | 12.6 | 153.9 | 206.0 | 3   | 185.3 | 7.4 | 34.2 | 11.9 | 174 | 8.5  | 593.0 | 27.8 | 117.8 | 163.5 |
| 11-JAM-218          | Soil                             | 2259 | 3   | 8.4  | 8.5  | 17.9 | 7.7  | 30.3  | 166.3 | 3   | 124.6 | 1.8 | 19.2 | 7.7  | 396 | 4.4  | 286.5 | 30.3 | 56.9  | 89.2  |
| REP 11-JAM-218      | QC                               | 2318 | 3   | 7.7  | 8.8  | 17.3 | 7.9  | 33.9  | 162.5 | 3   | 121.5 | 2.0 | 19.7 | 8.3  | 381 | 4.9  | 296.9 | 28.5 | 57.5  | 90.7  |
| 11-JAM-251          | Soil                             | 1520 | 3   | 5.2  | 8.6  | 16.7 | 11.1 | 66.0  | 164.6 | 3   | 144.2 | 3.5 | 17.9 | 5.4  | 200 | 4.8  | 453.4 | 24.9 | 56.6  | 91.1  |
| REP 11-JAM-251      | QC                               |      |     |      |      |      |      |       |       |     |       |     |      |      |     |      |       |      |       |       |
| Reference Materials |                                  |      |     |      |      |      |      |       |       |     |       |     |      |      |     |      |       |      |       |       |
| STD DS8             | Standard                         |      |     |      |      |      |      |       |       |     |       |     |      |      |     |      |       |      |       |       |
| STD DS8             | Standard                         |      |     |      |      |      |      |       |       |     |       |     |      |      |     |      |       |      |       |       |
| STD DS8             | Standard                         |      |     |      |      |      |      |       |       |     |       |     |      |      |     |      |       |      |       |       |



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Project: TING PROP C

Report Date: August 31, 2011

Page: 1 of 3 Part 2

## QUALITY CONTROL REPORT

VAN11003254.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 1DX  | 1DX  | 1DX   | 1DX   | 1DX | 1DX  | 1DX  | 1DX | 1DX  |
|---------------------|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-----|------|------|-----|------|
|                     |                                  | Nd   | Sm   | Eu   | Gd   | Tb   | Dy   | Ho   | Er   | Tm   | Yb   | Lu   | Mo   | Cu    | Pb    | Zn  | Ni   | As   | Cd  | Sb   |
|                     |                                  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm   | ppm | ppm  | ppm  | ppm | ppm  |
|                     |                                  | 0.3  | 0.05 | 0.02 | 0.05 | 0.01 | 0.05 | 0.02 | 0.03 | 0.01 | 0.05 | 0.01 | 0.1  | 0.1   | 0.1   | 1   | 0.1  | 0.5  | 0.1 | 0.1  |
| Pulp Duplicates     |                                  |      |      |      |      |      |      |      |      |      |      |      |      |       |       |     |      |      |     |      |
| 11-AAB-0257         | Soil                             | 21.6 | 4.36 | 0.90 | 3.65 | 0.65 | 3.90 | 0.80 | 2.44 | 0.39 | 2.52 | 0.42 | 0.9  | 7.9   | 11.8  | 67  | 20.9 | 11.1 | 0.4 | 0.2  |
| REP 11-AAB-0257     | QC                               | 23.5 | 4.30 | 0.90 | 3.76 | 0.65 | 3.85 | 0.80 | 2.34 | 0.39 | 2.71 | 0.41 |      |       |       |     |      |      |     |      |
| 11-AAB-0278         | Soil                             | 17.7 | 3.41 | 0.81 | 3.46 | 0.57 | 3.24 | 0.71 | 1.98 | 0.29 | 1.84 | 0.29 | 1.0  | 11.6  | 12.1  | 107 | 41.8 | 13.6 | 0.4 | 0.1  |
| REP 11-AAB-0278     | QC                               |      |      |      |      |      |      |      |      |      |      |      | 1.0  | 11.3  | 11.4  | 104 | 40.8 | 14.3 | 0.3 | 0.2  |
| 11-MGB-282          | Soil                             | 37.8 | 6.25 | 1.28 | 5.27 | 0.82 | 4.57 | 0.92 | 2.50 | 0.38 | 2.71 | 0.38 | 0.5  | 11.2  | 12.8  | 82  | 14.8 | 3.3  | 0.4 | 0.2  |
| REP 11-MGB-282      | QC                               | 39.2 | 6.88 | 1.31 | 5.39 | 0.85 | 4.71 | 0.89 | 2.62 | 0.42 | 2.77 | 0.38 |      |       |       |     |      |      |     |      |
| 11-JAM-280          | Soil                             | 31.5 | 4.80 | 0.91 | 3.72 | 0.61 | 3.72 | 0.73 | 2.28 | 0.37 | 2.31 | 0.37 | 9.9  | 8.8   | 25.0  | 347 | 42.4 | 14.7 | 2.2 | 4.3  |
| REP 11-JAM-280      | QC                               |      |      |      |      |      |      |      |      |      |      |      | 10.3 | 9.1   | 24.1  | 338 | 40.8 | 13.7 | 2.5 | 4.0  |
| 11-JAM-314          | Soil                             | 27.9 | 4.44 | 0.78 | 3.59 | 0.60 | 3.56 | 0.77 | 2.43 | 0.41 | 2.85 | 0.45 | 6.4  | 4.5   | 22.2  | 117 | 11.4 | 4.9  | 0.4 | 0.4  |
| REP 11-JAM-314      | QC                               |      |      |      |      |      |      |      |      |      |      |      | 6.4  | 4.3   | 22.1  | 119 | 11.3 | 5.0  | 0.3 | 0.4  |
| 11-AAB-0288         | Soil                             | 8.1  | 1.52 | 0.35 | 1.31 | 0.24 | 1.52 | 0.34 | 1.08 | 0.18 | 1.24 | 0.23 | 0.5  | 4.0   | 4.0   | 25  | 10.6 | 4.8  | 0.2 | <0.1 |
| REP 11-AAB-0288     | QC                               | 9.0  | 1.70 | 0.37 | 1.61 | 0.28 | 1.74 | 0.36 | 1.11 | 0.19 | 1.36 | 0.23 |      |       |       |     |      |      |     |      |
| 11-AAB-0315         | Soil                             | 21.7 | 4.30 | 0.97 | 4.05 | 0.70 | 4.18 | 0.84 | 2.53 | 0.38 | 2.68 | 0.42 | 1.2  | 14.3  | 14.9  | 110 | 25.0 | 16.5 | 0.1 | 0.2  |
| REP 11-AAB-0315     | QC                               |      |      |      |      |      |      |      |      |      |      |      | 1.0  | 14.0  | 14.6  | 115 | 25.0 | 16.7 | 0.2 | 0.2  |
| 11-JAM-211          | Soil                             | 36.0 | 5.72 | 1.09 | 4.24 | 0.68 | 4.01 | 0.83 | 2.52 | 0.39 | 2.84 | 0.44 | 18.5 | 6.9   | 47.5  | 46  | 6.3  | 5.7  | 0.6 | 0.4  |
| REP 11-JAM-211      | QC                               | 35.3 | 5.36 | 1.09 | 4.05 | 0.67 | 4.19 | 0.85 | 2.60 | 0.38 | 2.78 | 0.44 |      |       |       |     |      |      |     |      |
| 11-JAM-332          | Soil                             | 28.1 | 4.65 | 0.87 | 3.41 | 0.58 | 3.27 | 0.67 | 2.21 | 0.33 | 2.08 | 0.35 | 39.0 | 11.7  | 12.6  | 105 | 11.7 | 13.6 | 0.5 | 1.3  |
| REP 11-JAM-332      | QC                               |      |      |      |      |      |      |      |      |      |      |      | 39.3 | 11.1  | 12.8  | 102 | 11.8 | 13.4 | 0.5 | 1.2  |
| 11-JAM-237          | Soil                             | 42.0 | 5.81 | 1.21 | 4.30 | 0.72 | 4.03 | 0.92 | 2.91 | 0.44 | 3.02 | 0.50 | 16.3 | 11.4  | 74.8  | 175 | 23.0 | 10.9 | 2.3 | 0.9  |
| REP 11-JAM-237      | QC                               | 42.7 | 5.84 | 1.16 | 4.40 | 0.75 | 3.98 | 0.89 | 2.85 | 0.46 | 3.05 | 0.51 |      |       |       |     |      |      |     |      |
| 11-JAM-218          | Soil                             | 37.6 | 6.59 | 1.28 | 5.25 | 0.87 | 4.83 | 1.03 | 3.03 | 0.42 | 3.04 | 0.45 | 15.3 | 29.5  | 47.2  | 233 | 36.9 | 20.6 | 3.9 | 0.9  |
| REP 11-JAM-218      | QC                               | 38.4 | 6.56 | 1.35 | 5.33 | 0.89 | 5.04 | 1.03 | 2.92 | 0.43 | 2.92 | 0.45 |      |       |       |     |      |      |     |      |
| 11-JAM-251          | Soil                             | 37.4 | 5.68 | 1.12 | 4.19 | 0.72 | 4.15 | 0.85 | 2.70 | 0.41 | 2.96 | 0.46 | 8.6  | 7.2   | 27.8  | 121 | 19.7 | 11.7 | 0.4 | 1.1  |
| REP 11-JAM-251      | QC                               |      |      |      |      |      |      |      |      |      |      |      | 9.2  | 7.8   | 28.7  | 123 | 20.6 | 11.8 | 0.7 | 1.1  |
| Reference Materials |                                  |      |      |      |      |      |      |      |      |      |      |      |      |       |       |     |      |      |     |      |
| STD DS8             | Standard                         |      |      |      |      |      |      |      |      |      |      |      | 14.4 | 114.6 | 125.0 | 312 | 39.9 | 25.8 | 2.2 | 4.0  |
| STD DS8             | Standard                         |      |      |      |      |      |      |      |      |      |      |      | 13.5 | 112.3 | 137.4 | 325 | 40.2 | 26.1 | 2.8 | 4.8  |
| STD DS8             | Standard                         |      |      |      |      |      |      |      |      |      |      |      | 14.4 | 111.9 | 137.6 | 341 | 39.5 | 28.0 | 2.7 | 4.8  |



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**Report Date:** August 31, 2011

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## QUALITY CONTROL REPORT

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|                     | Method<br>Analyte<br>Unit<br>MDL | 1DX  | 1DX   | 1DX   | 1DX  | 1DX  |
|---------------------|----------------------------------|------|-------|-------|------|------|
|                     |                                  | Ag   | Au    | Hg    | Tl   | Se   |
|                     |                                  | ppm  | ppb   | ppm   | ppm  | ppm  |
|                     |                                  | 0.1  | 0.5   | 0.01  | 0.1  | 0.5  |
| Pulp Duplicates     |                                  |      |       |       |      |      |
| 11-AAB-0257         | Soil                             | 0.1  | 2.9   | 0.03  | <0.1 | 0.7  |
| REP 11-AAB-0257     | QC                               |      |       |       |      |      |
| 11-AAB-0278         | Soil                             | 0.1  | <0.5  | 0.04  | <0.1 | 0.7  |
| REP 11-AAB-0278     | QC                               | <0.1 | <0.5  | 0.04  | <0.1 | 0.9  |
| 11-MGB-282          | Soil                             | <0.1 | 0.7   | 0.04  | 0.3  | <0.5 |
| REP 11-MGB-282      | QC                               |      |       |       |      |      |
| 11-JAM-280          | Soil                             | <0.1 | <0.5  | <0.01 | 0.2  | <0.5 |
| REP 11-JAM-280      | QC                               | <0.1 | 1.9   | <0.01 | 0.2  | 0.6  |
| 11-JAM-314          | Soil                             | <0.1 | 0.7   | 0.03  | 0.6  | <0.5 |
| REP 11-JAM-314      | QC                               | <0.1 | 1.7   | <0.01 | 0.6  | <0.5 |
| 11-AAB-0288         | Soil                             | <0.1 | 0.8   | <0.01 | <0.1 | <0.5 |
| REP 11-AAB-0288     | QC                               |      |       |       |      |      |
| 11-AAB-0315         | Soil                             | 0.1  | 1.9   | 0.06  | <0.1 | 1.2  |
| REP 11-AAB-0315     | QC                               | 0.1  | 1.3   | 0.05  | <0.1 | 0.6  |
| 11-JAM-211          | Soil                             | 0.5  | 0.6   | 0.03  | 0.2  | <0.5 |
| REP 11-JAM-211      | QC                               |      |       |       |      |      |
| 11-JAM-332          | Soil                             | <0.1 | 0.8   | 0.02  | 0.4  | 3.4  |
| REP 11-JAM-332      | QC                               | <0.1 | 7.5   | 0.02  | 0.4  | 2.9  |
| 11-JAM-237          | Soil                             | 0.2  | 0.6   | 0.02  | 0.6  | 0.6  |
| REP 11-JAM-237      | QC                               |      |       |       |      |      |
| 11-JAM-218          | Soil                             | 0.6  | 2.9   | 0.07  | 0.6  | 1.4  |
| REP 11-JAM-218      | QC                               |      |       |       |      |      |
| 11-JAM-251          | Soil                             | <0.1 | 1.1   | <0.01 | 0.5  | 0.7  |
| REP 11-JAM-251      | QC                               | <0.1 | <0.5  | 0.01  | 0.6  | 0.8  |
| Reference Materials |                                  |      |       |       |      |      |
| STD DS8             | Standard                         | 1.7  | 156.0 | 0.24  | 5.1  | 5.2  |
| STD DS8             | Standard                         | 1.9  | 118.3 | 0.23  | 5.8  | 5.4  |
| STD DS8             | Standard                         | 2.1  | 116.8 | 0.23  | 6.0  | 5.5  |



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## QUALITY CONTROL REPORT

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|                    |          | 4B<br>Ba<br>ppm<br>1 | 4B<br>Be<br>ppm<br>1 | 4B<br>Co<br>ppm<br>0.2 | 4B<br>Cs<br>ppm<br>0.1 | 4B<br>Ga<br>ppm<br>0.5 | 4B<br>Hf<br>ppm<br>0.1 | 4B<br>Nb<br>ppm<br>0.1 | 4B<br>Rb<br>ppm<br>0.1 | 4B<br>Sn<br>ppm<br>1 | 4B<br>Sr<br>ppm<br>0.5 | 4B<br>Ta<br>ppm<br>0.1 | 4B<br>Th<br>ppm<br>0.2 | 4B<br>U<br>ppm<br>0.1 | 4B<br>V<br>ppm<br>8 | 4B<br>W<br>ppm<br>0.5 | 4B<br>Zr<br>ppm<br>0.1 | 4B<br>Y<br>ppm<br>0.1 | 4B<br>La<br>ppm<br>0.1 | 4B<br>Ce<br>ppm<br>0.1 | 4B<br>Pr<br>ppm<br>0.02 |
|--------------------|----------|----------------------|----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|----------------------|------------------------|------------------------|------------------------|-----------------------|---------------------|-----------------------|------------------------|-----------------------|------------------------|------------------------|-------------------------|
| STD DS8            | Standard |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD DS8            | Standard |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD DS8            | Standard |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD DS8            | Standard |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD DS8            | Standard |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD OREAS45CA      | Standard |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD OREAS45CA      | Standard |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD OREAS45CA      | Standard |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD OREAS45CA      | Standard |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD OREAS45CA      | Standard |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD OREAS45CA      | Standard |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD OREAS45CA      | Standard |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD SO-18          | Standard | 522                  | 1                    | 27.0                   | 6.8                    | 18.0                   | 9.4                    | 20.8                   | 28.1                   | 15                   | 405.0                  | 7.2                    | 10.0                   | 15.0                  | 202                 | 14.0                  | 287.4                  | 31.5                  | 12.7                   | 29.3                   | 3.54                    |
| STD SO-18          | Standard | 516                  | 1                    | 26.1                   | 7.0                    | 17.5                   | 9.2                    | 20.6                   | 28.3                   | 15                   | 398.9                  | 7.2                    | 10.8                   | 15.1                  | 206                 | 14.5                  | 288.5                  | 31.2                  | 12.7                   | 28.6                   | 3.41                    |
| STD SO-18          | Standard | 516                  | 1                    | 24.0                   | 7.0                    | 16.2                   | 8.7                    | 19.2                   | 27.3                   | 14                   | 397.3                  | 6.7                    | 10.0                   | 15.2                  | 184                 | 13.7                  | 279.1                  | 30.7                  | 12.4                   | 26.1                   | 3.35                    |
| STD SO-18          | Standard | 532                  | 2                    | 27.5                   | 7.3                    | 17.5                   | 9.4                    | 20.7                   | 29.0                   | 15                   | 413.7                  | 7.1                    | 11.0                   | 16.9                  | 202                 | 15.4                  | 297.2                  | 32.2                  | 13.0                   | 27.5                   | 3.47                    |
| STD SO-18          | Standard | 516                  | <1                   | 26.1                   | 6.9                    | 16.5                   | 9.2                    | 19.4                   | 26.9                   | 15                   | 418.0                  | 7.0                    | 10.5                   | 16.0                  | 207                 | 13.9                  | 274.2                  | 29.6                  | 12.0                   | 26.0                   | 3.40                    |
| STD SO-18          | Standard | 500                  | <1                   | 25.5                   | 6.5                    | 16.3                   | 8.9                    | 19.2                   | 26.6                   | 14                   | 376.2                  | 6.6                    | 10.8                   | 15.9                  | 204                 | 14.0                  | 264.4                  | 29.5                  | 11.5                   | 25.2                   | 3.24                    |
| STD SO-18          | Standard | 509                  | <1                   | 26.5                   | 6.9                    | 17.3                   | 9.6                    | 19.8                   | 27.0                   | 15                   | 398.1                  | 7.2                    | 10.5                   | 16.9                  | 211                 | 14.5                  | 283.3                  | 30.4                  | 12.3                   | 26.4                   | 3.42                    |
| STD SO-18          | Standard | 524                  | <1                   | 27.1                   | 7.0                    | 17.2                   | 10.0                   | 20.3                   | 27.7                   | 15                   | 403.1                  | 7.2                    | 10.9                   | 16.7                  | 211                 | 15.2                  | 288.2                  | 31.1                  | 12.2                   | 26.6                   | 3.51                    |
| STD SO-18          | Standard | 546                  | 1                    | 28.3                   | 7.4                    | 17.4                   | 9.8                    | 20.5                   | 28.3                   | 16                   | 416.4                  | 7.3                    | 10.9                   | 17.4                  | 221                 | 15.2                  | 291.8                  | 31.3                  | 12.6                   | 27.4                   | 3.59                    |
| STD SO-18          | Standard | 535                  | 1                    | 27.6                   | 7.2                    | 17.4                   | 9.8                    | 20.2                   | 28.2                   | 15                   | 410.4                  | 7.4                    | 10.7                   | 17.3                  | 218                 | 15.3                  | 291.7                  | 31.1                  | 12.5                   | 26.1                   | 3.51                    |
| STD SO-18          | Standard | 547                  | 2                    | 28.6                   | 7.3                    | 18.1                   | 10.1                   | 21.5                   | 28.9                   | 15                   | 440.9                  | 7.6                    | 11.6                   | 17.0                  | 217                 | 14.9                  | 297.7                  | 34.2                  | 13.7                   | 27.9                   | 3.73                    |
| STD SO-18          | Standard | 544                  | <1                   | 27.6                   | 7.3                    | 18.4                   | 9.6                    | 21.2                   | 28.8                   | 15                   | 431.9                  | 7.4                    | 11.6                   | 16.9                  | 233                 | 14.6                  | 295.1                  | 34.1                  | 13.7                   | 27.7                   | 3.68                    |
| STD SO-18          | Standard | 532                  | 1                    | 27.0                   | 7.2                    | 18.4                   | 10.0                   | 21.9                   | 29.2                   | 15                   | 422.6                  | 7.4                    | 10.3                   | 16.1                  | 209                 | 14.9                  | 304.1                  | 33.6                  | 12.6                   | 29.4                   | 3.53                    |
| STD SO-18          | Standard | 529                  | <1                   | 26.2                   | 7.3                    | 17.7                   | 9.6                    | 21.1                   | 28.6                   | 14                   | 410.6                  | 7.1                    | 10.4                   | 15.7                  | 202                 | 14.3                  | 293.9                  | 32.8                  | 12.4                   | 27.3                   | 3.39                    |
| STD SO-18 Expected |          | 514                  | 1                    | 26.2                   | 7.1                    | 17.6                   | 9.8                    | 21.3                   | 28.7                   | 15                   | 407.4                  | 7.4                    | 9.9                    | 16.4                  | 200                 | 14.8                  | 280                    | 31                    | 12.3                   | 27.1                   | 3.45                    |
| STD DS8 Expected   |          |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |



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Part 2

## QUALITY CONTROL REPORT

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|                    |          | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 1DX  | 1DX   | 1DX   | 1DX   | 1DX | 1DX   | 1DX  | 1DX  |
|--------------------|----------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-----|-------|------|------|
|                    |          | Nd   | Sm   | Eu   | Gd   | Tb   | Dy   | Ho   | Er   | Tm   | Yb   | Lu   | Mo    | Cu    | Pb    | Zn  | Ni    | As   | Cd   |
|                    |          | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm   | ppm   | ppm | ppm   | ppm  | ppm  |
|                    |          | 0.3  | 0.05 | 0.02 | 0.05 | 0.01 | 0.05 | 0.02 | 0.03 | 0.01 | 0.05 | 0.01 | 0.1   | 0.1   | 0.1   | 1   | 0.1   | 0.5  | 0.1  |
| STD DS8            | Standard |      |      |      |      |      |      |      |      |      |      |      | 12.6  | 113.6 | 128.0 | 337 | 39.7  | 27.5 | 2.3  |
| STD DS8            | Standard |      |      |      |      |      |      |      |      |      |      |      | 14.5  | 108.1 | 127.0 | 336 | 36.5  | 25.9 | 2.6  |
| STD DS8            | Standard |      |      |      |      |      |      |      |      |      |      |      | 15.7  | 114.1 | 138.2 | 328 | 40.9  | 25.2 | 2.3  |
| STD DS8            | Standard |      |      |      |      |      |      |      |      |      |      |      | 13.2  | 115.4 | 128.5 | 322 | 39.2  | 25.0 | 2.3  |
| STD DS8            | Standard |      |      |      |      |      |      |      |      |      |      |      | 13.0  | 113.0 | 121.5 | 308 | 38.2  | 26.0 | 2.6  |
| STD OREAS45CA      | Standard |      |      |      |      |      |      |      |      |      |      |      | 0.8   | 533.6 | 21.7  | 62  | 261.5 | 3.9  | 0.1  |
| STD OREAS45CA      | Standard |      |      |      |      |      |      |      |      |      |      |      | 0.8   | 559.8 | 24.3  | 66  | 269.5 | 3.8  | 0.2  |
| STD OREAS45CA      | Standard |      |      |      |      |      |      |      |      |      |      |      | 0.7   | 536.6 | 25.5  | 69  | 256.6 | 3.6  | 0.1  |
| STD OREAS45CA      | Standard |      |      |      |      |      |      |      |      |      |      |      | 0.9   | 529.2 | 24.6  | 65  | 253.3 | 3.9  | 0.1  |
| STD OREAS45CA      | Standard |      |      |      |      |      |      |      |      |      |      |      | 0.9   | 547.0 | 22.1  | 68  | 275.2 | 3.6  | 0.2  |
| STD OREAS45CA      | Standard |      |      |      |      |      |      |      |      |      |      |      | 0.8   | 522.9 | 21.6  | 64  | 265.0 | 3.3  | <0.1 |
| STD OREAS45CA      | Standard |      |      |      |      |      |      |      |      |      |      |      | 0.8   | 514.5 | 22.5  | 63  | 248.2 | 3.3  | <0.1 |
| STD OREAS45CA      | Standard |      |      |      |      |      |      |      |      |      |      |      | 0.9   | 503.8 | 20.5  | 63  | 252.6 | 3.1  | 0.1  |
| STD SO-18          | Standard | 14.1 | 3.07 | 0.92 | 3.08 | 0.52 | 3.01 | 0.67 | 1.90 | 0.29 | 1.86 | 0.28 |       |       |       |     |       |      |      |
| STD SO-18          | Standard | 14.1 | 2.99 | 0.92 | 3.04 | 0.52 | 3.20 | 0.66 | 1.96 | 0.28 | 1.85 | 0.28 |       |       |       |     |       |      |      |
| STD SO-18          | Standard | 13.3 | 2.81 | 0.85 | 2.81 | 0.49 | 2.73 | 0.62 | 1.75 | 0.27 | 1.63 | 0.27 |       |       |       |     |       |      |      |
| STD SO-18          | Standard | 13.7 | 2.99 | 0.91 | 2.94 | 0.51 | 3.10 | 0.64 | 1.89 | 0.28 | 1.80 | 0.28 |       |       |       |     |       |      |      |
| STD SO-18          | Standard | 13.7 | 2.95 | 0.90 | 3.00 | 0.51 | 3.10 | 0.65 | 1.85 | 0.27 | 1.89 | 0.28 |       |       |       |     |       |      |      |
| STD SO-18          | Standard | 13.5 | 2.80 | 0.84 | 2.85 | 0.48 | 2.96 | 0.61 | 1.81 | 0.26 | 1.74 | 0.27 |       |       |       |     |       |      |      |
| STD SO-18          | Standard | 13.4 | 2.96 | 0.91 | 2.97 | 0.50 | 3.12 | 0.65 | 1.85 | 0.28 | 1.83 | 0.28 |       |       |       |     |       |      |      |
| STD SO-18          | Standard | 13.9 | 2.98 | 0.93 | 2.98 | 0.52 | 3.12 | 0.67 | 1.97 | 0.29 | 1.94 | 0.29 |       |       |       |     |       |      |      |
| STD SO-18          | Standard | 14.7 | 3.10 | 0.94 | 3.13 | 0.54 | 3.19 | 0.67 | 2.04 | 0.29 | 1.90 | 0.29 |       |       |       |     |       |      |      |
| STD SO-18          | Standard | 14.1 | 3.01 | 0.93 | 3.07 | 0.52 | 3.16 | 0.67 | 1.91 | 0.28 | 1.93 | 0.28 |       |       |       |     |       |      |      |
| STD SO-18          | Standard | 14.9 | 3.05 | 0.96 | 3.03 | 0.55 | 3.14 | 0.72 | 1.92 | 0.30 | 1.80 | 0.29 |       |       |       |     |       |      |      |
| STD SO-18          | Standard | 14.2 | 3.06 | 0.96 | 3.08 | 0.56 | 3.25 | 0.70 | 2.02 | 0.28 | 1.86 | 0.30 |       |       |       |     |       |      |      |
| STD SO-18          | Standard | 14.1 | 3.09 | 0.93 | 3.14 | 0.53 | 3.01 | 0.65 | 1.92 | 0.31 | 1.86 | 0.28 |       |       |       |     |       |      |      |
| STD SO-18          | Standard | 14.4 | 3.03 | 0.91 | 3.05 | 0.50 | 3.06 | 0.62 | 1.86 | 0.30 | 1.83 | 0.27 |       |       |       |     |       |      |      |
| STD SO-18 Expected |          | 14   | 3    | 0.89 | 2.93 | 0.53 | 3    | 0.62 | 1.84 | 0.27 | 1.79 | 0.27 |       |       |       |     |       |      |      |
| STD DS8 Expected   |          |      |      |      |      |      |      |      |      |      |      |      | 13.44 | 110   | 123   | 312 | 38.1  | 26   | 2.38 |
|                    |          |      |      |      |      |      |      |      |      |      |      |      |       |       |       |     |       | 4.8  | 6.67 |



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537 Kenneth Street

Victoria BC V8Z 2B6 Canada

**Project:** TING PROP C

**Report Date:** August 31, 2011

**Page:** 2 of 3 **Part** 3

## QUALITY CONTROL REPORT

VAN11003254.1

|                    |          | 1DX<br>Ag<br>ppm<br>0.1 | 1DX<br>Au<br>ppb<br>0.5 | 1DX<br>Hg<br>ppm<br>0.01 | 1DX<br>Tl<br>ppm<br>0.1 | 1DX<br>Se<br>ppm<br>0.5 |
|--------------------|----------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|
| STD DS8            | Standard | 2.1                     | 106.0                   | 0.22                     | 5.7                     | 6.0                     |
| STD DS8            | Standard | 2.4                     | 114.5                   | 0.23                     | 5.8                     | 5.7                     |
| STD DS8            | Standard | 1.8                     | 94.6                    | 0.20                     | 5.5                     | 6.0                     |
| STD DS8            | Standard | 1.6                     | 109.4                   | 0.20                     | 5.7                     | 5.2                     |
| STD DS8            | Standard | 1.8                     | 92.3                    | 0.21                     | 5.4                     | 5.3                     |
| STD OREAS45CA      | Standard | 0.3                     | 42.0                    | 0.03                     | <0.1                    | <0.5                    |
| STD OREAS45CA      | Standard | 0.3                     | 43.4                    | 0.04                     | 0.1                     | 0.7                     |
| STD OREAS45CA      | Standard | 0.3                     | 48.9                    | 0.04                     | <0.1                    | 0.7                     |
| STD OREAS45CA      | Standard | 0.3                     | 44.7                    | 0.04                     | <0.1                    | <0.5                    |
| STD OREAS45CA      | Standard | 0.3                     | 41.9                    | 0.04                     | <0.1                    | 0.5                     |
| STD OREAS45CA      | Standard | 0.3                     | 35.1                    | 0.04                     | <0.1                    | <0.5                    |
| STD OREAS45CA      | Standard | 0.3                     | 35.9                    | 0.03                     | <0.1                    | <0.5                    |
| STD OREAS45CA      | Standard | 0.3                     | 36.5                    | 0.03                     | <0.1                    | 0.5                     |
| STD SO-18          | Standard |                         |                         |                          |                         |                         |
| STD SO-18          | Standard |                         |                         |                          |                         |                         |
| STD SO-18          | Standard |                         |                         |                          |                         |                         |
| STD SO-18          | Standard |                         |                         |                          |                         |                         |
| STD SO-18          | Standard |                         |                         |                          |                         |                         |
| STD SO-18          | Standard |                         |                         |                          |                         |                         |
| STD SO-18          | Standard |                         |                         |                          |                         |                         |
| STD SO-18          | Standard |                         |                         |                          |                         |                         |
| STD SO-18          | Standard |                         |                         |                          |                         |                         |
| STD SO-18          | Standard |                         |                         |                          |                         |                         |
| STD SO-18          | Standard |                         |                         |                          |                         |                         |
| STD SO-18          | Standard |                         |                         |                          |                         |                         |
| STD SO-18          | Standard |                         |                         |                          |                         |                         |
| STD SO-18          | Standard |                         |                         |                          |                         |                         |
| STD SO-18 Expected |          |                         |                         |                          |                         |                         |
| STD DS8 Expected   |          | 1.69                    | 107                     | 0.192                    | 5.4                     | 5.23                    |



Acme Analytical Laboratories (Vancouver) Ltd.

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Project: TING PROP C

Report Date: August 31, 2011

Page: 3 of 3 Part 1

## QUALITY CONTROL REPORT

VAN11003254.1

|                        |       | 4B<br>Ba<br>ppm<br>1 | 4B<br>Be<br>ppm<br>1 | 4B<br>Co<br>ppm<br>0.2 | 4B<br>Cs<br>ppm<br>0.1 | 4B<br>Ga<br>ppm<br>0.5 | 4B<br>Hf<br>ppm<br>0.1 | 4B<br>Nb<br>ppm<br>0.1 | 4B<br>Rb<br>ppm<br>0.1 | 4B<br>Sn<br>ppm<br>1 | 4B<br>Sr<br>ppm<br>0.5 | 4B<br>Ta<br>ppm<br>0.1 | 4B<br>Th<br>ppm<br>0.2 | 4B<br>U<br>ppm<br>0.1 | 4B<br>V<br>ppm<br>8 | 4B<br>W<br>ppm<br>0.5 | 4B<br>Zr<br>ppm<br>0.1 | 4B<br>Y<br>ppm<br>0.1 | 4B<br>La<br>ppm<br>0.1 | 4B<br>Ce<br>ppm<br>0.1 | 4B<br>Pr<br>ppm<br>0.02 |
|------------------------|-------|----------------------|----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|----------------------|------------------------|------------------------|------------------------|-----------------------|---------------------|-----------------------|------------------------|-----------------------|------------------------|------------------------|-------------------------|
| STD OREAS45CA Expected |       |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| BLK                    | Blank |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| BLK                    | Blank | <1                   | <1                   | <0.2                   | <0.1                   | <0.5                   | <0.1                   | <0.1                   | <0.1                   | <1                   | <0.5                   | <0.1                   | <0.2                   | <0.1                  | <8                  | <0.5                  | <0.1                   | <0.1                  | <0.1                   | <0.1                   | <0.02                   |
| BLK                    | Blank | <1                   | <1                   | <0.2                   | <0.1                   | <0.5                   | <0.1                   | <0.1                   | <0.1                   | <1                   | <0.5                   | <0.1                   | <0.2                   | <0.1                  | <8                  | <0.5                  | <0.1                   | <0.1                  | <0.1                   | <0.1                   | <0.02                   |
| BLK                    | Blank | <1                   | <1                   | <0.2                   | <0.1                   | <0.5                   | <0.1                   | <0.1                   | <0.1                   | <1                   | <0.5                   | <0.1                   | <0.2                   | <0.1                  | <8                  | <0.5                  | <0.1                   | <0.1                  | <0.1                   | <0.1                   | <0.02                   |
| BLK                    | Blank | <1                   | <1                   | <0.2                   | <0.1                   | <0.5                   | <0.1                   | <0.1                   | <0.1                   | <1                   | <0.5                   | <0.1                   | <0.2                   | <0.1                  | <8                  | <0.5                  | <0.1                   | <0.1                  | <0.1                   | <0.1                   | <0.02                   |
| BLK                    | Blank | <1                   | <1                   | <0.2                   | <0.1                   | <0.5                   | <0.1                   | <0.1                   | <0.1                   | <1                   | <0.5                   | <0.1                   | <0.2                   | <0.1                  | <8                  | <0.5                  | <0.1                   | <0.1                  | <0.1                   | <0.1                   | <0.02                   |
| BLK                    | Blank | <1                   | <1                   | <0.2                   | <0.1                   | <0.5                   | <0.1                   | <0.1                   | <0.1                   | <1                   | <0.5                   | <0.1                   | <0.2                   | <0.1                  | <8                  | <0.5                  | <0.1                   | <0.1                  | <0.1                   | <0.1                   | <0.02                   |
| BLK                    | Blank | <1                   | <1                   | <0.2                   | <0.1                   | <0.5                   | <0.1                   | <0.1                   | <0.1                   | <1                   | <0.5                   | <0.1                   | <0.2                   | <0.1                  | <8                  | <0.5                  | 0.8                    | <0.1                  | <0.1                   | <0.1                   | <0.02                   |
| BLK                    | Blank |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| BLK                    | Blank |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| BLK                    | Blank |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| BLK                    | Blank |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| BLK                    | Blank |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| BLK                    | Blank |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| BLK                    | Blank |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |



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537 Kenneth Street

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Project: TING PROP C

Report Date: August 31, 2011

Page: 3 of 3 Part 2

## QUALITY CONTROL REPORT

VAN11003254.1

|                        |       | 4B   | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 1DX   | 1DX  | 1DX  | 1DX  | 1DX | 1DX  | 1DX  | 1DX  |
|------------------------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|-----|------|------|------|
|                        |       | Nd   | Sm    | Eu    | Gd    | Tb    | Dy    | Ho    | Er    | Tm    | Yb    | Lu    | Mo   | Cu   | Pb   | Zn  | Ni   | As   | Cd   |
|                        |       | ppm  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm  | ppm  | ppm  | ppm | ppm  | ppm  | ppm  |
|                        |       | 0.3  | 0.05  | 0.02  | 0.05  | 0.01  | 0.05  | 0.02  | 0.03  | 0.01  | 0.05  | 0.01  | 0.1  | 0.1  | 0.1  | 1   | 0.1  | 0.5  | 0.1  |
| STD OREAS45CA Expected |       |      |       |       |       |       |       |       |       |       |       |       | 1    | 494  | 20   | 60  | 240  | 3.8  | 0.1  |
| BLK                    | Blank |      |       |       |       |       |       |       |       |       |       |       | <0.1 | <0.1 | <0.1 | <1  | <0.1 | <0.5 | <0.1 |
| BLK                    | Blank | <0.3 | <0.05 | <0.02 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 |      |      |      |     |      |      |      |
| BLK                    | Blank | <0.3 | <0.05 | <0.02 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 |      |      |      |     |      |      |      |
| BLK                    | Blank | <0.3 | <0.05 | <0.02 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 |      |      |      |     |      |      |      |
| BLK                    | Blank | <0.3 | <0.05 | <0.02 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 |      |      |      |     |      |      |      |
| BLK                    | Blank | <0.3 | <0.05 | <0.02 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 |      |      |      |     |      |      |      |
| BLK                    | Blank | <0.3 | <0.05 | <0.02 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 |      |      |      |     |      |      |      |
| BLK                    | Blank | <0.3 | <0.05 | <0.02 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 |      |      |      |     |      |      |      |
| BLK                    | Blank | <0.3 | <0.05 | <0.02 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 | <0.1 | <0.1 | <0.1 | <1  | <0.1 | <0.5 | <0.1 |
| BLK                    | Blank |      |       |       |       |       |       |       |       |       |       |       | <0.1 | <0.1 | <0.1 | <1  | <0.1 | <0.5 | <0.1 |
| BLK                    | Blank |      |       |       |       |       |       |       |       |       |       |       | <0.1 | <0.1 | <0.1 | <1  | <0.1 | <0.5 | <0.1 |
| BLK                    | Blank |      |       |       |       |       |       |       |       |       |       |       | <0.1 | <0.1 | <0.1 | <1  | <0.1 | <0.5 | <0.1 |
| BLK                    | Blank |      |       |       |       |       |       |       |       |       |       |       | <0.1 | <0.1 | <0.1 | <1  | <0.1 | <0.5 | <0.1 |
| BLK                    | Blank |      |       |       |       |       |       |       |       |       |       |       | <0.1 | <0.1 | <0.1 | <1  | <0.1 | <0.5 | <0.1 |
| BLK                    | Blank |      |       |       |       |       |       |       |       |       |       |       | <0.1 | <0.1 | <0.1 | <1  | <0.1 | <0.5 | <0.1 |
| BLK                    | Blank |      |       |       |       |       |       |       |       |       |       |       | <0.1 | <0.1 | <0.1 | <1  | <0.1 | <0.5 | <0.1 |



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**Project:** TING PROP C

**Report Date:** August 31, 2011

**Page:** 3 of 3 **Part** 3

## QUALITY CONTROL REPORT

VAN11003254.1

|                        |       | 1DX<br>Ag<br>ppm<br>0.1 | 1DX<br>Au<br>ppb<br>0.5 | 1DX<br>Hg<br>ppm<br>0.01 | 1DX<br>Tl<br>ppm<br>0.1 | 1DX<br>Se<br>ppm<br>0.5 |
|------------------------|-------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|
| STD OREAS45CA Expected |       | 0.275                   | 43                      | 0.03                     | 0.07                    | 0.5                     |
| BLK                    | Blank | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| BLK                    | Blank |                         |                         |                          |                         |                         |
| BLK                    | Blank |                         |                         |                          |                         |                         |
| BLK                    | Blank |                         |                         |                          |                         |                         |
| BLK                    | Blank |                         |                         |                          |                         |                         |
| BLK                    | Blank |                         |                         |                          |                         |                         |
| BLK                    | Blank |                         |                         |                          |                         |                         |
| BLK                    | Blank |                         |                         |                          |                         |                         |
| BLK                    | Blank | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| BLK                    | Blank | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| BLK                    | Blank | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| BLK                    | Blank | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| BLK                    | Blank | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| BLK                    | Blank | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| BLK                    | Blank | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |



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**Client:** Mackevoy Geosciences

537 Kenneth Street  
Victoria BC V8Z 2B6 Canada

Submitted By: Allison Brand

Receiving Lab: Canada-Vancouver

Received: July 18, 2011

Report Date: August 23, 2011

Page: 1 of 3

## CERTIFICATE OF ANALYSIS

VAN11003256.1

### CLIENT JOB INFORMATION

Project: TING PROP C  
Shipment ID: Greyhound51737223543  
P.O. Number  
Number of Samples: 44

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                                  | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|---------------------------------------------------|--------------|---------------|-----|
| R200-250    | 44                | Crush, split and pulverize 250 g rock to 200 mesh |              |               | VAN |
| 4B02        | 44                | LiBO2/Li2B4O7 fusion ICP-MS analysis              | 0.2          | Completed     | VAN |

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT Store After 90 days Invoice for Storage

### 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: Harsbo Minerals Ltd.  
4758 Victory Street  
Burnaby BC V5J 1S2  
Canada

CC: David Turner  
Lee A. Groat  
Thomas Hasek  
Michael Burns



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



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Project: TING PROP C  
Report Date: August 23, 2011

Page: 2 of 3 Part 1

## CERTIFICATE OF ANALYSIS

VAN11003256.1

|             | Method<br>Analyte<br>Unit<br>MDL | WGHT | 4B    | 4B  | 4B   | 4B   | 4B    | 4B   | 4B    | 4B    | 4B  | 4B    | 4B   | 4B    | 4B    | 4B   | 4B    | 4B    | 4B    | 4B    |
|-------------|----------------------------------|------|-------|-----|------|------|-------|------|-------|-------|-----|-------|------|-------|-------|------|-------|-------|-------|-------|
|             |                                  | Wgt  | Ba    | Be  | Co   | Cs   | Ga    | Hf   | Nb    | Rb    | Sn  | Sr    | Ta   | Th    | U     | V    | W     | Zr    | Y     | La    |
|             |                                  | kg   | ppm   | ppm | ppm  | ppm  | ppm   | ppm  | ppm   | ppm   | ppm | ppm   | ppm  | ppm   | ppm   | ppm  | ppm   | ppm   | ppm   | ppm   |
|             |                                  | 0.01 | 1     | 1   | 0.2  | 0.1  | 0.5   | 0.1  | 0.1   | 0.1   | 1   | 0.5   | 0.1  | 0.2   | 0.1   | 8    | 0.5   | 0.1   | 0.1   | 0.1   |
| 11-AAB-0292 | Rock                             | 1.42 | 1320  | 10  | 3.2  | 2.0  | 12.5  | 6.7  | 31.0  | 68.2  | 2   | 151.6 | 0.6  | 10.2  | 4.5   | 72   | 8.8   | 210.1 | 18.4  | 42.5  |
| 11-AAB-0291 | Rock                             | 1.42 | 1182  | 2   | 5.6  | 10.1 | 19.9  | 11.2 | 271.6 | 212.1 | 2   | 739.4 | 14.4 | 38.2  | 7.0   | 80   | 3.4   | 548.0 | 32.2  | 203.9 |
| 11-AAB-0293 | Rock                             | 1.43 | 1654  | 12  | 1.6  | 10.2 | 19.1  | 9.8  | 223.1 | 113.6 | 6   | 396.0 | 12.9 | 43.5  | 11.1  | 120  | 31.9  | 510.7 | 28.3  | 171.6 |
| 11-MGB-258  | Rock                             | 1.19 | 1931  | 7   | 10.0 | 6.7  | 20.7  | 8.6  | 194.7 | 202.6 | 2   | 1358  | 11.4 | 42.1  | 10.5  | 67   | 2.4   | 460.0 | 29.4  | 160.9 |
| 11-MGB-259  | Rock                             | 0.64 | 1456  | 7   | 3.1  | 2.9  | 18.5  | 15.4 | 110.9 | 239.2 | 2   | 79.8  | 5.1  | 29.7  | 6.8   | 100  | 3.5   | 807.9 | 20.5  | 37.1  |
| 11-MGB-291  | Rock                             | 0.53 | 627   | <1  | 1.5  | 0.6  | 4.3   | 0.8  | 1.7   | 48.5  | <1  | 32.9  | <0.1 | 2.4   | 0.7   | 19   | <0.5  | 39.6  | 2.5   | 8.8   |
| 11-MGB-295  | Drill Core                       | 5.78 | 16    | 4   | 6.8  | 3.4  | 13.1  | 2.2  | 9.7   | 29.0  | 68  | 41.0  | 0.8  | 9.9   | 7.1   | 35   | 417.1 | 63.1  | 12.7  | 17.2  |
| 11-MGB-292  | Rock                             | 1.74 | 6     | <1  | <0.2 | 0.1  | 0.6   | 0.1  | 0.3   | 1.0   | <1  | 0.8   | <0.1 | 0.2   | 0.1   | <8   | <0.5  | 2.3   | 0.3   | 0.6   |
| 11-MGB-264  | Rock                             | 3.60 | 130   | 32  | 1.8  | 15.4 | 55.8  | 70.3 | 921.1 | 327.8 | 20  | 131.1 | 21.9 | 736.1 | 39.2  | 15   | 37.8  | 4529  | 91.2  | 455.8 |
| 11-MGB-283  | Rock                             | 1.01 | 15    | 30  | 3.7  | 1.1  | 16.0  | 1.6  | 22.1  | 12.9  | 16  | 27.0  | 15.7 | 7.7   | 4.1   | 18   | 0.6   | 40.9  | 12.3  | 22.2  |
| 11-MGB-262  | Rock                             | 1.72 | 1443  | 4   | 8.6  | 5.3  | 19.6  | 8.2  | 196.0 | 185.6 | 2   | 1200  | 11.0 | 45.8  | 8.7   | 64   | 3.6   | 460.8 | 25.9  | 151.9 |
| 11-MGB-268  | Rock                             | 6.25 | 422   | 68  | 2.1  | 3.3  | 117.7 | 50.7 | 457.1 | 121.6 | 10  | 161.6 | 6.3  | 8589  | 116.1 | 1681 | 44.6  | 3928  | 110.3 | 489.5 |
| 11-MGB-266  | Rock                             | 1.10 | 355   | 13  | 1.6  | 4.2  | 28.5  | 10.8 | 201.4 | 437.2 | 7   | 167.7 | 9.8  | 109.8 | 32.2  | 11   | 8.1   | 519.4 | 23.1  | 135.3 |
| 11-MGB-270  | Rock                             | 3.48 | 907   | 217 | 1.8  | 2.5  | 24.5  | 7.3  | 198.9 | 63.8  | 6   | 193.5 | 1.2  | 617.9 | 23.9  | 2149 | 9.7   | 590.8 | 52.1  | 167.4 |
| 11-MGB-267  | Rock                             | 3.34 | 2397  | 74  | 0.2  | 1.2  | 31.5  | 8.6  | 268.1 | 69.6  | 8   | 107.1 | 15.0 | 1470  | 15.5  | 123  | 23.3  | 256.1 | 189.5 | 1643  |
| 11-MGB-260  | Rock                             | 1.12 | 128   | 5   | 0.7  | 9.8  | 17.6  | 7.4  | 204.1 | 212.1 | 2   | 139.1 | 13.9 | 45.4  | 8.2   | 24   | 7.1   | 413.0 | 18.6  | 111.9 |
| 11-MGB-263  | Rock                             | 1.05 | 1440  | 4   | 6.2  | 10.0 | 23.8  | 11.5 | 211.4 | 237.5 | 3   | 973.6 | 11.3 | 45.8  | 11.6  | 48   | 6.6   | 735.5 | 26.0  | 145.6 |
| 11-MGB-287  | Rock                             | 0.90 | 759   | <1  | 43.1 | 5.9  | 20.4  | 5.4  | 31.6  | 36.6  | 2   | 123.7 | 1.4  | 6.0   | 0.8   | 276  | 0.5   | 192.2 | 20.5  | 22.8  |
| 11-MGB-269  | Rock                             | 2.20 | 285   | 22  | 0.6  | 64.6 | 28.5  | 1.3  | 97.4  | 2018  | <1  | 94.3  | <0.1 | 44.6  | 10.9  | 79   | 0.7   | 117.5 | 23.8  | 25.0  |
| 11-MGB-288  | Rock                             | 2.23 | 597   | 2   | 28.6 | 1.4  | 21.5  | 7.3  | 46.1  | 33.7  | 2   | 290.6 | 2.7  | 9.4   | 2.0   | 216  | 2.9   | 274.5 | 32.7  | 36.2  |
| 11-MGB-290  | Rock                             | 2.88 | 720   | 1   | 34.3 | 2.2  | 15.7  | 5.5  | 26.5  | 82.1  | 2   | 229.4 | 1.5  | 5.1   | 2.4   | 225  | 2.4   | 193.4 | 22.4  | 24.6  |
| 11-MGB-289  | Rock                             | 1.51 | 754   | 2   | 34.7 | 5.2  | 22.5  | 6.5  | 36.7  | 106.3 | 2   | 182.4 | 2.6  | 10.5  | 3.4   | 132  | 2.3   | 232.3 | 30.9  | 47.2  |
| 11-AAB-0294 | Rock                             | 1.53 | 16088 | 6   | 1.5  | 6.8  | 21.3  | 16.5 | 350.3 | 422.4 | 6   | 285.7 | 14.8 | 98.6  | 15.1  | 123  | 25.4  | 1002  | 31.8  | 138.2 |
| 11-AAB-0297 | Rock                             | 1.03 | 36    | 7   | <0.2 | 7.0  | 37.2  | 12.1 | 152.5 | 395.6 | 2   | 8.8   | 4.1  | 59.7  | 18.7  | <8   | 7.7   | 805.9 | 9.1   | 59.5  |
| 11-AAB-0298 | Rock                             | 0.99 | 127   | 3   | 0.4  | 4.2  | 35.2  | 7.2  | 92.8  | 345.1 | 2   | 12.1  | 3.0  | 30.8  | 18.8  | <8   | 2.2   | 418.3 | 6.4   | 40.3  |
| 11-AAB-0290 | Rock                             | 1.27 | 2235  | 10  | 0.6  | 7.7  | 36.0  | 23.4 | 465.3 | 426.3 | 5   | 71.0  | 24.4 | 129.8 | 60.2  | 22   | 24.9  | 1214  | 26.3  | 120.5 |
| 11-AAB-0295 | Rock                             | 2.19 | 5114  | 14  | 2.2  | 2.1  | 60.4  | 44.3 | 501.3 | 237.7 | 8   | 245.0 | 10.6 | 329.3 | 55.6  | 22   | 5.2   | 3124  | 38.7  | 243.4 |
| 11-AAB-338  | Rock                             | 1.72 | 2331  | 3   | 20.9 | 1.7  | 15.3  | 2.7  | 13.9  | 42.3  | 1   | 693.3 | 0.8  | 9.4   | 2.4   | 152  | 1.0   | 108.4 | 16.0  | 26.0  |
| 11-AAB-345  | Rock                             | 1.29 | 803   | 3   | 9.3  | 3.0  | 18.9  | 3.5  | 14.4  | 93.7  | <1  | 553.6 | 1.1  | 11.6  | 2.9   | 87   | 0.7   | 131.4 | 14.9  | 29.0  |
| 11-AAB-333  | Rock                             | 1.34 | 1884  | <1  | 2.8  | 0.2  | 6.3   | 6.6  | 5.6   | 3.6   | <1  | 19.9  | 0.5  | 4.5   | 1.5   | 57   | 0.5   | 264.4 | 18.1  | 15.8  |



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Project: TING PROP C

Report Date: August 23, 2011

Page: 2 of 3 Part 2

## CERTIFICATE OF ANALYSIS

VAN11003256.1

|             | Method<br>Analyte<br>Unit<br>MDL | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 1DX   | 1DX   | 1DX   | 1DX  | 1DX   | 1DX   | 1DX  |
|-------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|-------|------|
|             |                                  | Pr    | Nd    | Sm    | Eu    | Gd    | Tb    | Dy    | Ho    | Er    | Tm    | Yb    | Lu    | Mo    | Cu    | Pb    | Zn   | Ni    | As    | Cd   |
|             |                                  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm  | ppm   | ppm   | ppm  |
|             |                                  | 0.02  | 0.3   | 0.05  | 0.02  | 0.05  | 0.01  | 0.05  | 0.02  | 0.03  | 0.01  | 0.05  | 0.01  | 0.1   | 0.1   | 0.1   | 1    | 0.1   | 0.5   | 0.1  |
| 11-AAB-0292 | Rock                             | 7.64  | 21.7  | 4.20  | 0.93  | 3.38  | 0.54  | 3.05  | 0.56  | 1.69  | 0.27  | 1.64  | 0.26  | 33.0  | 9.4   | 127.2 | 685  | 15.6  | 10.3  | 6.4  |
| 11-AAB-0291 | Rock                             | 33.63 | 94.0  | 12.50 | 3.23  | 8.26  | 1.28  | 6.21  | 1.20  | 3.34  | 0.51  | 3.27  | 0.49  | 6.3   | 6.8   | 24.4  | 78   | 9.1   | 2.7   | 0.4  |
| 11-AAB-0293 | Rock                             | 28.39 | 80.8  | 10.65 | 1.66  | 6.85  | 1.02  | 4.93  | 1.01  | 2.49  | 0.45  | 2.52  | 0.41  | 934.8 | 6.0   | 13.7  | 49   | 6.5   | 10.7  | 0.7  |
| 11-MGB-258  | Rock                             | 28.02 | 81.4  | 11.55 | 3.24  | 7.54  | 1.15  | 6.09  | 1.07  | 2.93  | 0.45  | 2.61  | 0.42  | 0.8   | 12.1  | 10.2  | 62   | 14.0  | 2.6   | 0.3  |
| 11-MGB-259  | Rock                             | 5.44  | 14.8  | 2.91  | 0.42  | 2.50  | 0.47  | 2.79  | 0.65  | 2.31  | 0.40  | 2.96  | 0.47  | 0.9   | 1.6   | 28.8  | 52   | 4.1   | 2.3   | 0.3  |
| 11-MGB-291  | Rock                             | 1.78  | 6.2   | 0.88  | 0.23  | 0.60  | 0.11  | 0.60  | 0.10  | 0.26  | 0.04  | 0.28  | 0.04  | 1.1   | 3.3   | 1.1   | 11   | 0.4   | 0.6   | <0.1 |
| 11-MGB-295  | Drill Core                       | 3.64  | 12.8  | 2.71  | 0.54  | 2.26  | 0.39  | 2.15  | 0.42  | 1.21  | 0.19  | 1.41  | 0.20  | 12.2  | 133.8 | 2.3   | 23   | 0.8   | 20.8  | <0.1 |
| 11-MGB-292  | Rock                             | 0.11  | 0.4   | 0.09  | <0.02 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 | 1.4   | 1.4   | 11.9  | <1   | 0.7   | 0.5   | <0.1 |
| 11-MGB-264  | Rock                             | 34.02 | 68.0  | 7.89  | 1.22  | 6.23  | 1.41  | 9.38  | 2.42  | 8.16  | 1.57  | 11.42 | 1.82  | 16.6  | 3.1   | 2129  | 503  | 0.5   | 3.7   | 5.3  |
| 11-MGB-283  | Rock                             | 5.30  | 18.4  | 3.45  | 0.31  | 2.72  | 0.45  | 2.24  | 0.46  | 1.45  | 0.21  | 1.31  | 0.18  | 1.1   | 2.0   | <0.1  | 1    | 0.9   | <0.5  | <0.1 |
| 11-MGB-262  | Rock                             | 25.84 | 82.1  | 10.67 | 2.82  | 6.81  | 1.06  | 5.02  | 1.00  | 2.53  | 0.39  | 2.75  | 0.39  | 3.1   | 9.7   | 13.9  | 42   | 11.7  | 2.0   | 0.1  |
| 11-MGB-268  | Rock                             | 28.89 | 57.9  | 7.27  | 1.24  | 6.46  | 1.55  | 10.63 | 2.88  | 10.99 | 2.14  | 15.09 | 2.39  | 585.2 | 22.2  | 154.4 | 998  | 131.1 | 347.5 | 17.0 |
| 11-MGB-266  | Rock                             | 16.37 | 45.7  | 6.28  | 0.79  | 3.76  | 0.71  | 3.67  | 0.80  | 2.50  | 0.47  | 3.25  | 0.50  | 19.6  | 1.1   | 20.9  | 48   | 0.3   | 5.5   | 0.8  |
| 11-MGB-270  | Rock                             | 12.15 | 27.8  | 3.88  | 0.75  | 3.56  | 0.75  | 4.37  | 1.09  | 3.79  | 0.61  | 4.58  | 0.78  | 37.9  | 93.6  | 154.2 | 2910 | 271.5 | 111.9 | 21.7 |
| 11-MGB-267  | Rock                             | 78.42 | 163.9 | 22.82 | 4.62  | 17.82 | 4.27  | 25.84 | 6.01  | 19.86 | 3.33  | 21.71 | 3.26  | 1.6   | 8.0   | 768.7 | 652  | 7.9   | 100.8 | 6.1  |
| 11-MGB-260  | Rock                             | 18.78 | 52.4  | 6.49  | 1.21  | 3.90  | 0.67  | 3.34  | 0.66  | 1.98  | 0.28  | 1.95  | 0.30  | 5.3   | 1.7   | 22.9  | 59   | 1.0   | 4.0   | 0.4  |
| 11-MGB-263  | Rock                             | 23.08 | 69.6  | 9.51  | 2.43  | 5.95  | 0.96  | 4.52  | 0.91  | 2.60  | 0.37  | 2.68  | 0.44  | 3.5   | 6.3   | 89.7  | 76   | 6.8   | 2.9   | 0.4  |
| 11-MGB-287  | Rock                             | 5.83  | 26.2  | 5.15  | 1.71  | 4.85  | 0.79  | 4.45  | 0.79  | 1.85  | 0.30  | 1.86  | 0.30  | 0.2   | 50.4  | 3.8   | 74   | 94.9  | 1.0   | <0.1 |
| 11-MGB-269  | Rock                             | 2.09  | 5.4   | 0.71  | 0.13  | 0.74  | 0.19  | 1.20  | 0.38  | 1.54  | 0.28  | 2.26  | 0.35  | 0.8   | 0.4   | 12.9  | 313  | 14.0  | 1.8   | 0.5  |
| 11-MGB-288  | Rock                             | 9.61  | 37.5  | 7.91  | 2.45  | 7.23  | 1.27  | 6.10  | 1.21  | 3.14  | 0.46  | 2.73  | 0.44  | 0.3   | 113.2 | 3.1   | 57   | 33.0  | 1.1   | <0.1 |
| 11-MGB-290  | Rock                             | 6.80  | 26.7  | 5.60  | 1.45  | 5.33  | 0.88  | 4.53  | 0.90  | 2.34  | 0.32  | 1.97  | 0.31  | 3.6   | 70.4  | 3.0   | 57   | 76.8  | 1.4   | 0.3  |
| 11-MGB-289  | Rock                             | 10.91 | 41.8  | 7.47  | 1.80  | 6.07  | 1.04  | 5.29  | 1.13  | 3.23  | 0.48  | 2.80  | 0.49  | 0.7   | 29.2  | 5.0   | 33   | 33.6  | <0.5  | <0.1 |
| 11-AAB-0294 | Rock                             | 19.92 | 54.6  | 7.72  | 1.12  | 5.14  | 0.94  | 4.84  | 1.11  | 3.31  | 0.54  | 3.86  | 0.63  | 3.4   | 9.2   | 22.3  | 111  | 8.6   | 8.4   | 2.4  |
| 11-AAB-0297 | Rock                             | 3.77  | 8.6   | 0.78  | 0.13  | 0.48  | 0.15  | 0.95  | 0.26  | 1.04  | 0.22  | 1.83  | 0.37  | 2.4   | 1.3   | 21.9  | 35   | 2.1   | 8.4   | 0.4  |
| 11-AAB-0298 | Rock                             | 3.87  | 8.8   | 0.95  | 0.16  | 0.69  | 0.14  | 0.83  | 0.23  | 0.71  | 0.13  | 1.05  | 0.22  | 1.1   | 0.9   | 8.9   | 28   | 1.2   | 1.9   | 0.2  |
| 11-AAB-0290 | Rock                             | 16.02 | 43.8  | 5.28  | 0.58  | 3.02  | 0.65  | 3.63  | 0.86  | 3.00  | 0.52  | 4.13  | 0.74  | 24.1  | 5.9   | 25.0  | 33   | 1.1   | 7.8   | 0.5  |
| 11-AAB-0295 | Rock                             | 13.49 | 24.6  | 2.70  | 0.59  | 2.28  | 0.51  | 3.58  | 0.98  | 3.82  | 0.75  | 5.24  | 0.92  | 31.8  | 36.5  | 2.8   | 959  | 8.3   | 58.5  | 23.8 |
| 11-AAB-338  | Rock                             | 5.52  | 19.1  | 3.72  | 1.13  | 3.30  | 0.54  | 3.00  | 0.61  | 1.79  | 0.26  | 1.50  | 0.28  | 1.0   | 22.9  | 1.9   | 40   | 52.4  | <0.5  | <0.1 |
| 11-AAB-345  | Rock                             | 6.19  | 22.7  | 3.89  | 1.05  | 2.97  | 0.51  | 2.60  | 0.53  | 1.43  | 0.24  | 1.54  | 0.27  | <0.1  | 8.7   | 11.5  | 37   | 7.6   | 0.5   | <0.1 |
| 11-AAB-333  | Rock                             | 3.90  | 13.5  | 2.70  | 0.55  | 2.54  | 0.49  | 2.56  | 0.59  | 1.82  | 0.28  | 1.76  | 0.30  | 0.1   | 12.2  | 6.9   | 58   | 15.9  | 1.1   | <0.1 |



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**Project:** TING PROP C  
**Report Date:** August 23, 2011

**Page:** 2 of 3      **Part** 3

## CERTIFICATE OF ANALYSIS

VAN11003256.1

|             | Method<br>Analyte | Unit<br>MDL | 1DX  | 1DX  | 1DX  | 1DX   | 1DX  | 1DX  |
|-------------|-------------------|-------------|------|------|------|-------|------|------|
|             |                   |             | Bi   | Ag   | Au   | Hg    | Tl   | Se   |
|             |                   |             | ppm  | ppm  | ppb  | ppm   | ppm  | ppm  |
|             |                   |             | 0.1  | 0.1  | 0.5  | 0.01  | 0.1  | 0.5  |
| 11-AAB-0292 | Rock              |             | 0.2  | 0.5  | 0.7  | <0.01 | <0.1 | 0.7  |
| 11-AAB-0291 | Rock              |             | 0.2  | <0.1 | 0.6  | <0.01 | 0.3  | <0.5 |
| 11-AAB-0293 | Rock              |             | 4.2  | 0.1  | *    | <0.01 | 0.8  | 2.3  |
| 11-MGB-258  | Rock              |             | 0.2  | 0.2  | <0.5 | <0.01 | 0.3  | <0.5 |
| 11-MGB-259  | Rock              |             | 0.7  | <0.1 | <0.5 | <0.01 | 0.1  | <0.5 |
| 11-MGB-291  | Rock              |             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-MGB-295  | Drill Core        |             | 8.6  | <0.1 | 2.8  | <0.01 | <0.1 | <0.5 |
| 11-MGB-292  | Rock              |             | <0.1 | <0.1 | 1.6  | <0.01 | <0.1 | <0.5 |
| 11-MGB-264  | Rock              |             | 44.1 | 3.1  | <0.5 | 0.01  | 3.5  | 1.3  |
| 11-MGB-283  | Rock              |             | 0.1  | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-MGB-262  | Rock              |             | 0.3  | <0.1 | <0.5 | <0.01 | 0.3  | <0.5 |
| 11-MGB-268  | Rock              |             | 0.2  | *    | <0.5 | <0.01 | 0.4  | 1.6  |
| 11-MGB-266  | Rock              |             | 1.7  | 0.2  | 1.9  | <0.01 | 0.3  | <0.5 |
| 11-MGB-270  | Rock              |             | 0.1  | *    | <0.5 | 0.01  | <0.1 | 2.0  |
| 11-MGB-267  | Rock              |             | 1.3  | 1.1  | <0.5 | 0.03  | 0.2  | 1.6  |
| 11-MGB-260  | Rock              |             | 0.3  | 0.1  | <0.5 | <0.01 | 0.4  | <0.5 |
| 11-MGB-263  | Rock              |             | 0.2  | 0.1  | 4.1  | <0.01 | 0.5  | <0.5 |
| 11-MGB-287  | Rock              |             | <0.1 | <0.1 | 1.4  | <0.01 | 0.2  | <0.5 |
| 11-MGB-269  | Rock              |             | <0.1 | <0.1 | 1.3  | <0.01 | 2.2  | <0.5 |
| 11-MGB-288  | Rock              |             | 0.9  | 0.2  | 3.0  | <0.01 | <0.1 | <0.5 |
| 11-MGB-290  | Rock              |             | 0.4  | <0.1 | <0.5 | <0.01 | <0.1 | 0.7  |
| 11-MGB-289  | Rock              |             | 0.3  | <0.1 | <0.5 | <0.01 | 0.2  | 0.5  |
| 11-AAB-0294 | Rock              |             | 0.2  | <0.1 | <0.5 | <0.01 | 0.2  | <0.5 |
| 11-AAB-0297 | Rock              |             | 0.8  | 0.1  | <0.5 | <0.01 | 0.9  | <0.5 |
| 11-AAB-0298 | Rock              |             | 1.6  | <0.1 | 0.9  | <0.01 | 0.8  | <0.5 |
| 11-AAB-0290 | Rock              |             | 0.5  | <0.1 | 0.7  | 0.01  | 0.3  | <0.5 |
| 11-AAB-0295 | Rock              |             | 5.0  | <0.1 | 1.4  | <0.01 | 0.2  | 3.0  |
| 11-AAB-338  | Rock              |             | <0.1 | <0.1 | 0.8  | <0.01 | <0.1 | 0.6  |
| 11-AAB-345  | Rock              |             | <0.1 | <0.1 | 0.9  | <0.01 | <0.1 | <0.5 |
| 11-AAB-333  | Rock              |             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |



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Project: TING PROP C

Report Date: August 23, 2011

Page: 3 of 3 Part 1

## CERTIFICATE OF ANALYSIS

VAN11003256.1

|            | Method<br>Analyte<br>Unit<br>MDL | WGHT | 4B   | 4B  | 4B   | 4B  | 4B   | 4B  | 4B   | 4B   | 4B  | 4B    | 4B   | 4B   | 4B  | 4B  | 4B   | 4B    | 4B   | 4B   |      |
|------------|----------------------------------|------|------|-----|------|-----|------|-----|------|------|-----|-------|------|------|-----|-----|------|-------|------|------|------|
|            |                                  | Wgt  | Ba   | Be  | Co   | Cs  | Ga   | Hf  | Nb   | Rb   | Sn  | Sr    | Ta   | Th   | U   | V   | W    | Zr    | Y    | La   | Ce   |
|            |                                  | kg   | ppm  | ppm | ppm  | ppm | ppm  | ppm | ppm  | ppm  | ppm | ppm   | ppm  | ppm  | ppm | ppm | ppm  | ppm   | ppm  | ppm  | ppm  |
|            |                                  | 0.01 | 1    | 1   | 0.2  | 0.1 | 0.5  | 0.1 | 0.1  | 0.1  | 1   | 0.5   | 0.1  | 0.2  | 0.1 | 8   | 0.5  | 0.1   | 0.1  | 0.1  | 0.1  |
| 11-AAB-337 | Rock                             | 1.54 | 977  | 1   | 10.8 | 2.9 | 18.9 | 3.6 | 13.0 | 95.1 | 2   | 557.4 | 0.8  | 11.6 | 3.0 | 98  | 1.1  | 138.4 | 16.7 | 30.6 | 57.6 |
| 11-AAB-342 | Rock                             | 1.14 | 875  | 2   | 10.1 | 2.3 | 19.4 | 3.4 | 13.6 | 89.6 | 1   | 625.1 | 1.0  | 12.0 | 3.4 | 98  | 1.1  | 141.0 | 15.6 | 31.6 | 58.1 |
| 11-AAB-339 | Rock                             | 1.33 | 208  | <1  | 0.5  | 0.4 | 2.1  | 5.0 | 2.9  | 11.5 | <1  | 20.3  | 0.2  | 3.3  | 1.1 | 23  | <0.5 | 221.2 | 10.7 | 10.7 | 19.5 |
| 11-AAB-332 | Rock                             | 1.38 | 882  | 1   | 12.5 | 3.4 | 18.7 | 3.2 | 11.7 | 84.0 | 2   | 533.0 | 0.8  | 10.2 | 2.2 | 104 | <0.5 | 126.4 | 17.1 | 29.0 | 56.4 |
| 11-AAB-354 | Rock                             | 1.98 | 210  | <1  | 1.4  | 1.8 | 3.3  | 0.9 | 1.8  | 14.9 | <1  | 27.8  | <0.1 | 1.4  | 1.0 | 31  | <0.5 | 40.9  | 3.8  | 6.5  | 8.1  |
| 11-AAB-334 | Rock                             | 1.48 | 1304 | 5   | 8.2  | 0.6 | 17.7 | 3.8 | 12.2 | 74.0 | 2   | 575.9 | 0.9  | 10.4 | 3.2 | 86  | 1.1  | 125.8 | 14.3 | 29.6 | 54.9 |
| 11-AAB-340 | Rock                             | 1.18 | 1021 | 2   | 11.1 | 3.9 | 18.8 | 3.9 | 11.7 | 91.4 | 2   | 564.5 | 1.1  | 10.0 | 3.1 | 100 | 0.7  | 128.4 | 16.0 | 29.0 | 53.9 |
| 11-AAB-353 | Rock                             | 4.71 | 234  | 6   | 1.9  | 4.8 | 10.4 | 1.1 | 2.5  | 95.3 | 2   | 28.5  | 0.2  | 2.3  | 1.8 | 127 | <0.5 | 41.7  | 9.4  | 8.6  | 11.5 |
| 11-AAB-335 | Rock                             | 0.62 | 955  | 8   | 8.4  | 1.5 | 20.0 | 4.6 | 12.8 | 90.1 | <1  | 548.9 | 1.0  | 10.7 | 3.4 | 88  | 0.9  | 133.6 | 14.5 | 29.2 | 55.7 |
| 11-MGB-300 | Rock                             | 4.18 | 335  | 1   | 1.9  | 0.5 | 2.0  | 9.4 | 3.4  | 5.1  | <1  | 23.0  | 0.2  | 3.0  | 0.9 | 14  | <0.5 | 316.9 | 11.3 | 10.2 | 22.0 |
| 11-MGB-326 | Rock                             | 1.02 | 60   | <1  | 46.6 | 0.5 | 18.0 | 1.9 | 8.5  | 13.5 | 1   | 84.8  | 0.5  | 1.2  | 0.3 | 188 | <0.5 | 69.8  | 20.2 | 8.7  | 19.0 |
| 11-MGB-328 | Rock                             | 1.44 | 149  | <1  | 12.0 | 0.2 | 3.3  | 0.2 | 1.9  | 9.7  | <1  | 120.7 | 0.1  | <0.2 | 0.1 | 46  | <0.5 | 13.0  | 21.9 | 2.7  | 8.4  |
| 11-MGB-327 | Rock                             | 0.33 | 71   | <1  | 34.8 | 0.8 | 15.0 | 1.7 | 7.1  | 33.4 | <1  | 127.5 | 0.5  | 1.5  | 0.3 | 165 | <0.5 | 62.5  | 19.0 | 7.4  | 17.0 |
| 11-MGB-320 | Rock                             | 1.63 | 2067 | 1   | 0.6  | 2.8 | 6.6  | 1.9 | 3.2  | 40.1 | <1  | 68.4  | 0.2  | 3.0  | 3.5 | 657 | 0.9  | 67.1  | 7.7  | 11.4 | 18.5 |



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Project: TING PROP C

Report Date: August 23, 2011

Page: 3 of 3 Part 2

## CERTIFICATE OF ANALYSIS

VAN11003256.1

|            | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 1DX  | 1DX  | 1DX  | 1DX | 1DX   | 1DX  | 1DX  | 1DX  |
|------------|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-------|------|------|------|
|            |                                  | Pr   | Nd   | Sm   | Eu   | Gd   | Tb   | Dy   | Ho   | Er   | Tm   | Yb   | Lu   | Mo   | Cu   | Pb   | Zn  | Ni    | As   | Cd   | Sb   |
|            |                                  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm | ppm   | ppm  | ppm  | ppm  |
| 11-AAB-337 | Rock                             | 6.70 | 22.5 | 4.09 | 1.12 | 2.94 | 0.58 | 2.99 | 0.62 | 1.82 | 0.27 | 1.70 | 0.27 | 0.2  | 8.9  | 10.3 | 43  | 6.2   | 0.6  | <0.1 | <0.1 |
| 11-AAB-342 | Rock                             | 6.55 | 23.0 | 3.98 | 1.09 | 3.40 | 0.55 | 2.63 | 0.56 | 1.77 | 0.26 | 1.80 | 0.29 | 0.5  | 8.7  | 16.1 | 52  | 5.9   | 0.7  | <0.1 | <0.1 |
| 11-AAB-339 | Rock                             | 2.50 | 9.2  | 1.75 | 0.36 | 1.66 | 0.33 | 1.63 | 0.38 | 0.99 | 0.16 | 0.96 | 0.17 | 0.1  | 2.8  | 30.5 | 8   | 2.8   | 11.2 | <0.1 | 0.3  |
| 11-AAB-332 | Rock                             | 6.22 | 19.7 | 4.03 | 1.11 | 3.59 | 0.54 | 2.58 | 0.66 | 1.60 | 0.25 | 1.94 | 0.25 | 0.1  | 10.4 | 10.1 | 46  | 10.2  | <0.5 | 0.3  | <0.1 |
| 11-AAB-354 | Rock                             | 1.21 | 4.2  | 0.75 | 0.14 | 0.64 | 0.09 | 0.56 | 0.15 | 0.42 | 0.08 | 0.38 | 0.08 | 1.8  | 2.6  | 1.3  | 8   | 2.4   | 2.9  | <0.1 | <0.1 |
| 11-AAB-334 | Rock                             | 6.35 | 21.8 | 3.88 | 0.96 | 3.17 | 0.51 | 2.91 | 0.57 | 1.38 | 0.24 | 1.45 | 0.24 | 0.8  | 6.9  | 6.4  | 58  | 7.1   | <0.5 | 0.2  | <0.1 |
| 11-AAB-340 | Rock                             | 6.23 | 20.3 | 4.17 | 1.06 | 3.39 | 0.55 | 2.75 | 0.63 | 1.89 | 0.26 | 1.50 | 0.25 | 0.2  | 10.7 | 9.2  | 44  | 9.6   | 0.5  | <0.1 | <0.1 |
| 11-AAB-353 | Rock                             | 1.62 | 4.6  | 0.76 | 0.15 | 0.77 | 0.14 | 1.03 | 0.26 | 0.72 | 0.13 | 0.66 | 0.12 | 0.2  | 8.4  | 1.4  | 32  | 6.9   | 2.1  | 0.1  | <0.1 |
| 11-AAB-335 | Rock                             | 6.17 | 23.1 | 3.94 | 1.05 | 3.41 | 0.52 | 3.10 | 0.56 | 1.52 | 0.23 | 1.44 | 0.24 | 0.5  | 5.4  | 30.2 | 69  | 6.8   | 0.8  | 0.5  | <0.1 |
| 11-MGB-300 | Rock                             | 2.51 | 10.4 | 1.78 | 0.37 | 1.67 | 0.28 | 1.86 | 0.38 | 1.05 | 0.19 | 1.49 | 0.21 | 0.1  | 3.2  | 2.7  | 50  | 8.4   | 3.1  | 0.2  | 0.6  |
| 11-MGB-326 | Rock                             | 2.43 | 9.8  | 3.39 | 1.21 | 4.16 | 0.66 | 3.78 | 0.72 | 2.12 | 0.28 | 1.50 | 0.24 | 0.1  | 40.4 | 2.2  | 66  | 167.5 | <0.5 | 0.3  | <0.1 |
| 11-MGB-328 | Rock                             | 1.32 | 7.3  | 2.76 | 1.52 | 4.67 | 0.81 | 4.33 | 0.69 | 1.96 | 0.21 | 1.34 | 0.16 | <0.1 | 49.8 | 1.2  | 17  | 14.3  | 1.3  | <0.1 | 0.1  |
| 11-MGB-327 | Rock                             | 2.17 | 8.9  | 3.02 | 1.27 | 3.71 | 0.66 | 3.64 | 0.70 | 1.85 | 0.26 | 1.48 | 0.23 | 0.3  | 44.5 | 1.9  | 60  | 115.7 | 1.2  | <0.1 | <0.1 |
| 11-MGB-320 | Rock                             | 2.30 | 10.4 | 1.51 | 0.31 | 1.26 | 0.19 | 1.15 | 0.22 | 0.59 | 0.10 | 0.71 | 0.12 | 9.3  | 12.5 | 5.8  | 19  | 5.9   | 8.6  | <0.1 | 2.3  |



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**Project:** TING PROP C  
**Report Date:** August 23, 2011

**Page:** 3 of 3 **Part** 3

## CERTIFICATE OF ANALYSIS

VAN11003256.1

|            | Method<br>Analyte<br>Unit<br>MDL | 1DX  | 1DX  | 1DX  | 1DX   | 1DX  | 1DX  |
|------------|----------------------------------|------|------|------|-------|------|------|
|            |                                  | Bi   | Ag   | Au   | Hg    | Tl   | Se   |
|            |                                  | ppm  | ppm  | ppb  | ppm   | ppm  | ppm  |
|            |                                  | 0.1  | 0.1  | 0.5  | 0.01  | 0.1  | 0.5  |
| 11-AAB-337 | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-AAB-342 | Rock                             | 0.1  | <0.1 | 3.3  | 0.01  | <0.1 | <0.5 |
| 11-AAB-339 | Rock                             | <0.1 | 0.1  | 1.0  | <0.01 | <0.1 | <0.5 |
| 11-AAB-332 | Rock                             | <0.1 | <0.1 | 1.8  | 0.02  | <0.1 | <0.5 |
| 11-AAB-354 | Rock                             | <0.1 | <0.1 | 1.6  | 0.02  | <0.1 | <0.5 |
| 11-AAB-334 | Rock                             | <0.1 | <0.1 | 1.7  | <0.01 | <0.1 | <0.5 |
| 11-AAB-340 | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-AAB-353 | Rock                             | <0.1 | <0.1 | 1.6  | 0.02  | <0.1 | 0.6  |
| 11-AAB-335 | Rock                             | 0.1  | <0.1 | 1.3  | 0.01  | <0.1 | <0.5 |
| 11-MGB-300 | Rock                             | <0.1 | <0.1 | 2.6  | <0.01 | <0.1 | <0.5 |
| 11-MGB-326 | Rock                             | <0.1 | <0.1 | 1.3  | <0.01 | <0.1 | <0.5 |
| 11-MGB-328 | Rock                             | <0.1 | <0.1 | 0.5  | <0.01 | <0.1 | <0.5 |
| 11-MGB-327 | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-MGB-320 | Rock                             | <0.1 | 0.3  | <0.5 | 0.04  | <0.1 | 3.1  |



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Project: TING PROP C

Report Date: August 23, 2011

Page: 1 of 2 Part 1

## QUALITY CONTROL REPORT

VAN11003256.1

|                        | Method<br>Analyte<br>Unit<br>MDL | WGHT | 4B   | 4B  | 4B   | 4B  | 4B   | 4B  | 4B    | 4B    | 4B  | 4B    | 4B   | 4B    | 4B   | 4B   | 4B   | 4B    | 4B   | 4B    | 4B    |
|------------------------|----------------------------------|------|------|-----|------|-----|------|-----|-------|-------|-----|-------|------|-------|------|------|------|-------|------|-------|-------|
|                        |                                  | Wgt  | Ba   | Be  | Co   | Cs  | Ga   | Hf  | Nb    | Rb    | Sn  | Sr    | Ta   | Th    | U    | V    | W    | Zr    | Y    | La    | Ce    |
|                        |                                  | kg   | ppm  | ppm | ppm  | ppm | ppm  | ppm | ppm   | ppm   | ppm | ppm   | ppm  | ppm   | ppm  | ppm  | ppm  | ppm   | ppm  | ppm   | ppm   |
|                        |                                  | 0.01 | 1    | 1   | 0.2  | 0.1 | 0.5  | 0.1 | 0.1   | 0.1   | 1   | 0.5   | 0.1  | 0.2   | 0.1  | 8    | 0.5  | 0.1   | 0.1  | 0.1   | 0.1   |
| Pulp Duplicates        |                                  |      |      |     |      |     |      |     |       |       |     |       |      |       |      |      |      |       |      |       |       |
| REP G1                 | QC                               |      | 1085 | 4   | 4.4  | 4.7 | 19.9 | 4.7 | 27.2  | 135.3 | 1   | 809.7 | 1.6  | 10.9  | 3.9  | 49   | <0.5 | 157.8 | 17.2 | 32.0  | 62.7  |
| 11-AAB-0292            | Rock                             | 1.42 | 1320 | 10  | 3.2  | 2.0 | 12.5 | 6.7 | 31.0  | 68.2  | 2   | 151.6 | 0.6  | 10.2  | 4.5  | 72   | 8.8  | 210.1 | 18.4 | 42.5  | 69.0  |
| REP 11-AAB-0292        | QC                               |      |      |     |      |     |      |     |       |       |     |       |      |       |      |      |      |       |      |       |       |
| 11-MGB-270             | Rock                             | 3.48 | 907  | 217 | 1.8  | 2.5 | 24.5 | 7.3 | 198.9 | 63.8  | 6   | 193.5 | 1.2  | 617.9 | 23.9 | 2149 | 9.7  | 590.8 | 52.1 | 167.4 | 172.4 |
| REP 11-MGB-270         | QC                               |      |      |     |      |     |      |     |       |       |     |       |      |       |      |      |      |       |      |       |       |
| 11-AAB-353             | Rock                             | 4.71 | 234  | 6   | 1.9  | 4.8 | 10.4 | 1.1 | 2.5   | 95.3  | 2   | 28.5  | 0.2  | 2.3   | 1.8  | 127  | <0.5 | 41.7  | 9.4  | 8.6   | 11.5  |
| REP 11-AAB-353         | QC                               |      | 229  | 7   | 1.5  | 4.8 | 11.1 | 1.4 | 2.4   | 96.3  | 1   | 28.7  | 0.3  | 2.9   | 1.7  | 127  | <0.5 | 45.5  | 9.1  | 7.3   | 11.9  |
| Core Reject Duplicates |                                  |      |      |     |      |     |      |     |       |       |     |       |      |       |      |      |      |       |      |       |       |
| 11-MGB-258             | Rock                             | 1.19 | 1931 | 7   | 10.0 | 6.7 | 20.7 | 8.6 | 194.7 | 202.6 | 2   | 1358  | 11.4 | 42.1  | 10.5 | 67   | 2.4  | 460.0 | 29.4 | 160.9 | 267.8 |
| DUP 11-MGB-258         | QC                               |      | 1892 | 5   | 11.0 | 6.5 | 21.0 | 8.7 | 200.1 | 200.2 | 3   | 1326  | 11.4 | 43.5  | 10.8 | 71   | 2.5  | 454.4 | 28.9 | 162.9 | 269.1 |
| 11-AAB-335             | Rock                             | 0.62 | 955  | 8   | 8.4  | 1.5 | 20.0 | 4.6 | 12.8  | 90.1  | <1  | 548.9 | 1.0  | 10.7  | 3.4  | 88   | 0.9  | 133.6 | 14.5 | 29.2  | 55.7  |
| DUP 11-AAB-335         | QC                               |      | 971  | 1   | 8.0  | 1.3 | 20.8 | 3.8 | 12.8  | 91.8  | 2   | 561.7 | 1.0  | 11.1  | 3.1  | 90   | 1.0  | 137.0 | 16.2 | 30.6  | 58.4  |
| Reference Materials    |                                  |      |      |     |      |     |      |     |       |       |     |       |      |       |      |      |      |       |      |       |       |
| STD DS8                | Standard                         |      |      |     |      |     |      |     |       |       |     |       |      |       |      |      |      |       |      |       |       |
| STD DS8                | Standard                         |      |      |     |      |     |      |     |       |       |     |       |      |       |      |      |      |       |      |       |       |
| STD DS8                | Standard                         |      |      |     |      |     |      |     |       |       |     |       |      |       |      |      |      |       |      |       |       |
| STD OREAS45CA          | Standard                         |      |      |     |      |     |      |     |       |       |     |       |      |       |      |      |      |       |      |       |       |
| STD OREAS45CA          | Standard                         |      |      |     |      |     |      |     |       |       |     |       |      |       |      |      |      |       |      |       |       |
| STD OREAS45CA          | Standard                         |      |      |     |      |     |      |     |       |       |     |       |      |       |      |      |      |       |      |       |       |
| STD SO-18              | Standard                         |      | 520  | <1  | 26.0 | 6.7 | 18.7 | 9.3 | 20.6  | 28.2  | 15  | 413.8 | 7.4  | 11.3  | 16.8 | 186  | 15.2 | 297.6 | 31.5 | 12.7  | 27.3  |
| STD SO-18              | Standard                         |      | 522  | <1  | 25.7 | 6.9 | 17.9 | 9.8 | 20.9  | 28.7  | 14  | 410.8 | 7.3  | 10.3  | 16.1 | 187  | 15.6 | 295.5 | 30.6 | 13.1  | 27.8  |
| STD SO-18              | Standard                         |      | 530  | <1  | 26.2 | 7.0 | 18.0 | 9.6 | 21.2  | 27.9  | 15  | 413.8 | 7.0  | 10.5  | 16.0 | 220  | 14.6 | 293.4 | 31.7 | 12.6  | 27.1  |
| STD SO-18              | Standard                         |      | 518  | <1  | 27.0 | 7.2 | 17.7 | 8.9 | 21.1  | 28.4  | 14  | 405.2 | 7.3  | 10.1  | 16.2 | 199  | 15.4 | 294.0 | 31.3 | 13.1  | 27.0  |
| STD SO-18 Expected     |                                  |      | 514  | 1   | 26.2 | 7.1 | 17.6 | 9.8 | 21.3  | 28.7  | 15  | 407.4 | 7.4  | 9.9   | 16.4 | 200  | 14.8 | 280   | 31   | 12.3  | 27.1  |
| STD DS8 Expected       |                                  |      |      |     |      |     |      |     |       |       |     |       |      |       |      |      |      |       |      |       |       |
| STD OREAS45CA Expected |                                  |      |      |     |      |     |      |     |       |       |     |       |      |       |      |      |      |       |      |       |       |
| BLK                    | Blank                            |      |      |     |      |     |      |     |       |       |     |       |      |       |      |      |      |       |      |       |       |
| BLK                    | Blank                            |      |      |     |      |     |      |     |       |       |     |       |      |       |      |      |      |       |      |       |       |



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Project: TING PROP C

Report Date: August 23, 2011

Page: 1 of 2 Part 2

## QUALITY CONTROL REPORT

VAN11003256.1

|                        | Method<br>Analyte<br>Unit<br>MDL | 4B    | 4B   | 4B    | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 1DX   | 1DX   | 1DX   | 1DX  | 1DX   | 1DX   | 1DX  | 1DX  |
|------------------------|----------------------------------|-------|------|-------|------|------|------|------|------|------|------|------|------|-------|-------|-------|------|-------|-------|------|------|
|                        |                                  | Pr    | Nd   | Sm    | Eu   | Gd   | Tb   | Dy   | Ho   | Er   | Tm   | Yb   | Lu   | Mo    | Cu    | Pb    | Zn   | Ni    | As    | Cd   | Sb   |
|                        |                                  | ppm   | ppm  | ppm   | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm   | ppm   | ppm  | ppm   | ppm   | ppm  | ppm  |
|                        |                                  | 0.02  | 0.3  | 0.05  | 0.02 | 0.05 | 0.01 | 0.05 | 0.02 | 0.03 | 0.01 | 0.05 | 0.01 | 0.1   | 0.1   | 0.1   | 1    | 0.1   | 0.5   | 0.1  | 0.1  |
| Pulp Duplicates        |                                  |       |      |       |      |      |      |      |      |      |      |      |      |       |       |       |      |       |       |      |      |
| REP G1                 | QC                               | 7.44  | 26.7 | 4.80  | 1.30 | 3.52 | 0.56 | 3.09 | 0.59 | 1.78 | 0.29 | 2.05 | 0.34 |       |       |       |      |       |       |      |      |
| 11-AAB-0292            | Rock                             | 7.64  | 21.7 | 4.20  | 0.93 | 3.38 | 0.54 | 3.05 | 0.56 | 1.69 | 0.27 | 1.64 | 0.26 | 33.0  | 9.4   | 127.2 | 685  | 15.6  | 10.3  | 6.4  | 1.5  |
| REP 11-AAB-0292        | QC                               |       |      |       |      |      |      |      |      |      |      |      |      | 34.3  | 9.7   | 124.4 | 673  | 15.3  | 10.7  | 6.3  | 1.3  |
| 11-MGB-270             | Rock                             | 12.15 | 27.8 | 3.88  | 0.75 | 3.56 | 0.75 | 4.37 | 1.09 | 3.79 | 0.61 | 4.58 | 0.78 | 37.9  | 93.6  | 154.2 | 2910 | 271.5 | 111.9 | 21.7 | 11.7 |
| REP 11-MGB-270         | QC                               |       |      |       |      |      |      |      |      |      |      |      |      | 36.7  | 90.2  | 149.7 | 2821 | 261.0 | 110.1 | 20.5 | 11.0 |
| 11-AAB-353             | Rock                             | 1.62  | 4.6  | 0.76  | 0.15 | 0.77 | 0.14 | 1.03 | 0.26 | 0.72 | 0.13 | 0.66 | 0.12 | 0.2   | 8.4   | 1.4   | 32   | 6.9   | 2.1   | 0.1  | <0.1 |
| REP 11-AAB-353         | QC                               | 1.70  | 4.8  | 0.81  | 0.16 | 1.00 | 0.15 | 0.92 | 0.26 | 0.84 | 0.11 | 0.69 | 0.10 |       |       |       |      |       |       |      |      |
| Core Reject Duplicates |                                  |       |      |       |      |      |      |      |      |      |      |      |      |       |       |       |      |       |       |      |      |
| 11-MGB-258             | Rock                             | 28.02 | 81.4 | 11.55 | 3.24 | 7.54 | 1.15 | 6.09 | 1.07 | 2.93 | 0.45 | 2.61 | 0.42 | 0.8   | 12.1  | 10.2  | 62   | 14.0  | 2.6   | 0.3  | <0.1 |
| DUP 11-MGB-258         | QC                               | 27.92 | 87.0 | 11.50 | 3.20 | 7.84 | 1.16 | 5.91 | 1.10 | 2.81 | 0.43 | 2.56 | 0.43 | 2.6   | 9.1   | 10.6  | 66   | 13.4  | 2.8   | 0.3  | 0.1  |
| 11-AAB-335             | Rock                             | 6.17  | 23.1 | 3.94  | 1.05 | 3.41 | 0.52 | 3.10 | 0.56 | 1.52 | 0.23 | 1.44 | 0.24 | 0.5   | 5.4   | 30.2  | 69   | 6.8   | 0.8   | 0.5  | <0.1 |
| DUP 11-AAB-335         | QC                               | 6.33  | 21.9 | 4.05  | 0.99 | 3.44 | 0.52 | 2.71 | 0.58 | 1.59 | 0.27 | 1.52 | 0.25 | 0.3   | 5.1   | 31.5  | 68   | 7.2   | 0.9   | 0.5  | <0.1 |
| Reference Materials    |                                  |       |      |       |      |      |      |      |      |      |      |      |      |       |       |       |      |       |       |      |      |
| STD DS8                | Standard                         |       |      |       |      |      |      |      |      |      |      |      |      | 14.1  | 111.4 | 135.8 | 323  | 48.0  | 27.4  | 2.5  | 4.5  |
| STD DS8                | Standard                         |       |      |       |      |      |      |      |      |      |      |      |      | 12.0  | 106.8 | 134.2 | 308  | 37.5  | 23.8  | 2.3  | 4.9  |
| STD DS8                | Standard                         |       |      |       |      |      |      |      |      |      |      |      |      | 12.8  | 106.6 | 118.5 | 308  | 35.4  | 25.3  | 2.5  | 3.8  |
| STD OREAS45CA          | Standard                         |       |      |       |      |      |      |      |      |      |      |      |      | 0.8   | 513.7 | 19.6  | 59   | 258.8 | 4.6   | <0.1 | <0.1 |
| STD OREAS45CA          | Standard                         |       |      |       |      |      |      |      |      |      |      |      |      | 0.7   | 503.1 | 21.9  | 59   | 241.6 | 3.0   | <0.1 | <0.1 |
| STD OREAS45CA          | Standard                         |       |      |       |      |      |      |      |      |      |      |      |      | 0.6   | 442.1 | 17.7  | 57   | 204.0 | 3.3   | 0.1  | <0.1 |
| STD SO-18              | Standard                         | 3.49  | 14.4 | 2.92  | 0.88 | 2.80 | 0.52 | 2.97 | 0.66 | 1.84 | 0.27 | 1.72 | 0.29 |       |       |       |      |       |       |      |      |
| STD SO-18              | Standard                         | 3.54  | 13.3 | 2.93  | 0.91 | 2.98 | 0.52 | 3.23 | 0.67 | 1.86 | 0.30 | 1.80 | 0.27 |       |       |       |      |       |       |      |      |
| STD SO-18              | Standard                         | 3.47  | 14.0 | 3.11  | 0.95 | 3.10 | 0.52 | 3.03 | 0.61 | 1.92 | 0.31 | 1.86 | 0.29 |       |       |       |      |       |       |      |      |
| STD SO-18              | Standard                         | 3.52  | 13.2 | 3.04  | 0.89 | 3.00 | 0.52 | 2.87 | 0.63 | 1.84 | 0.29 | 1.85 | 0.29 |       |       |       |      |       |       |      |      |
| STD SO-18 Expected     |                                  | 3.45  | 14   | 3     | 0.89 | 2.93 | 0.53 | 3    | 0.62 | 1.84 | 0.27 | 1.79 | 0.27 |       |       |       |      |       |       |      |      |
| STD DS8 Expected       |                                  |       |      |       |      |      |      |      |      |      |      |      |      | 13.44 | 110   | 123   | 312  | 38.1  | 26    | 2.38 | 4.8  |
| STD OREAS45CA Expected |                                  |       |      |       |      |      |      |      |      |      |      |      |      | 1     | 494   | 20    | 60   | 240   | 3.8   | 0.1  | 0.13 |
| BLK                    | Blank                            |       |      |       |      |      |      |      |      |      |      |      |      | <0.1  | <0.1  | <0.1  | <1   | <0.1  | <0.5  | <0.1 | <0.1 |
| BLK                    | Blank                            |       |      |       |      |      |      |      |      |      |      |      |      | <0.1  | <0.1  | <0.1  | <1   | <0.1  | <0.5  | <0.1 | <0.1 |



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**Project:** TING PROP C

**Report Date:** August 23, 2011

**Page:** 1 of 2 **Part** 3

## QUALITY CONTROL REPORT

VAN11003256.1

|                        | Method<br>Analyte<br>Unit<br>MDL | 1DX  | 1DX   | 1DX   | 1DX   | 1DX  | 1DX  |
|------------------------|----------------------------------|------|-------|-------|-------|------|------|
|                        |                                  | Bi   | Ag    | Au    | Hg    | Tl   | Se   |
|                        |                                  | ppm  | ppm   | ppb   | ppm   | ppm  | ppm  |
|                        |                                  | 0.1  | 0.1   | 0.5   | 0.01  | 0.1  | 0.5  |
| Pulp Duplicates        |                                  |      |       |       |       |      |      |
| REP G1                 | QC                               |      |       |       |       |      |      |
| 11-AAB-0292            | Rock                             | 0.2  | 0.5   | 0.7   | <0.01 | <0.1 | 0.7  |
| REP 11-AAB-0292        | QC                               | 0.2  | 0.5   | <0.5  | <0.01 | <0.1 | <0.5 |
| 11-MGB-270             | Rock                             | 0.1  | *     | <0.5  | 0.01  | <0.1 | 2.0  |
| REP 11-MGB-270         | QC                               | 0.1  | *     | <0.5  | 0.01  | <0.1 | 1.6  |
| 11-AAB-353             | Rock                             | <0.1 | <0.1  | 1.6   | 0.02  | <0.1 | 0.6  |
| REP 11-AAB-353         | QC                               |      |       |       |       |      |      |
| Core Reject Duplicates |                                  |      |       |       |       |      |      |
| 11-MGB-258             | Rock                             | 0.2  | 0.2   | <0.5  | <0.01 | 0.3  | <0.5 |
| DUP 11-MGB-258         | QC                               | 0.2  | 0.1   | <0.5  | <0.01 | 0.3  | <0.5 |
| 11-AAB-335             | Rock                             | 0.1  | <0.1  | 1.3   | 0.01  | <0.1 | <0.5 |
| DUP 11-AAB-335         | QC                               | 0.1  | <0.1  | 0.6   | <0.01 | <0.1 | <0.5 |
| Reference Materials    |                                  |      |       |       |       |      |      |
| STD DS8                | Standard                         | 6.8  | 1.8   | 273.6 | 0.19  | 5.6  | 5.6  |
| STD DS8                | Standard                         | 7.3  | 1.8   | 99.1  | 0.22  | 5.4  | 5.2  |
| STD DS8                | Standard                         | 6.1  | 1.7   | 107.4 | 0.18  | 5.2  | 4.5  |
| STD OREAS45CA          | Standard                         | 0.2  | 0.3   | 39.5  | 0.03  | <0.1 | <0.5 |
| STD OREAS45CA          | Standard                         | 0.2  | 0.3   | 43.3  | 0.02  | <0.1 | 0.6  |
| STD OREAS45CA          | Standard                         | 0.1  | 0.3   | 37.2  | 0.02  | <0.1 | <0.5 |
| STD SO-18              | Standard                         |      |       |       |       |      |      |
| STD SO-18              | Standard                         |      |       |       |       |      |      |
| STD SO-18              | Standard                         |      |       |       |       |      |      |
| STD SO-18              | Standard                         |      |       |       |       |      |      |
| STD SO-18 Expected     |                                  |      |       |       |       |      |      |
| STD DS8 Expected       |                                  | 6.67 | 1.69  | 107   | 0.192 | 5.4  | 5.23 |
| STD OREAS45CA Expected |                                  | 0.19 | 0.275 | 43    | 0.03  | 0.07 | 0.5  |
| BLK                    | Blank                            | <0.1 | <0.1  | <0.5  | <0.01 | <0.1 | <0.5 |
| BLK                    | Blank                            | <0.1 | <0.1  | <0.5  | <0.01 | <0.1 | <0.5 |



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Project: TING PROP C

Report Date: August 23, 2011

Page: 2 of 2 Part 1

## QUALITY CONTROL REPORT

VAN11003256.1

|           |            | WGHT  | 4B   | 4B  | 4B   | 4B   | 4B   | 4B   | 4B   | 4B    | 4B  | 4B    | 4B   | 4B   | 4B   | 4B  | 4B   | 4B    | 4B   | 4B   | 4B   |
|-----------|------------|-------|------|-----|------|------|------|------|------|-------|-----|-------|------|------|------|-----|------|-------|------|------|------|
|           |            | Wgt   | Ba   | Be  | Co   | Cs   | Ga   | Hf   | Nb   | Rb    | Sn  | Sr    | Ta   | Th   | U    | V   | W    | Zr    | Y    | La   | Ce   |
|           |            | kg    | ppm  | ppm | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm | ppm   | ppm  | ppm  | ppm  | ppm | ppm  | ppm   | ppm  | ppm  | ppm  |
|           |            | 0.01  | 1    | 1   | 0.2  | 0.1  | 0.5  | 0.1  | 0.1  | 0.1   | 1   | 0.5   | 0.1  | 0.2  | 0.1  | 8   | 0.5  | 0.1   | 0.1  | 0.1  | 0.1  |
| BLK       | Blank      |       | <1   | <1  | <0.2 | <0.1 | <0.5 | <0.1 | <0.1 | <0.1  | <1  | <0.5  | <0.1 | <0.2 | <0.1 | <8  | <0.5 | <0.1  | <0.1 | <0.1 | <0.1 |
| BLK       | Blank      |       | <1   | <1  | <0.2 | <0.1 | <0.5 | <0.1 | <0.1 | <0.1  | <1  | <0.5  | <0.1 | <0.2 | <0.1 | <8  | <0.5 | <0.1  | <0.1 | <0.1 | <0.1 |
| BLK       | Blank      |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |       |      |      |      |
| Prep Wash |            |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |       |      |      |      |
| G1        | Prep Blank | <0.01 | 1218 | 3   | 4.3  | 5.4  | 19.2 | 3.6  | 25.8 | 135.4 | 1   | 814.2 | 1.6  | 10.1 | 3.6  | 54  | <0.5 | 152.6 | 17.6 | 35.2 | 67.1 |
| G1        | Prep Blank | <0.01 |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |       |      |      |      |
| G1        | Prep Blank |       | 1082 | 3   | 4.1  | 4.6  | 17.8 | 4.3  | 27.5 | 133.9 | 2   | 771.6 | 1.7  | 9.7  | 3.9  | 49  | <0.5 | 153.1 | 16.9 | 30.5 | 60.2 |



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Project: TING PROP C

Report Date: August 23, 2011

Page: 2 of 2 Part 2

## QUALITY CONTROL REPORT

VAN11003256.1

|           |            | 4B<br>Pr<br>ppm<br>0.02 | 4B<br>Nd<br>ppm<br>0.3 | 4B<br>Sm<br>ppm<br>0.05 | 4B<br>Eu<br>ppm<br>0.02 | 4B<br>Gd<br>ppm<br>0.05 | 4B<br>Tb<br>ppm<br>0.01 | 4B<br>Dy<br>ppm<br>0.05 | 4B<br>Ho<br>ppm<br>0.02 | 4B<br>Er<br>ppm<br>0.03 | 4B<br>Tm<br>ppm<br>0.01 | 4B<br>Yb<br>ppm<br>0.05 | 4B<br>Lu<br>ppm<br>0.01 | 1DX<br>Mo<br>ppm<br>0.1 | 1DX<br>Cu<br>ppm<br>0.1 | 1DX<br>Pb<br>ppm<br>0.1 | 1DX<br>Zn<br>ppm<br>1 | 1DX<br>Ni<br>ppm<br>0.1 | 1DX<br>As<br>ppm<br>0.5 | 1DX<br>Cd<br>ppm<br>0.1 | 1DX<br>Sb<br>ppm<br>0.1 |
|-----------|------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| BLK       | Blank      | <0.02                   | <0.3                   | <0.05                   | <0.02                   | <0.05                   | <0.01                   | <0.05                   | <0.02                   | <0.03                   | <0.01                   | <0.05                   | <0.01                   |                         |                         |                         |                       |                         |                         |                         |                         |
| BLK       | Blank      | <0.02                   | <0.3                   | <0.05                   | <0.02                   | <0.05                   | <0.01                   | <0.05                   | <0.02                   | <0.03                   | <0.01                   | <0.05                   | <0.01                   |                         |                         |                         |                       |                         |                         |                         |                         |
| BLK       | Blank      |                         |                        |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         | <0.1                    | <0.1                    | <0.1                    | <1                    | <0.1                    | <0.5                    | <0.1                    | <0.1                    |
| Prep Wash |            |                         |                        |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         |                       |                         |                         |                         |                         |
| G1        | Prep Blank | 7.99                    | 26.6                   | 5.05                    | 1.36                    | 3.83                    | 0.59                    | 3.10                    | 0.65                    | 1.80                    | 0.33                    | 2.09                    | 0.33                    | 2.5                     | 43.9                    | 3.9                     | 51                    | 3.1                     | <0.5                    | <0.1                    | <0.1                    |
| G1        | Prep Blank |                         |                        |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         | 2.8                     | 13.7                    | 3.4                     | 48                    | 3.6                     | <0.5                    | <0.1                    | <0.1                    |
| G1        | Prep Blank | 7.15                    | 24.8                   | 4.74                    | 1.22                    | 3.51                    | 0.56                    | 3.01                    | 0.60                    | 2.00                    | 0.30                    | 2.01                    | 0.35                    |                         |                         |                         |                       |                         |                         |                         |                         |



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**Project:** TING PROP C

**Report Date:** August 23, 2011

**Page:** 2 of 2 **Part** 3

## QUALITY CONTROL REPORT

VAN11003256.1

|           |            | 1DX<br>Bi<br>ppm<br>0.1 | 1DX<br>Ag<br>ppm<br>0.1 | 1DX<br>Au<br>ppb<br>0.5 | 1DX<br>Hg<br>ppm<br>0.01 | 1DX<br>Tl<br>ppm<br>0.1 | 1DX<br>Se<br>ppm<br>0.5 |
|-----------|------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|
| BLK       | Blank      |                         |                         |                         |                          |                         |                         |
| BLK       | Blank      |                         |                         |                         |                          |                         |                         |
| BLK       | Blank      | <0.1                    | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| Prep Wash |            |                         |                         |                         |                          |                         |                         |
| G1        | Prep Blank | 0.2                     | <0.1                    | 65.7                    | <0.01                    | 0.3                     | <0.5                    |
| G1        | Prep Blank | <0.1                    | <0.1                    | 1.9                     | <0.01                    | 0.3                     | <0.5                    |
| G1        | Prep Blank |                         |                         |                         |                          |                         |                         |



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537 Kenneth Street  
Victoria BC V8Z 2B6 Canada

Submitted By: Allison Brand

Receiving Lab: Canada-Vancouver

Received: August 17, 2011

Report Date: October 14, 2011

Page: 1 of 2

## CERTIFICATE OF ANALYSIS

VAN11004019.1

### CLIENT JOB INFORMATION

Project: TING 2A  
Shipment ID: 11545800604  
P.O. Number  
Number of Samples: 24

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                                  | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|---------------------------------------------------|--------------|---------------|-----|
| R200-250    | 24                | Crush, split and pulverize 250 g rock to 200 mesh |              |               | VAN |
| 4B02        | 24                | LiBO2/Li2B4O7 fusion ICP-MS analysis              | 0.2          | Completed     | VAN |

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT Store After 90 days Invoice for Storage

### 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: Harsbo Minerals Ltd.  
4758 Victory Street  
Burnaby BC V5J 1S2  
Canada

CC: David Turner  
Lee A. Groat  
Michael Burns  
Thomas Hasek



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



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537 Kenneth Street  
Victoria BC V8Z 2B6 Canada

Project: TING 2A  
Report Date: October 14, 2011

Page: 2 of 2 Part 1

## CERTIFICATE OF ANALYSIS

VAN11004019.1

|             | Method<br>Analyte<br>Unit<br>MDL | WGHT | 4B     | 4B  | 4B   | 4B   | 4B   | 4B   | 4B   | 4B    | 4B  | 4B    | 4B   | 4B   | 4B  | 4B  | 4B   | 4B    | 4B   | 4B   | 4B   |
|-------------|----------------------------------|------|--------|-----|------|------|------|------|------|-------|-----|-------|------|------|-----|-----|------|-------|------|------|------|
|             |                                  | Wgt  | Ba     | Be  | Co   | Cs   | Ga   | Hf   | Nb   | Rb    | Sn  | Sr    | Ta   | Th   | U   | V   | W    | Zr    | Y    | La   | Ce   |
|             |                                  | kg   | ppm    | ppm | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm | ppm   | ppm  | ppm  | ppm | ppm | ppm  | ppm   | ppm  | ppm  | ppm  |
|             |                                  | 0.01 | 1      | 1   | 0.2  | 0.1  | 0.5  | 0.1  | 0.1  | 0.1   | 1   | 0.5   | 0.1  | 0.2  | 0.1 | 8   | 0.5  | 0.1   | 0.1  | 0.1  | 0.1  |
| 11-MGB-349  | Rock                             | 1.61 | 903    | 2   | <0.2 | 7.3  | 13.8 | 3.3  | 13.5 | 390.4 | 1   | 22.8  | 1.5  | 8.7  | 2.5 | 34  | 6.7  | 95.4  | 5.6  | 18.5 | 23.4 |
| 11-MGB-350  | Rock                             | 2.27 | 404    | 1   | 18.9 | 2.8  | 4.8  | 0.6  | 2.4  | 97.1  | <1  | 17.4  | 0.3  | 1.7  | 1.4 | 12  | 7.0  | 17.9  | 4.5  | 4.0  | 15.9 |
| 11-MGB-368  | Rock                             | 0.94 | 38     | 2   | 0.3  | 0.7  | 1.7  | 3.2  | 8.8  | 15.1  | <1  | 30.4  | 0.5  | 2.3  | 0.8 | 8   | <0.5 | 141.5 | 4.4  | 7.3  | 14.0 |
| 11-MGB-424  | Rock                             | 1.47 | 638    | <1  | 45.6 | 1.2  | 20.7 | 5.3  | 35.3 | 17.6  | 1   | 315.2 | 2.0  | 3.7  | 0.8 | 294 | <0.5 | 207.6 | 27.1 | 25.4 | 57.2 |
| 11-MGB-417  | Rock                             | 1.78 | 45     | <1  | 0.3  | 0.2  | 1.2  | 5.5  | 2.5  | 2.7   | <1  | 23.4  | 0.1  | 1.5  | 0.8 | 14  | <0.5 | 224.0 | 4.2  | 5.8  | 11.3 |
| 11-MGB-419  | Rock                             | 0.86 | 25     | <1  | 1.3  | <0.1 | 1.7  | 13.2 | 5.1  | 1.1   | <1  | 22.3  | 0.4  | 3.4  | 1.4 | 16  | <0.5 | 540.4 | 9.3  | 11.9 | 22.7 |
| 11-MGB-418  | Rock                             | 0.84 | 16     | <1  | 0.9  | <0.1 | 0.6  | 7.6  | 1.7  | 0.7   | <1  | 7.2   | 0.2  | 1.4  | 0.6 | 11  | <0.5 | 288.7 | 10.6 | 4.7  | 9.3  |
| 11-MGB-431  | Rock                             | 0.41 | 300    | 1   | 3.4  | 0.1  | 1.3  | 0.2  | 1.0  | 4.0   | <1  | 37.4  | <0.1 | 0.8  | 1.9 | 12  | <0.5 | 9.5   | 17.3 | 14.4 | 40.6 |
| 11-MGB-436  | Rock                             | 2.20 | 140    | <1  | 5.6  | 2.5  | 9.8  | 16.5 | 11.7 | 76.7  | 2   | 40.3  | 0.9  | 9.4  | 2.5 | 49  | 2.5  | 648.9 | 27.8 | 23.4 | 48.8 |
| 11-MGB-435  | Rock                             | 1.79 | 116    | 1   | 6.6  | 2.5  | 9.1  | 4.4  | 6.5  | 68.1  | 1   | 15.8  | 0.4  | 6.6  | 1.5 | 44  | 1.1  | 174.1 | 27.9 | 25.4 | 57.8 |
| 11-MGB-437  | Rock                             | 1.39 | >50000 | <1  | 1.1  | 0.3  | 2.0  | 0.4  | 1.0  | 9.8   | <1  | 5146  | 0.8  | 0.7  | 0.6 | 21  | 0.7  | 14.3  | 1.2  | 7.3  | 11.9 |
| 11-MGB-438  | Rock                             | 0.57 | 94     | <1  | 1.3  | <0.1 | <0.5 | <0.1 | 0.5  | 2.4   | <1  | 10.3  | <0.1 | <0.2 | 0.6 | 20  | 1.4  | 5.0   | 0.8  | 2.1  | 3.5  |
| 11-J2-136   | Rock                             | 1.70 | 83     | <1  | 0.7  | 0.2  | 2.3  | 3.5  | 2.6  | 4.4   | <1  | 53.1  | 0.1  | 1.4  | 0.4 | 30  | <0.5 | 127.7 | 3.2  | 6.9  | 13.2 |
| 11-AAB-0390 | Rock                             | 0.70 | 65     | <1  | 0.3  | 0.1  | 3.4  | 1.2  | 0.9  | 5.4   | <1  | 73.7  | <0.1 | 2.9  | 0.7 | 19  | <0.5 | 46.4  | 2.4  | 7.5  | 15.7 |
| 11-BCQ-0222 | Rock                             | 1.21 | 74     | <1  | 1.4  | 0.4  | 3.7  | 2.6  | 2.4  | 19.2  | <1  | 43.2  | 0.2  | 2.6  | 1.1 | 23  | <0.5 | 100.3 | 5.3  | 8.8  | 17.5 |
| 11-BCQ-0191 | Rock                             | 1.70 | 43     | 1   | 0.3  | <0.1 | 1.8  | 2.0  | 3.0  | 3.2   | <1  | 37.4  | 0.2  | 1.9  | 1.0 | 22  | <0.5 | 76.3  | 78.1 | 14.3 | 40.9 |
| 11-BCQ-0242 | Rock                             | 0.95 | 61     | <1  | 3.2  | 0.5  | 4.3  | 2.3  | 3.8  | 24.1  | <1  | 39.2  | 0.3  | 4.0  | 1.4 | 26  | <0.5 | 90.9  | 7.1  | 14.3 | 29.9 |
| 11-BCQ-0213 | Rock                             | 1.29 | 6      | <1  | <0.2 | <0.1 | <0.5 | 0.2  | <0.1 | 0.3   | <1  | 36.2  | <0.1 | <0.2 | 1.0 | 15  | <0.5 | 1.4   | 2.3  | 1.1  | 1.0  |
| 11-BCQ-0246 | Rock                             | 1.59 | 46     | <1  | 1.2  | 0.2  | 2.3  | 2.6  | 2.2  | 14.2  | <1  | 44.2  | 0.1  | 2.4  | 1.2 | 19  | <0.5 | 102.8 | 5.2  | 7.7  | 14.7 |
| 11-BCQ-0197 | Rock                             | 1.21 | 19     | 2   | 0.3  | 0.3  | 2.1  | 1.9  | 6.3  | 8.6   | <1  | 8.3   | 0.3  | 1.8  | 0.5 | 22  | <0.5 | 69.0  | 3.4  | 8.1  | 15.9 |
| 11-MGB-432  | Rock                             | 0.79 | 1114   | 2   | 0.9  | 1.2  | 17.7 | 7.8  | 51.8 | 56.0  | 2   | 8.9   | 3.1  | 9.4  | 2.0 | 133 | 0.6  | 287.4 | 19.6 | 28.3 | 58.2 |
| 11-MGB-439  | Rock                             | 0.76 | 123    | <1  | 3.6  | <0.1 | 0.7  | 0.3  | 0.6  | 1.4   | <1  | 29.5  | <0.1 | 0.4  | 0.5 | 11  | 0.6  | 10.3  | 1.5  | 1.5  | 2.3  |
| 11-MGB-427  | Rock                             | 0.88 | 716    | <1  | 5.4  | 1.4  | 9.3  | 4.5  | 32.0 | 49.0  | 1   | 55.7  | 1.9  | 5.6  | 1.1 | 125 | 0.6  | 176.9 | 22.8 | 21.5 | 49.8 |
| 11-MGB-441  | Rock                             | 2.08 | 269    | 3   | 11.0 | 10.0 | 16.9 | 3.5  | 12.0 | 159.1 | 3   | 10.2  | 1.0  | 18.5 | 4.5 | 82  | 2.0  | 127.7 | 43.8 | 48.3 | 99.9 |



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Project: TING 2A

Report Date: October 14, 2011

Page: 2 of 2 Part 2

## CERTIFICATE OF ANALYSIS

VAN11004019.1

|             | Method<br>Analyte<br>Unit<br>MDL | 4B    | 4B   | 4B   | 4B   | 4B    | 4B   | 4B    | 4B   | 4B   | 4B    | 4B    | 1DX  | 1DX  | 1DX  | 1DX   | 1DX | 1DX  | 1DX  |
|-------------|----------------------------------|-------|------|------|------|-------|------|-------|------|------|-------|-------|------|------|------|-------|-----|------|------|
|             |                                  | Pr    | Nd   | Sm   | Eu   | Gd    | Tb   | Dy    | Ho   | Er   | Tm    | Yb    | Lu   | Mo   | Cu   | Pb    | Zn  | Ni   | As   |
|             |                                  | ppm   | ppm  | ppm  | ppm  | ppm   | ppm  | ppm   | ppm  | ppm  | ppm   | ppm   | ppm  | ppm  | ppm  | ppm   | ppm | ppm  | ppm  |
|             |                                  | 0.02  | 0.3  | 0.05 | 0.02 | 0.05  | 0.01 | 0.05  | 0.02 | 0.03 | 0.01  | 0.05  | 0.01 | 0.1  | 0.1  | 0.1   | 1   | 0.1  | 0.5  |
| 11-MGB-349  | Rock                             | 2.94  | 9.4  | 1.61 | 0.27 | 1.06  | 0.16 | 1.06  | 0.19 | 0.62 | 0.13  | 0.94  | 0.15 | 65.0 | 13.6 | 212.8 | 25  | 0.5  | 3.5  |
| 11-MGB-350  | Rock                             | 1.23  | 5.2  | 1.23 | 0.39 | 1.15  | 0.18 | 1.10  | 0.20 | 0.46 | 0.09  | 0.58  | 0.09 | 10.8 | 48.4 | 945.0 | 197 | 2.9  | 4.3  |
| 11-MGB-368  | Rock                             | 1.49  | 4.6  | 0.83 | 0.18 | 0.78  | 0.12 | 0.79  | 0.18 | 0.53 | 0.09  | 0.52  | 0.08 | 0.3  | 0.8  | 1.6   | 2   | 0.7  | 0.6  |
| 11-MGB-424  | Rock                             | 7.26  | 31.6 | 6.63 | 2.10 | 6.87  | 0.98 | 5.24  | 0.95 | 2.66 | 0.39  | 2.37  | 0.31 | 0.7  | 93.5 | 4.0   | 102 | 48.1 | <0.5 |
| 11-MGB-417  | Rock                             | 1.28  | 4.8  | 0.82 | 0.15 | 0.72  | 0.11 | 0.70  | 0.17 | 0.39 | 0.09  | 0.47  | 0.09 | 0.2  | 0.9  | 2.5   | <1  | 0.7  | <0.5 |
| 11-MGB-419  | Rock                             | 2.68  | 8.8  | 1.71 | 0.23 | 1.47  | 0.22 | 1.26  | 0.27 | 0.83 | 0.16  | 1.23  | 0.21 | 0.2  | 2.5  | 3.0   | 79  | 4.8  | 1.1  |
| 11-MGB-418  | Rock                             | 1.11  | 3.3  | 0.80 | 0.14 | 0.90  | 0.18 | 1.16  | 0.25 | 0.83 | 0.13  | 1.01  | 0.16 | <0.1 | 1.9  | 1.2   | 101 | 5.1  | <0.5 |
| 11-MGB-431  | Rock                             | 6.69  | 28.3 | 4.71 | 0.99 | 4.77  | 0.52 | 2.42  | 0.40 | 0.90 | 0.12  | 0.56  | 0.08 | 1.3  | 4.2  | 3.7   | 12  | 22.8 | 33.4 |
| 11-MGB-436  | Rock                             | 5.86  | 23.0 | 4.57 | 1.02 | 4.71  | 0.74 | 4.58  | 1.06 | 2.75 | 0.48  | 2.95  | 0.46 | <0.1 | 15.0 | 4.2   | 144 | 6.9  | <0.5 |
| 11-MGB-435  | Rock                             | 6.58  | 26.4 | 5.20 | 1.10 | 5.37  | 0.89 | 5.50  | 1.01 | 2.52 | 0.37  | 2.18  | 0.30 | 0.5  | 9.3  | 5.2   | 9   | 4.8  | 2.2  |
| 11-MGB-437  | Rock                             | 1.22  | 3.8  | 0.41 | 0.12 | 0.48  | 0.04 | 0.26  | 0.08 | 0.18 | 0.02  | 0.17  | 0.03 | <0.1 | 9.5  | 2.5   | 28  | 1.8  | 0.6  |
| 11-MGB-438  | Rock                             | 0.50  | 2.2  | 0.33 | 0.07 | 0.33  | 0.03 | 0.14  | 0.02 | 0.04 | <0.01 | <0.05 | 0.01 | 0.1  | 18.0 | 8.5   | 26  | 2.2  | 0.8  |
| 11-J2-136   | Rock                             | 1.57  | 6.8  | 0.93 | 0.20 | 0.78  | 0.11 | 0.58  | 0.10 | 0.34 | 0.06  | 0.48  | 0.07 | 0.2  | 1.2  | 0.6   | 2   | 1.2  | 2.2  |
| 11-AAB-0390 | Rock                             | 1.43  | 5.4  | 0.86 | 0.18 | 0.67  | 0.08 | 0.49  | 0.10 | 0.26 | 0.04  | 0.22  | 0.04 | 0.3  | 1.4  | 1.0   | 3   | 1.4  | 0.8  |
| 11-BCQ-0222 | Rock                             | 1.93  | 7.1  | 1.22 | 0.28 | 0.97  | 0.15 | 1.00  | 0.18 | 0.49 | 0.08  | 0.55  | 0.07 | 1.1  | 2.4  | 1.8   | 3   | 3.3  | 2.8  |
| 11-BCQ-0191 | Rock                             | 4.90  | 25.3 | 8.72 | 2.25 | 12.84 | 1.97 | 10.62 | 2.03 | 5.13 | 0.61  | 3.02  | 0.38 | 0.2  | 2.8  | 8.6   | 1   | 0.6  | 1.3  |
| 11-BCQ-0242 | Rock                             | 3.28  | 13.2 | 2.13 | 0.40 | 1.64  | 0.23 | 1.33  | 0.25 | 0.65 | 0.10  | 0.60  | 0.10 | 0.6  | 5.8  | 3.0   | 4   | 7.2  | 4.6  |
| 11-BCQ-0213 | Rock                             | 0.16  | 0.7  | 0.15 | 0.05 | 0.21  | 0.03 | 0.14  | 0.05 | 0.09 | 0.02  | 0.11  | 0.02 | 1.5  | 0.5  | 1.4   | 43  | 2.2  | 0.9  |
| 11-BCQ-0246 | Rock                             | 1.70  | 6.8  | 1.16 | 0.28 | 1.08  | 0.15 | 0.87  | 0.14 | 0.45 | 0.07  | 0.50  | 0.08 | 0.1  | 2.2  | 1.5   | 2   | 3.5  | 2.1  |
| 11-BCQ-0197 | Rock                             | 1.61  | 6.4  | 0.75 | 0.13 | 0.44  | 0.08 | 0.60  | 0.13 | 0.30 | 0.06  | 0.39  | 0.06 | 0.3  | 13.7 | 2.4   | 2   | 0.5  | 5.1  |
| 11-MGB-432  | Rock                             | 6.96  | 29.6 | 3.67 | 0.61 | 2.99  | 0.48 | 3.37  | 0.75 | 2.30 | 0.37  | 2.30  | 0.37 | 0.2  | 1.1  | 0.8   | 5   | 1.9  | <0.5 |
| 11-MGB-439  | Rock                             | 0.35  | 1.5  | 0.33 | 0.12 | 0.32  | 0.05 | 0.27  | 0.04 | 0.09 | 0.02  | 0.10  | 0.02 | 0.1  | 43.1 | 2.3   | 66  | 3.1  | 0.6  |
| 11-MGB-427  | Rock                             | 5.98  | 24.6 | 5.08 | 1.36 | 5.13  | 0.86 | 4.58  | 0.88 | 2.22 | 0.35  | 2.10  | 0.30 | 0.2  | 2.0  | 1.9   | 5   | 8.8  | 4.1  |
| 11-MGB-441  | Rock                             | 11.18 | 42.0 | 8.31 | 1.56 | 8.51  | 1.43 | 8.38  | 1.66 | 4.69 | 0.67  | 4.23  | 0.63 | 0.3  | 1.6  | 6.9   | 31  | 40.5 | 1.0  |



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**Report Date:** October 14, 2011

**Page:** 2 of 2 **Part** 3

## CERTIFICATE OF ANALYSIS

VAN11004019.1

|             | Method<br>Analyte<br>Unit<br>MDL | 1DX  | 1DX  | 1DX  | 1DX   | 1DX  | 1DX  |
|-------------|----------------------------------|------|------|------|-------|------|------|
|             |                                  | Bi   | Ag   | Au   | Hg    | Tl   | Se   |
|             |                                  | ppm  | ppm  | ppb  | ppm   | ppm  | ppm  |
|             |                                  | 0.1  | 0.1  | 0.5  | 0.01  | 0.1  | 0.5  |
| 11-MGB-349  | Rock                             | 0.2  | <0.1 | 1.9  | <0.01 | 0.4  | <0.5 |
| 11-MGB-350  | Rock                             | 0.3  | 0.4  | 0.7  | 0.01  | 0.7  | <0.5 |
| 11-MGB-368  | Rock                             | <0.1 | <0.1 | 1.2  | <0.01 | <0.1 | <0.5 |
| 11-MGB-424  | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-MGB-417  | Rock                             | <0.1 | <0.1 | 1.8  | <0.01 | <0.1 | <0.5 |
| 11-MGB-419  | Rock                             | <0.1 | <0.1 | 0.8  | <0.01 | <0.1 | <0.5 |
| 11-MGB-418  | Rock                             | <0.1 | <0.1 | 1.4  | 0.04  | <0.1 | <0.5 |
| 11-MGB-431  | Rock                             | <0.1 | <0.1 | 1.4  | <0.01 | <0.1 | <0.5 |
| 11-MGB-436  | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-MGB-435  | Rock                             | 0.4  | <0.1 | 2.3  | <0.01 | <0.1 | <0.5 |
| 11-MGB-437  | Rock                             | <0.1 | <0.1 | 1.5  | <0.01 | <0.1 | <0.5 |
| 11-MGB-438  | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-J2-136   | Rock                             | <0.1 | <0.1 | 0.9  | <0.01 | <0.1 | <0.5 |
| 11-AAB-0390 | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0222 | Rock                             | <0.1 | <0.1 | 0.7  | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0191 | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0242 | Rock                             | <0.1 | <0.1 | 0.7  | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0213 | Rock                             | <0.1 | <0.1 | <0.5 | 0.02  | <0.1 | <0.5 |
| 11-BCQ-0246 | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0197 | Rock                             | <0.1 | <0.1 | 0.7  | <0.01 | <0.1 | 0.6  |
| 11-MGB-432  | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-MGB-439  | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-MGB-427  | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-MGB-441  | Rock                             | 0.7  | <0.1 | 1.2  | <0.01 | <0.1 | <0.5 |



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Report Date:

October 14, 2011

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Part 1

## QUALITY CONTROL REPORT

VAN11004019.1

|                        | Method<br>Analyte<br>Unit<br>MDL | WGHT  | 4B   | 4B  | 4B   | 4B   | 4B   | 4B   | 4B   | 4B    | 4B  | 4B    | 4B   | 4B   | 4B   | 4B  | 4B   | 4B    | 4B   | 4B   | 4B   |
|------------------------|----------------------------------|-------|------|-----|------|------|------|------|------|-------|-----|-------|------|------|------|-----|------|-------|------|------|------|
|                        |                                  | Wgt   | Ba   | Be  | Co   | Cs   | Ga   | Hf   | Nb   | Rb    | Sn  | Sr    | Ta   | Th   | U    | V   | W    | Zr    | Y    | La   | Ce   |
|                        |                                  | kg    | ppm  | ppm | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm | ppm   | ppm  | ppm  | ppm  | ppm | ppm  | ppm   | ppm  | ppm  | ppm  |
|                        |                                  | 0.01  | 1    | 1   | 0.2  | 0.1  | 0.5  | 0.1  | 0.1  | 0.1   | 1   | 0.5   | 0.1  | 0.2  | 0.1  | 8   | 0.5  | 0.1   | 0.1  | 0.1  | 0.1  |
| Pulp Duplicates        |                                  |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |       |      |      |      |
| REP 11-MGB-438         | QC                               |       | 78   | <1  | 1.4  | 0.1  | <0.5 | 0.1  | 0.4  | 2.7   | <1  | 10.9  | <0.1 | <0.2 | 0.7  | 20  | 1.9  | 4.3   | 0.9  | 2.3  | 3.5  |
| 11-J2-136              | Rock                             | 1.70  | 83   | <1  | 0.7  | 0.2  | 2.3  | 3.5  | 2.6  | 4.4   | <1  | 53.1  | 0.1  | 1.4  | 0.4  | 30  | <0.5 | 127.7 | 3.2  | 6.9  | 13.2 |
| REP 11-J2-136          | QC                               |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |       |      |      |      |
| Core Reject Duplicates |                                  |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |       |      |      |      |
| 11-MGB-438             | Rock                             | 0.57  | 94   | <1  | 1.3  | <0.1 | <0.5 | <0.1 | 0.5  | 2.4   | <1  | 10.3  | <0.1 | <0.2 | 0.6  | 20  | 1.4  | 5.0   | 0.8  | 2.1  | 3.5  |
| DUP 11-MGB-438         | QC                               |       | 363  | <1  | 1.7  | <0.1 | 1.7  | 0.2  | 0.4  | 2.3   | <1  | 16.0  | <0.1 | <0.2 | 0.7  | 38  | 1.6  | 4.9   | 0.8  | 2.0  | 3.3  |
| Reference Materials    |                                  |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |       |      |      |      |
| STD DS8                | Standard                         |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |       |      |      |      |
| STD DS8                | Standard                         |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |       |      |      |      |
| STD OREAS45CA          | Standard                         |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |       |      |      |      |
| STD OREAS45CA          | Standard                         |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |       |      |      |      |
| STD SO-18              | Standard                         |       | 533  | <1  | 27.3 | 7.2  | 17.5 | 9.5  | 20.7 | 28.7  | 16  | 418.4 | 7.5  | 10.4 | 16.5 | 196 | 14.7 | 292.2 | 31.2 | 12.2 | 27.4 |
| STD SO-18              | Standard                         |       | 535  | <1  | 27.5 | 7.1  | 17.4 | 9.8  | 20.7 | 28.3  | 15  | 416.5 | 7.5  | 10.4 | 16.4 | 199 | 15.2 | 291.4 | 30.9 | 12.0 | 26.7 |
| STD SO-18              | Standard                         |       | 559  | <1  | 28.9 | 7.5  | 17.9 | 10.1 | 22.6 | 29.5  | 16  | 431.9 | 7.3  | 10.3 | 16.8 | 204 | 13.6 | 309.9 | 31.4 | 13.5 | 28.8 |
| STD SO-18              | Standard                         |       | 542  | <1  | 27.4 | 7.3  | 17.5 | 9.7  | 21.2 | 28.4  | 15  | 423.8 | 7.5  | 10.1 | 16.2 | 200 | 13.9 | 300.3 | 32.1 | 12.6 | 27.9 |
| STD DS8 Expected       |                                  |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |       |      |      |      |
| STD OREAS45CA Expected |                                  |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |       |      |      |      |
| STD SO-18 Expected     |                                  |       | 514  | 1   | 26.2 | 7.1  | 17.6 | 9.8  | 21.3 | 28.7  | 15  | 407.4 | 7.4  | 9.9  | 16.4 | 200 | 14.8 | 280   | 31   | 12.3 | 27.1 |
| BLK                    | Blank                            |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |       |      |      |      |
| BLK                    | Blank                            |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |       |      |      |      |
| BLK                    | Blank                            |       | <1   | <1  | <0.2 | <0.1 | <0.5 | <0.1 | <0.1 | <0.1  | <1  | <0.5  | <0.1 | <0.2 | <0.1 | <8  | <0.5 | <0.1  | <0.1 | <0.1 | <0.1 |
| BLK                    | Blank                            |       | <1   | <1  | <0.2 | <0.1 | <0.5 | <0.1 | <0.1 | <0.1  | <1  | <0.5  | <0.1 | <0.2 | <0.1 | <8  | <0.5 | <0.1  | <0.1 | <0.1 | <0.1 |
| Prep Wash              |                                  |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |       |      |      |      |
| G1                     | Prep Blank                       | <0.01 | 1067 | 2   | 4.2  | 4.0  | 17.5 | 4.6  | 22.9 | 129.1 | 1   | 794.3 | 1.4  | 9.6  | 3.7  | 45  | <0.5 | 147.8 | 15.6 | 35.3 | 67.4 |
| G1                     | Prep Blank                       | <0.01 | 1254 | 5   | 5.0  | 4.7  | 19.6 | 4.6  | 25.8 | 139.7 | 2   | 855.5 | 1.7  | 8.4  | 3.6  | 50  | <0.5 | 159.0 | 17.2 | 31.6 | 62.9 |



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Part 2

## QUALITY CONTROL REPORT

VAN11004019.1

|                        | Method<br>Analyte<br>Unit<br>MDL | 4B    | 4B   | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 1DX   | 1DX   | 1DX   | 1DX | 1DX   | 1DX  | 1DX  | 1DX  |  |  |  |
|------------------------|----------------------------------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-------|------|------|------|--|--|--|
|                        |                                  | Pr    | Nd   | Sm    | Eu    | Gd    | Tb    | Dy    | Ho    | Er    | Tm    | Yb    | Lu    | Mo    | Cu    | Pb    | Zn  | Ni    | As   | Cd   | Sb   |  |  |  |
|                        |                                  | ppm   | ppm  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm | ppm   | ppm  | ppm  | ppm  |  |  |  |
|                        |                                  | 0.02  | 0.3  | 0.05  | 0.02  | 0.05  | 0.01  | 0.05  | 0.02  | 0.03  | 0.01  | 0.05  | 0.01  | 0.1   | 0.1   | 0.1   | 1   | 0.1   | 0.5  | 0.1  | 0.1  |  |  |  |
| Pulp Duplicates        |                                  |       |      |       |       |       |       |       |       |       |       |       |       |       |       |       |     |       |      |      |      |  |  |  |
| REP 11-MGB-438         | QC                               | 0.52  | 1.9  | 0.36  | 0.08  | 0.35  | 0.03  | 0.18  | 0.04  | 0.07  | <0.01 | 0.11  | 0.01  |       |       |       |     |       |      |      |      |  |  |  |
| 11-J2-136              | Rock                             | 1.57  | 6.8  | 0.93  | 0.20  | 0.78  | 0.11  | 0.58  | 0.10  | 0.34  | 0.06  | 0.48  | 0.07  | 0.2   | 1.2   | 0.6   | 2   | 1.2   | 2.2  | <0.1 | <0.1 |  |  |  |
| REP 11-J2-136          | QC                               |       |      |       |       |       |       |       |       |       |       |       |       | 0.3   | 1.2   | 0.6   | 2   | 1.1   | 2.1  | <0.1 | <0.1 |  |  |  |
| Core Reject Duplicates |                                  |       |      |       |       |       |       |       |       |       |       |       |       |       |       |       |     |       |      |      |      |  |  |  |
| 11-MGB-438             | Rock                             | 0.50  | 2.2  | 0.33  | 0.07  | 0.33  | 0.03  | 0.14  | 0.02  | 0.04  | <0.01 | <0.05 | 0.01  | 0.1   | 18.0  | 8.5   | 26  | 2.2   | 0.8  | 0.1  | 0.4  |  |  |  |
| DUP 11-MGB-438         | QC                               | 0.50  | 2.6  | 0.34  | 0.09  | 0.32  | 0.03  | 0.22  | 0.03  | 0.04  | 0.01  | 0.06  | 0.01  | <0.1  | 19.9  | 9.2   | 29  | 2.5   | 1.1  | 0.1  | 0.4  |  |  |  |
| Reference Materials    |                                  |       |      |       |       |       |       |       |       |       |       |       |       |       |       |       |     |       |      |      |      |  |  |  |
| STD DS8                | Standard                         |       |      |       |       |       |       |       |       |       |       |       |       | 9.6   | 109.9 | 115.5 | 307 | 38.9  | 25.6 | 2.3  | 3.1  |  |  |  |
| STD DS8                | Standard                         |       |      |       |       |       |       |       |       |       |       |       |       | 13.2  | 110.2 | 124.8 | 313 | 38.8  | 23.7 | 2.2  | 4.1  |  |  |  |
| STD OREAS45CA          | Standard                         |       |      |       |       |       |       |       |       |       |       |       |       | 0.7   | 502.6 | 19.5  | 61  | 245.4 | 2.7  | 0.1  | <0.1 |  |  |  |
| STD OREAS45CA          | Standard                         |       |      |       |       |       |       |       |       |       |       |       |       | 0.8   | 505.8 | 19.8  | 56  | 243.1 | 3.4  | <0.1 | <0.1 |  |  |  |
| STD SO-18              | Standard                         | 3.37  | 14.2 | 2.93  | 0.89  | 2.94  | 0.49  | 3.06  | 0.62  | 1.84  | 0.28  | 1.79  | 0.27  |       |       |       |     |       |      |      |      |  |  |  |
| STD SO-18              | Standard                         | 3.31  | 13.9 | 2.99  | 0.86  | 2.92  | 0.49  | 3.00  | 0.60  | 1.72  | 0.27  | 1.77  | 0.27  |       |       |       |     |       |      |      |      |  |  |  |
| STD SO-18              | Standard                         | 3.57  | 14.0 | 2.93  | 0.90  | 3.15  | 0.50  | 3.06  | 0.61  | 1.86  | 0.28  | 1.72  | 0.26  |       |       |       |     |       |      |      |      |  |  |  |
| STD SO-18              | Standard                         | 3.50  | 14.4 | 3.02  | 0.90  | 3.00  | 0.49  | 2.95  | 0.59  | 1.90  | 0.28  | 1.83  | 0.27  |       |       |       |     |       |      |      |      |  |  |  |
| STD DS8 Expected       |                                  |       |      |       |       |       |       |       |       |       |       |       |       | 13.44 | 110   | 123   | 312 | 38.1  | 26   | 2.38 | 4.8  |  |  |  |
| STD OREAS45CA Expected |                                  |       |      |       |       |       |       |       |       |       |       |       |       | 1     | 494   | 20    | 60  | 240   | 3.8  | 0.1  | 0.13 |  |  |  |
| STD SO-18 Expected     |                                  | 3.45  | 14   | 3     | 0.89  | 2.93  | 0.53  | 3     | 0.62  | 1.84  | 0.27  | 1.79  | 0.27  |       |       |       |     |       |      |      |      |  |  |  |
| BLK                    | Blank                            |       |      |       |       |       |       |       |       |       |       |       |       | <0.1  | <0.1  | <0.1  | <1  | <0.1  | <0.5 | <0.1 | <0.1 |  |  |  |
| BLK                    | Blank                            |       |      |       |       |       |       |       |       |       |       |       |       | <0.1  | <0.1  | <0.1  | <1  | <0.1  | <0.5 | <0.1 | <0.1 |  |  |  |
| BLK                    | Blank                            | <0.02 | <0.3 | <0.05 | <0.02 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 |       |       |       |     |       |      |      |      |  |  |  |
| BLK                    | Blank                            | <0.02 | <0.3 | <0.05 | <0.02 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 |       |       |       |     |       |      |      |      |  |  |  |
| Prep Wash              |                                  |       |      |       |       |       |       |       |       |       |       |       |       |       |       |       |     |       |      |      |      |  |  |  |
| G1                     | Prep Blank                       | 7.44  | 26.5 | 4.43  | 1.12  | 3.41  | 0.48  | 2.67  | 0.52  | 1.54  | 0.25  | 1.58  | 0.28  | 0.4   | 2.2   | 2.9   | 44  | 2.3   | <0.5 | <0.1 | <0.1 |  |  |  |
| G1                     | Prep Blank                       | 7.33  | 26.9 | 4.72  | 1.21  | 3.64  | 0.52  | 3.13  | 0.61  | 1.51  | 0.30  | 1.99  | 0.31  | 0.3   | 2.3   | 3.3   | 45  | 2.8   | <0.5 | <0.1 | <0.1 |  |  |  |



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**Project:** TING 2A

**Report Date:** October 14, 2011

**Page:** 1 of 1 **Part** 3

## QUALITY CONTROL REPORT

VAN11004019.1

|                        | Method<br>Analyte<br>Unit<br>MDL | 1DX  | 1DX   | 1DX   | 1DX   | 1DX  | 1DX  |
|------------------------|----------------------------------|------|-------|-------|-------|------|------|
|                        |                                  | Bi   | Ag    | Au    | Hg    | Tl   | Se   |
|                        |                                  | ppm  | ppm   | ppb   | ppm   | ppm  | ppm  |
|                        |                                  | 0.1  | 0.1   | 0.5   | 0.01  | 0.1  | 0.5  |
| Pulp Duplicates        |                                  |      |       |       |       |      |      |
| REP 11-MGB-438         | QC                               |      |       |       |       |      |      |
| 11-J2-136              | Rock                             | <0.1 | <0.1  | 0.9   | <0.01 | <0.1 | <0.5 |
| REP 11-J2-136          | QC                               | <0.1 | <0.1  | 0.6   | 0.01  | <0.1 | <0.5 |
| Core Reject Duplicates |                                  |      |       |       |       |      |      |
| 11-MGB-438             | Rock                             | <0.1 | <0.1  | <0.5  | <0.01 | <0.1 | <0.5 |
| DUP 11-MGB-438         | QC                               | <0.1 | <0.1  | <0.5  | <0.01 | <0.1 | <0.5 |
| Reference Materials    |                                  |      |       |       |       |      |      |
| STD DS8                | Standard                         | 6.0  | 1.5   | 111.3 | 0.16  | 5.1  | 5.7  |
| STD DS8                | Standard                         | 6.2  | 1.7   | 123.9 | 0.21  | 5.5  | 5.0  |
| STD OREAS45CA          | Standard                         | 0.2  | 0.3   | 37.0  | 0.04  | <0.1 | <0.5 |
| STD OREAS45CA          | Standard                         | 0.2  | 0.2   | 34.8  | 0.02  | 0.1  | <0.5 |
| STD SO-18              | Standard                         |      |       |       |       |      |      |
| STD SO-18              | Standard                         |      |       |       |       |      |      |
| STD SO-18              | Standard                         |      |       |       |       |      |      |
| STD SO-18              | Standard                         |      |       |       |       |      |      |
| STD DS8 Expected       |                                  | 6.67 | 1.69  | 107   | 0.192 | 5.4  | 5.23 |
| STD OREAS45CA Expected |                                  | 0.19 | 0.275 | 43    | 0.03  | 0.07 | 0.5  |
| STD SO-18 Expected     |                                  |      |       |       |       |      |      |
| BLK                    | Blank                            | <0.1 | <0.1  | <0.5  | <0.01 | <0.1 | <0.5 |
| BLK                    | Blank                            | <0.1 | <0.1  | <0.5  | <0.01 | <0.1 | <0.5 |
| BLK                    | Blank                            |      |       |       |       |      |      |
| BLK                    | Blank                            |      |       |       |       |      |      |
| Prep Wash              |                                  |      |       |       |       |      |      |
| G1                     | Prep Blank                       | <0.1 | <0.1  | <0.5  | <0.01 | 0.3  | <0.5 |
| G1                     | Prep Blank                       | <0.1 | <0.1  | 1.2   | <0.01 | 0.3  | <0.5 |



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Submitted By: Allison Brand

Receiving Lab: Canada-Vancouver

Received: August 17, 2011

Report Date: November 10, 2011

Page: 1 of 8

## CERTIFICATE OF ANALYSIS

VAN11004020.1

### CLIENT JOB INFORMATION

Project: TING 2A  
Shipment ID: 11545800604  
P.O. Number  
Number of Samples: 195

### SAMPLE DISPOSAL

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

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

Invoice To: Harsbo Minerals Ltd.  
4758 Victory Street  
Burnaby BC V5J 1S2  
Canada

CC: David Turner  
Lee A. Groat  
Michael Burns  
Thomas Hasek

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                     | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|--------------------------------------|--------------|---------------|-----|
| Dry at 60C  | 195               | Dry at 60C                           |              |               | VAN |
| SS80        | 195               | Dry at 60C sieve 100g to -80 mesh    |              |               | VAN |
| RJSV        | 195               | Saving all or part of Soil Reject    |              |               | VAN |
| 4B02        | 195               | LiBO2/Li2B4O7 fusion ICP-MS analysis | 0.2          | Completed     | VAN |

### ADDITIONAL COMMENTS



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



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Project: TING 2A

Report Date: November 10, 2011

Page: 2 of 8 Part 1

## CERTIFICATE OF ANALYSIS

VAN11004020.1

|            | Method<br>Analyte<br>Unit<br>MDL | 4B<br>Ba<br>ppm<br>1 | 4B<br>Be<br>ppm<br>1 | 4B<br>Co<br>ppm<br>0.2 | 4B<br>Cs<br>ppm<br>0.1 | 4B<br>Ga<br>ppm<br>0.5 | 4B<br>Hf<br>ppm<br>0.1 | 4B<br>Nb<br>ppm<br>0.1 | 4B<br>Rb<br>ppm<br>0.1 | 4B<br>Sn<br>ppm<br>1 | 4B<br>Sr<br>ppm<br>0.5 | 4B<br>Ta<br>ppm<br>0.1 | 4B<br>Th<br>ppm<br>0.2 | 4B<br>U<br>ppm<br>0.1 | 4B<br>V<br>ppm<br>8 | 4B<br>W<br>ppm<br>0.5 | 4B<br>Zr<br>ppm<br>0.1 | 4B<br>Y<br>ppm<br>0.1 | 4B<br>La<br>ppm<br>0.1 | 4B<br>Ce<br>ppm<br>0.1 | 4B<br>Pr<br>ppm<br>0.02 |
|------------|----------------------------------|----------------------|----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|----------------------|------------------------|------------------------|------------------------|-----------------------|---------------------|-----------------------|------------------------|-----------------------|------------------------|------------------------|-------------------------|
|            |                                  |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| 11-MGB-364 | Soil                             | 490                  | <1                   | 6.8                    | 10.6                   | 15.2                   | 4.7                    | 14.1                   | 130.5                  | <1                   | 101.6                  | 0.8                    | 8.6                    | 2.6                   | 118                 | 11.9                  | 188.0                  | 13.0                  | 18.0                   | 49.0                   | 3.93                    |
| 11-MGB-343 | Soil                             | 624                  | <1                   | 3.8                    | 10.6                   | 12.9                   | 6.2                    | 11.4                   | 151.2                  | <1                   | 63.2                   | 0.8                    | 9.3                    | 3.0                   | 108                 | 18.8                  | 221.6                  | 32.8                  | 44.2                   | 45.6                   | 9.66                    |
| 11-MGB-347 | Soil                             | 729                  | 2                    | 1.7                    | 11.8                   | 15.0                   | 7.3                    | 15.7                   | 172.2                  | <1                   | 78.7                   | 1.0                    | 7.7                    | 2.5                   | 124                 | 7.7                   | 259.2                  | 16.2                  | 27.2                   | 54.1                   | 5.85                    |
| 11-MGB-342 | Soil                             | 775                  | <1                   | 5.3                    | 17.5                   | 14.7                   | 6.4                    | 16.3                   | 203.0                  | <1                   | 91.5                   | 1.1                    | 9.9                    | 2.7                   | 126                 | 6.6                   | 247.7                  | 18.9                  | 29.8                   | 56.9                   | 6.39                    |
| 11-MGB-341 | Soil                             | 770                  | <1                   | 5.6                    | 33.4                   | 19.7                   | 4.7                    | 12.8                   | 341.7                  | <1                   | 43.2                   | 0.8                    | 9.2                    | 3.1                   | 125                 | 26.1                  | 180.7                  | 9.4                   | 25.4                   | 47.4                   | 4.40                    |
| 11-MGB-348 | Soil                             | 698                  | 4                    | 4.4                    | 15.1                   | 14.7                   | 7.3                    | 13.1                   | 187.6                  | <1                   | 70.1                   | 0.9                    | 8.6                    | 2.8                   | 124                 | 6.3                   | 258.4                  | 16.3                  | 25.0                   | 48.7                   | 5.51                    |
| 11-MGB-344 | Soil                             | 687                  | 1                    | 6.9                    | 12.0                   | 13.0                   | 6.8                    | 13.2                   | 154.8                  | <1                   | 103.6                  | 0.9                    | 10.3                   | 2.6                   | 77                  | 24.8                  | 235.4                  | 23.1                  | 32.5                   | 55.2                   | 7.11                    |
| 11-MGB-346 | Soil                             | 685                  | 2                    | 6.9                    | 16.3                   | 15.0                   | 6.1                    | 15.6                   | 230.3                  | <1                   | 75.0                   | 1.1                    | 10.7                   | 3.1                   | 99                  | 20.3                  | 230.4                  | 13.6                  | 30.7                   | 57.8                   | 5.63                    |
| 11-MGB-345 | Soil                             | 672                  | <1                   | 11.4                   | 12.4                   | 14.3                   | 5.0                    | 16.4                   | 183.3                  | <1                   | 85.7                   | 1.1                    | 11.4                   | 2.8                   | 80                  | 15.0                  | 206.0                  | 23.6                  | 33.6                   | 59.3                   | 7.30                    |
| 11-MGB-339 | Soil                             | 563                  | <1                   | 5.9                    | 7.4                    | 10.7                   | 5.7                    | 10.8                   | 123.8                  | <1                   | 96.9                   | 0.7                    | 8.3                    | 2.4                   | 76                  | 16.7                  | 206.6                  | 20.2                  | 27.9                   | 50.2                   | 6.13                    |
| 11-MGB-340 | Soil                             | 658                  | 3                    | 5.9                    | 12.8                   | 13.6                   | 6.1                    | 12.9                   | 202.1                  | <1                   | 88.0                   | 0.9                    | 9.3                    | 3.0                   | 89                  | 15.5                  | 245.9                  | 17.1                  | 25.7                   | 50.5                   | 5.84                    |
| 11-MGB-334 | Soil                             | 624                  | <1                   | 8.6                    | 11.5                   | 13.7                   | 7.9                    | 14.0                   | 147.7                  | <1                   | 115.4                  | 1.0                    | 9.1                    | 2.9                   | 91                  | 19.5                  | 283.1                  | 23.4                  | 33.5                   | 63.0                   | 7.64                    |
| 11-MGB-335 | Soil                             | 570                  | <1                   | 5.8                    | 7.2                    | 11.1                   | 6.5                    | 10.8                   | 121.6                  | <1                   | 97.9                   | 0.6                    | 8.5                    | 3.7                   | 75                  | 12.9                  | 224.9                  | 18.2                  | 26.0                   | 51.8                   | 6.02                    |
| 11-MGB-338 | Soil                             | 412                  | <1                   | 4.3                    | 4.7                    | 6.8                    | 4.9                    | 10.7                   | 74.0                   | <1                   | 87.5                   | 0.8                    | 6.5                    | 2.1                   | 63                  | 5.4                   | 186.1                  | 17.1                  | 21.6                   | 44.4                   | 4.90                    |
| 11-MGB-337 | Soil                             | 496                  | 2                    | 6.4                    | 11.6                   | 11.1                   | 6.0                    | 10.3                   | 129.7                  | <1                   | 73.4                   | 0.9                    | 9.1                    | 2.6                   | 71                  | 11.6                  | 222.8                  | 13.4                  | 22.1                   | 58.6                   | 4.97                    |
| 11-MGB-336 | Soil                             | 684                  | <1                   | 10.1                   | 8.2                    | 11.8                   | 6.3                    | 12.9                   | 152.4                  | <1                   | 95.3                   | 1.0                    | 9.6                    | 2.8                   | 78                  | 22.5                  | 220.8                  | 22.1                  | 35.1                   | 69.0                   | 8.16                    |
| 11-MGB-333 | Soil                             | 633                  | 3                    | 6.0                    | 21.3                   | 13.2                   | 6.4                    | 14.2                   | 140.0                  | <1                   | 103.0                  | 1.1                    | 10.9                   | 4.6                   | 91                  | 9.3                   | 214.5                  | 29.0                  | 35.3                   | 54.9                   | 7.72                    |
| 11-MGB-363 | Soil                             | 667                  | <1                   | 5.3                    | 11.1                   | 14.5                   | 7.1                    | 15.1                   | 125.6                  | <1                   | 103.6                  | 1.1                    | 8.7                    | 2.4                   | 109                 | 4.6                   | 241.0                  | 16.8                  | 26.7                   | 53.2                   | 5.99                    |
| 11-MGB-362 | Soil                             | 739                  | <1                   | 6.7                    | 10.3                   | 15.2                   | 7.5                    | 16.6                   | 128.4                  | <1                   | 108.2                  | 1.2                    | 9.1                    | 2.9                   | 110                 | 3.9                   | 273.3                  | 19.3                  | 29.9                   | 57.8                   | 6.50                    |
| 11-MGB-361 | Soil                             | 615                  | <1                   | 4.7                    | 11.4                   | 13.2                   | 6.4                    | 13.5                   | 133.0                  | <1                   | 123.9                  | 1.2                    | 9.2                    | 2.6                   | 86                  | 6.7                   | 229.8                  | 19.3                  | 28.8                   | 52.3                   | 6.39                    |
| 11-MGB-360 | Soil                             | 605                  | 2                    | 6.6                    | 12.0                   | 13.6                   | 6.4                    | 13.8                   | 156.0                  | <1                   | 106.3                  | 1.0                    | 9.9                    | 3.8                   | 85                  | 56.7                  | 232.0                  | 23.1                  | 31.8                   | 56.6                   | 7.21                    |
| 11-MGB-359 | Soil                             | 556                  | 6                    | 7.7                    | 13.2                   | 13.9                   | 5.8                    | 14.1                   | 126.8                  | <1                   | 120.4                  | 0.9                    | 8.6                    | 3.6                   | 93                  | 56.3                  | 207.2                  | 21.6                  | 27.2                   | 53.1                   | 6.08                    |
| 11-MGB-358 | Soil                             | 515                  | 4                    | 7.2                    | 5.3                    | 9.8                    | 6.2                    | 11.4                   | 87.2                   | <1                   | 100.2                  | 0.8                    | 8.4                    | 2.3                   | 61                  | 46.7                  | 241.0                  | 19.8                  | 30.0                   | 60.2                   | 6.59                    |
| 11-MGB-357 | Soil                             | 648                  | 7                    | 6.0                    | 9.9                    | 12.4                   | 6.2                    | 13.5                   | 129.7                  | <1                   | 101.3                  | 0.9                    | 9.2                    | 2.7                   | 81                  | 8.3                   | 212.3                  | 19.3                  | 27.3                   | 51.1                   | 6.20                    |
| 11-MGB-356 | Soil                             | 510                  | 2                    | 6.0                    | 10.3                   | 12.8                   | 6.1                    | 12.1                   | 123.9                  | <1                   | 83.7                   | 1.0                    | 10.6                   | 3.0                   | 72                  | 14.4                  | 235.3                  | 23.7                  | 32.6                   | 50.4                   | 7.39                    |
| 11-MGB-355 | Soil                             | 618                  | <1                   | 6.9                    | 6.3                    | 11.3                   | 6.4                    | 13.6                   | 89.0                   | <1                   | 95.2                   | 0.9                    | 10.1                   | 3.8                   | 76                  | 6.8                   | 247.2                  | 22.0                  | 30.1                   | 58.7                   | 6.94                    |
| 11-J2-023  | Soil                             | 609                  | <1                   | 6.7                    | 13.9                   | 16.1                   | 5.4                    | 13.7                   | 164.8                  | <1                   | 151.6                  | 1.0                    | 8.2                    | 2.6                   | 86                  | 13.2                  | 193.4                  | 13.5                  | 24.1                   | 51.2                   | 5.08                    |
| 11-J2-024  | Soil                             | 619                  | 2                    | 8.8                    | 10.5                   | 12.4                   | 5.5                    | 13.2                   | 127.6                  | <1                   | 108.5                  | 1.1                    | 9.5                    | 3.3                   | 68                  | 18.0                  | 186.2                  | 23.4                  | 32.3                   | 60.8                   | 7.14                    |
| 11-J2-021  | Soil                             | 699                  | 3                    | 5.6                    | 10.6                   | 14.1                   | 6.9                    | 14.3                   | 140.6                  | <1                   | 104.2                  | 1.1                    | 9.5                    | 3.1                   | 88                  | 8.7                   | 250.3                  | 22.5                  | 32.0                   | 60.4                   | 7.32                    |
| 11-J2-025  | Soil                             | 561                  | 4                    | 7.9                    | 15.7                   | 13.4                   | 4.4                    | 13.3                   | 168.2                  | <1                   | 107.9                  | 0.8                    | 9.1                    | 4.1                   | 80                  | 19.9                  | 155.5                  | 18.2                  | 24.1                   | 48.1                   | 5.52                    |



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Project: TING 2A

Report Date: November 10, 2011

Page: 2 of 8 Part 2

## CERTIFICATE OF ANALYSIS

VAN11004020.1

|            | Method<br>Analyte<br>Unit<br>MDL | 4B         | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 1DX         | 1DX        | 1DX        | 1DX        | 1DX      | 1DX        | 1DX        | 1DX        |
|------------|----------------------------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|------------|----------|------------|------------|------------|
|            |                                  | Nd         | Sm          | Eu          | Gd          | Tb          | Dy          | Ho          | Er          | Tm          | Yb          | Lu          | Mo         | Cu         | Pb         | Zn       | Ni         | As         | Cd         |
|            |                                  | ppm<br>0.3 | ppm<br>0.05 | ppm<br>0.02 | ppm<br>0.05 | ppm<br>0.01 | ppm<br>0.05 | ppm<br>0.02 | ppm<br>0.03 | ppm<br>0.01 | ppm<br>0.05 | ppm<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.1 |
| 11-MGB-364 | Soil                             | 13.7       | 2.67        | 0.63        | 2.16        | 0.37        | 1.98        | 0.43        | 1.18        | 0.18        | 1.41        | 0.19        | 15.7       | 25.4       | 125.4      | 447      | 12.2       | 16.8       | 1.7        |
| 11-MGB-343 | Soil                             | 36.8       | 6.46        | 1.55        | 5.53        | 0.88        | 4.94        | 0.92        | 2.58        | 0.39        | 2.53        | 0.39        | 14.3       | 47.9       | 118.8      | 315      | 10.8       | 25.7       | 0.5        |
| 11-MGB-347 | Soil                             | 21.8       | 3.38        | 0.60        | 2.44        | 0.43        | 2.38        | 0.54        | 1.57        | 0.25        | 1.57        | 0.28        | 15.0       | 16.6       | 74.8       | 68       | 6.2        | 13.4       | <0.1       |
| 11-MGB-342 | Soil                             | 22.3       | 3.70        | 0.77        | 3.06        | 0.49        | 3.14        | 0.63        | 1.70        | 0.30        | 1.80        | 0.26        | 15.0       | 18.5       | 53.2       | 159      | 9.4        | 12.3       | 0.3        |
| 11-MGB-341 | Soil                             | 15.7       | 2.13        | 0.46        | 1.66        | 0.27        | 1.56        | 0.32        | 1.00        | 0.15        | 0.99        | 0.19        | 65.3       | 74.6       | 319.1      | 320      | 7.5        | 38.1       | 0.7        |
| 11-MGB-348 | Soil                             | 19.9       | 3.24        | 0.63        | 2.58        | 0.45        | 2.71        | 0.53        | 1.60        | 0.24        | 1.60        | 0.25        | 11.6       | 23.3       | 20.3       | 184      | 14.8       | 10.4       | 0.4        |
| 11-MGB-344 | Soil                             | 28.5       | 4.84        | 1.01        | 3.93        | 0.61        | 3.62        | 0.72        | 2.01        | 0.29        | 2.14        | 0.32        | 6.6        | 51.4       | 191.3      | 330      | 9.3        | 49.4       | 1.0        |
| 11-MGB-346 | Soil                             | 19.2       | 3.32        | 0.67        | 2.56        | 0.44        | 2.25        | 0.45        | 1.40        | 0.22        | 1.40        | 0.23        | 45.5       | 54.1       | 177.4      | 308      | 9.8        | 36.4       | 0.4        |
| 11-MGB-345 | Soil                             | 27.8       | 4.36        | 1.01        | 3.71        | 0.63        | 3.54        | 0.67        | 2.09        | 0.31        | 2.22        | 0.32        | 14.8       | 76.4       | 410.1      | 571      | 10.9       | 47.5       | 1.4        |
| 11-MGB-339 | Soil                             | 24.1       | 4.10        | 0.94        | 3.42        | 0.56        | 3.06        | 0.62        | 1.76        | 0.28        | 1.86        | 0.25        | 7.4        | 29.8       | 146.0      | 269      | 11.8       | 22.4       | 1.0        |
| 11-MGB-340 | Soil                             | 22.9       | 3.61        | 0.80        | 3.40        | 0.49        | 2.80        | 0.54        | 1.37        | 0.25        | 1.71        | 0.25        | 22.4       | 31.7       | 165.4      | 346      | 9.4        | 22.9       | 1.1        |
| 11-MGB-334 | Soil                             | 28.2       | 5.00        | 1.09        | 4.36        | 0.66        | 3.55        | 0.75        | 2.26        | 0.30        | 2.12        | 0.31        | 22.6       | 34.5       | 150.0      | 309      | 12.1       | 20.6       | 1.0        |
| 11-MGB-335 | Soil                             | 23.5       | 3.77        | 0.85        | 3.25        | 0.53        | 2.76        | 0.60        | 1.83        | 0.25        | 1.78        | 0.24        | 14.8       | 30.7       | 135.5      | 264      | 10.7       | 17.7       | 0.8        |
| 11-MGB-338 | Soil                             | 18.5       | 3.49        | 0.70        | 2.92        | 0.48        | 2.55        | 0.55        | 1.44        | 0.24        | 1.40        | 0.21        | 12.9       | 20.3       | 98.1       | 139      | 9.8        | 15.3       | 0.5        |
| 11-MGB-337 | Soil                             | 18.9       | 3.24        | 0.71        | 2.54        | 0.43        | 2.36        | 0.38        | 1.31        | 0.18        | 1.26        | 0.20        | 26.2       | 39.2       | 237.6      | 327      | 11.8       | 28.0       | 0.9        |
| 11-MGB-336 | Soil                             | 30.9       | 5.40        | 1.25        | 4.78        | 0.76        | 4.02        | 0.83        | 2.27        | 0.34        | 1.90        | 0.31        | 37.1       | 65.9       | 514.9      | 411      | 15.0       | 49.6       | 1.4        |
| 11-MGB-333 | Soil                             | 31.2       | 5.06        | 1.18        | 4.52        | 0.75        | 3.84        | 0.90        | 2.39        | 0.36        | 2.16        | 0.35        | 21.6       | 60.5       | 144.9      | 403      | 14.1       | 17.0       | 1.1        |
| 11-MGB-363 | Soil                             | 21.4       | 3.54        | 0.62        | 2.78        | 0.45        | 2.56        | 0.53        | 1.72        | 0.24        | 1.74        | 0.25        | 8.2        | 11.3       | 58.7       | 136      | 10.1       | 9.3        | 0.1        |
| 11-MGB-362 | Soil                             | 22.7       | 3.85        | 0.76        | 3.10        | 0.51        | 2.93        | 0.59        | 1.87        | 0.28        | 1.84        | 0.28        | 8.2        | 12.2       | 40.6       | 136      | 12.0       | 8.9        | 0.2        |
| 11-MGB-361 | Soil                             | 23.8       | 4.18        | 0.90        | 3.66        | 0.56        | 3.13        | 0.59        | 1.88        | 0.26        | 1.90        | 0.29        | 5.9        | 22.9       | 73.7       | 179      | 8.6        | 8.3        | 0.4        |
| 11-MGB-360 | Soil                             | 25.2       | 4.82        | 1.00        | 4.14        | 0.68        | 3.37        | 0.73        | 2.06        | 0.33        | 2.11        | 0.30        | 19.3       | 54.4       | 165.8      | 280      | 10.7       | 15.8       | 0.7        |
| 11-MGB-359 | Soil                             | 23.5       | 4.18        | 0.95        | 3.58        | 0.61        | 3.47        | 0.61        | 1.85        | 0.28        | 1.87        | 0.28        | 12.6       | 34.1       | 131.8      | 259      | 11.0       | 11.1       | 1.0        |
| 11-MGB-358 | Soil                             | 25.4       | 4.18        | 0.92        | 3.57        | 0.58        | 2.97        | 0.57        | 1.83        | 0.25        | 1.80        | 0.24        | 6.6        | 39.2       | 329.9      | 409      | 10.0       | 22.3       | 1.3        |
| 11-MGB-357 | Soil                             | 25.4       | 4.00        | 0.93        | 3.58        | 0.59        | 2.71        | 0.59        | 1.93        | 0.28        | 1.97        | 0.31        | 8.4        | 28.9       | 130.8      | 305      | 12.8       | 14.3       | 0.9        |
| 11-MGB-356 | Soil                             | 30.5       | 5.26        | 1.10        | 4.15        | 0.68        | 3.65        | 0.72        | 1.95        | 0.33        | 1.88        | 0.27        | 9.4        | 80.9       | 317.7      | 1303     | 12.6       | 23.2       | 4.1        |
| 11-MGB-355 | Soil                             | 30.0       | 4.61        | 1.01        | 4.06        | 0.64        | 3.20        | 0.72        | 2.25        | 0.30        | 2.03        | 0.30        | 3.6        | 35.5       | 103.9      | 345      | 14.3       | 14.1       | 1.6        |
| 11-J2-023  | Soil                             | 17.5       | 3.11        | 0.63        | 2.33        | 0.40        | 2.34        | 0.45        | 1.29        | 0.21        | 1.27        | 0.20        | 24.6       | 36.3       | 134.0      | 244      | 8.9        | 16.3       | 0.5        |
| 11-J2-024  | Soil                             | 27.3       | 4.70        | 1.10        | 4.31        | 0.66        | 3.64        | 0.72        | 1.97        | 0.31        | 2.22        | 0.30        | 30.4       | 53.6       | 300.5      | 409      | 12.2       | 28.9       | 1.3        |
| 11-J2-021  | Soil                             | 29.2       | 4.68        | 0.88        | 3.92        | 0.60        | 3.43        | 0.69        | 1.87        | 0.29        | 1.95        | 0.32        | 10.9       | 49.4       | 108.8      | 242      | 10.5       | 14.5       | 0.7        |
| 11-J2-025  | Soil                             | 21.7       | 3.75        | 0.77        | 3.13        | 0.52        | 2.70        | 0.60        | 1.58        | 0.25        | 1.97        | 0.23        | 22.5       | 42.6       | 142.1      | 263      | 10.4       | 17.0       | 0.6        |



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**Project:** TING 2A

**Report Date:** November 10, 2011

**Page:** 2 of 8      **Part** 3

## CERTIFICATE OF ANALYSIS

VAN11004020.1

|            | Method<br>Analyte<br>Unit<br>MDL | 1DX | 1DX | 1DX   | 1DX | 1DX  |
|------------|----------------------------------|-----|-----|-------|-----|------|
|            |                                  | Ag  | Au  | Hg    | Tl  | Se   |
|            |                                  | ppm | ppb | ppm   | ppm | ppm  |
|            |                                  | 0.1 | 0.5 | 0.01  | 0.1 | 0.5  |
| 11-MGB-364 | Soil                             | 0.3 | 1.9 | 0.03  | 0.4 | <0.5 |
| 11-MGB-343 | Soil                             | 1.9 | 4.3 | 0.08  | 0.7 | 0.6  |
| 11-MGB-347 | Soil                             | 1.1 | 5.8 | 0.02  | 1.8 | <0.5 |
| 11-MGB-342 | Soil                             | 0.3 | 1.4 | 0.02  | 0.5 | <0.5 |
| 11-MGB-341 | Soil                             | 0.5 | 4.2 | 0.04  | 0.9 | <0.5 |
| 11-MGB-348 | Soil                             | 0.1 | 0.9 | 0.02  | 0.5 | <0.5 |
| 11-MGB-344 | Soil                             | 0.7 | 8.2 | 0.05  | 1.6 | <0.5 |
| 11-MGB-346 | Soil                             | 0.2 | 3.0 | 0.03  | 1.1 | <0.5 |
| 11-MGB-345 | Soil                             | 0.5 | 4.8 | 0.05  | 1.5 | <0.5 |
| 11-MGB-339 | Soil                             | 0.5 | 3.4 | 0.04  | 0.6 | <0.5 |
| 11-MGB-340 | Soil                             | 0.6 | 5.0 | 0.05  | 0.6 | 0.6  |
| 11-MGB-334 | Soil                             | 0.6 | 2.7 | 0.03  | 0.5 | <0.5 |
| 11-MGB-335 | Soil                             | 0.6 | 5.7 | 0.05  | 0.5 | 0.7  |
| 11-MGB-338 | Soil                             | 0.3 | 1.9 | 0.03  | 0.3 | <0.5 |
| 11-MGB-337 | Soil                             | 0.5 | 4.9 | 0.03  | 0.6 | <0.5 |
| 11-MGB-336 | Soil                             | 0.6 | 5.8 | 0.03  | 1.5 | <0.5 |
| 11-MGB-333 | Soil                             | 0.9 | 2.5 | 0.06  | 0.4 | <0.5 |
| 11-MGB-363 | Soil                             | 0.2 | 1.7 | 0.01  | 0.3 | <0.5 |
| 11-MGB-362 | Soil                             | 0.1 | 0.7 | <0.01 | 0.3 | <0.5 |
| 11-MGB-361 | Soil                             | 0.5 | 0.9 | 0.03  | 0.3 | <0.5 |
| 11-MGB-360 | Soil                             | 0.8 | 2.2 | 0.04  | 0.5 | 0.6  |
| 11-MGB-359 | Soil                             | 0.5 | 2.1 | 0.04  | 0.4 | <0.5 |
| 11-MGB-358 | Soil                             | 0.6 | 2.5 | 0.03  | 0.5 | <0.5 |
| 11-MGB-357 | Soil                             | 0.8 | 2.2 | 0.05  | 0.4 | <0.5 |
| 11-MGB-356 | Soil                             | 1.5 | 6.9 | 0.06  | 0.5 | 0.5  |
| 11-MGB-355 | Soil                             | 0.6 | 4.2 | 0.05  | 0.3 | 0.6  |
| 11-J2-023  | Soil                             | 0.6 | 0.5 | 0.02  | 0.5 | <0.5 |
| 11-J2-024  | Soil                             | 0.8 | 4.3 | 0.03  | 0.6 | 0.6  |
| 11-J2-021  | Soil                             | 0.8 | 2.0 | 0.04  | 0.4 | <0.5 |
| 11-J2-025  | Soil                             | 0.8 | 2.2 | 0.04  | 0.4 | <0.5 |



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Project: TING 2A

Report Date: November 10, 2011

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## CERTIFICATE OF ANALYSIS

VAN11004020.1

|            | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B  | 4B  | 4B   | 4B   | 4B  | 4B   | 4B    | 4B  | 4B    | 4B  | 4B   | 4B  | 4B  | 4B   | 4B    | 4B   | 4B   |
|------------|----------------------------------|------|-----|-----|------|------|-----|------|-------|-----|-------|-----|------|-----|-----|------|-------|------|------|
|            |                                  | Ba   | Be  | Co  | Cs   | Ga   | Hf  | Nb   | Rb    | Sn  | Sr    | Ta  | Th   | U   | V   | W    | Zr    | Y    | La   |
|            |                                  | ppm  | ppm | ppm | ppm  | ppm  | ppm | ppm  | ppm   | ppm | ppm   | ppm | ppm  | ppm | ppm | ppm  | ppm   | ppm  | ppm  |
|            |                                  | 1    | 1   | 0.2 | 0.1  | 0.5  | 0.1 | 0.1  | 0.1   | 1   | 0.5   | 0.1 | 0.2  | 0.1 | 8   | 0.5  | 0.1   | 0.1  | 0.1  |
| 11-J2-022  | Soil                             | 687  | 4   | 8.3 | 9.1  | 13.3 | 7.1 | 14.3 | 152.5 | <1  | 102.3 | 1.1 | 11.0 | 3.4 | 88  | 16.9 | 261.4 | 19.1 | 28.9 |
| 11-J2-020  | Soil                             | 678  | 4   | 6.4 | 16.8 | 17.1 | 6.5 | 16.6 | 154.4 | <1  | 107.3 | 1.2 | 8.3  | 2.6 | 98  | 15.3 | 241.5 | 15.2 | 24.8 |
| 11-J2-019  | Soil                             | 229  | 3   | 7.0 | 4.0  | 7.4  | 7.3 | 7.2  | 33.0  | <1  | 28.0  | 0.6 | 8.6  | 2.5 | 32  | 2.0  | 261.3 | 9.7  | 27.0 |
| 11-J2-018  | Soil                             | 690  | <1  | 5.9 | 12.0 | 14.7 | 5.2 | 10.8 | 167.4 | <1  | 219.1 | 0.8 | 7.6  | 3.1 | 65  | 6.3  | 183.5 | 14.8 | 25.1 |
| 11-J2-017  | Soil                             | 584  | 8   | 9.8 | 10.5 | 11.5 | 6.2 | 13.5 | 146.7 | <1  | 109.3 | 0.8 | 9.1  | 3.0 | 56  | 21.9 | 231.4 | 19.6 | 28.8 |
| 11-J2-015  | Soil                             | 543  | 3   | 5.9 | 11.0 | 11.1 | 5.3 | 9.6  | 133.1 | <1  | 116.6 | 0.6 | 7.7  | 3.0 | 53  | 11.4 | 187.7 | 17.7 | 22.2 |
| 11-J2-016  | Soil                             | 783  | 3   | 6.1 | 22.7 | 17.8 | 5.0 | 13.1 | 255.4 | 3   | 81.2  | 0.9 | 7.5  | 2.7 | 106 | 27.1 | 181.6 | 12.8 | 23.1 |
| 11-J2-012  | Soil                             | 567  | 3   | 4.9 | 8.3  | 12.7 | 5.7 | 20.6 | 116.0 | 2   | 70.2  | 1.4 | 8.6  | 2.7 | 95  | 6.3  | 261.8 | 15.1 | 24.9 |
| 11-J2-013  | Soil                             | 710  | 4   | 5.8 | 15.4 | 14.9 | 5.4 | 15.7 | 182.0 | 2   | 83.0  | 1.1 | 9.1  | 2.6 | 98  | 19.1 | 224.4 | 12.1 | 22.9 |
| 11-J2-014  | Soil                             | 1364 | 2   | 4.4 | 27.3 | 15.7 | 6.3 | 15.0 | 219.0 | 2   | 98.8  | 1.2 | 9.5  | 2.8 | 106 | 6.8  | 257.5 | 19.4 | 35.2 |
| 11-J2-010  | Soil                             | 750  | 2   | 8.5 | 5.5  | 12.0 | 6.3 | 14.3 | 97.8  | 2   | 111.4 | 1.0 | 10.9 | 3.1 | 99  | 4.1  | 252.8 | 23.0 | 37.3 |
| 11-J2-011  | Soil                             | 716  | 2   | 7.0 | 9.0  | 12.2 | 6.3 | 14.3 | 137.2 | 2   | 85.9  | 1.0 | 10.1 | 2.8 | 90  | 11.5 | 256.3 | 23.3 | 34.2 |
| 11-J2-009  | Soil                             | 555  | 2   | 5.9 | 7.2  | 10.9 | 5.7 | 11.9 | 102.5 | 2   | 94.9  | 0.8 | 8.6  | 2.8 | 79  | 9.4  | 212.4 | 20.8 | 33.2 |
| 11-J2-008  | Soil                             | 539  | 2   | 5.7 | 8.9  | 12.3 | 5.6 | 12.1 | 148.8 | 2   | 82.3  | 0.9 | 9.1  | 2.6 | 75  | 52.4 | 242.7 | 23.1 | 32.4 |
| 11-J2-007  | Soil                             | 706  | 4   | 5.5 | 8.1  | 12.9 | 6.5 | 15.0 | 122.8 | 2   | 98.3  | 1.1 | 9.1  | 3.0 | 99  | 7.6  | 262.1 | 20.0 | 32.0 |
| 11-J2-005  | Soil                             | 595  | <1  | 6.6 | 22.2 | 17.4 | 5.5 | 11.3 | 227.5 | 2   | 72.1  | 0.8 | 6.7  | 2.5 | 100 | 17.1 | 239.7 | 9.5  | 15.9 |
| 11-J2-006  | Soil                             | 757  | 3   | 6.5 | 12.0 | 14.8 | 6.8 | 15.3 | 170.8 | 27  | 90.3  | 1.2 | 9.2  | 3.2 | 107 | 13.9 | 278.2 | 17.3 | 31.0 |
| 11-J2-003  | Soil                             | 556  | 4   | 6.7 | 11.3 | 13.5 | 5.7 | 11.5 | 150.5 | 1   | 87.2  | 0.8 | 9.7  | 3.1 | 84  | 11.5 | 225.1 | 20.1 | 32.5 |
| 11-J2-004  | Soil                             | 662  | 2   | 7.7 | 12.8 | 13.0 | 5.3 | 14.3 | 161.0 | 2   | 105.6 | 0.9 | 9.6  | 7.8 | 89  | 11.3 | 240.5 | 20.2 | 32.9 |
| 11-J2-001  | Soil                             | 615  | 1   | 6.8 | 10.9 | 13.7 | 5.5 | 12.4 | 140.4 | 2   | 114.2 | 0.8 | 7.6  | 2.6 | 93  | 8.6  | 226.2 | 15.6 | 26.6 |
| 11-J2-002  | Soil                             | 580  | 3   | 9.5 | 13.1 | 11.4 | 5.4 | 11.6 | 140.5 | 1   | 105.7 | 0.7 | 8.3  | 3.4 | 76  | 10.8 | 225.0 | 24.3 | 31.7 |
| 11-MGB-354 | Soil                             | 568  | <1  | 7.1 | 7.0  | 11.1 | 5.7 | 12.3 | 97.3  | 1   | 96.7  | 0.9 | 8.8  | 2.8 | 75  | 33.0 | 259.5 | 22.2 | 30.5 |
| 11-MGB-383 | Soil                             | 396  | 2   | 5.0 | 3.3  | 9.8  | 7.2 | 13.0 | 64.1  | 1   | 44.3  | 0.9 | 9.4  | 2.9 | 55  | 2.5  | 301.4 | 16.1 | 31.0 |
| 11-MGB-385 | Soil                             | 436  | 2   | 4.5 | 3.2  | 9.8  | 7.2 | 13.7 | 59.7  | 1   | 63.9  | 0.9 | 9.1  | 2.8 | 62  | 1.8  | 289.6 | 19.6 | 34.0 |
| 11-MGB-387 | Soil                             | 354  | 2   | 6.3 | 3.7  | 8.9  | 6.4 | 12.1 | 60.2  | 1   | 31.6  | 0.8 | 10.3 | 2.7 | 48  | 2.1  | 298.5 | 20.9 | 35.1 |
| 11-MGB-386 | Soil                             | 467  | 1   | 5.7 | 3.2  | 10.4 | 7.2 | 13.6 | 69.1  | 1   | 56.2  | 0.9 | 10.1 | 2.9 | 66  | 2.0  | 308.7 | 21.4 | 34.8 |
| 11-MGB-379 | Soil                             | 227  | <1  | 4.1 | 1.7  | 5.1  | 6.2 | 13.8 | 35.1  | <1  | 61.6  | 0.8 | 7.0  | 2.5 | 38  | 1.5  | 262.1 | 17.2 | 27.9 |
| 11-MGB-390 | Soil                             | 723  | 4   | 6.0 | 3.7  | 12.4 | 6.7 | 15.7 | 79.6  | 2   | 94.5  | 0.9 | 9.6  | 3.0 | 93  | 1.5  | 298.0 | 20.9 | 33.0 |
| 11-MGB-378 | Soil                             | 508  | <1  | 5.5 | 3.1  | 9.8  | 7.2 | 15.1 | 65.0  | 1   | 69.9  | 1.0 | 10.1 | 2.7 | 69  | 1.6  | 310.9 | 20.4 | 36.2 |
| 11-MGB-382 | Soil                             | 312  | 3   | 5.2 | 4.0  | 7.5  | 6.5 | 16.6 | 59.4  | <1  | 49.5  | 1.0 | 8.4  | 2.8 | 42  | 1.6  | 285.8 | 15.2 | 27.9 |



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Project: TING 2A

Report Date: November 10, 2011

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## CERTIFICATE OF ANALYSIS

VAN11004020.1

|            | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 1DX  | 1DX  | 1DX  | 1DX   | 1DX | 1DX  | 1DX  | 1DX |
|------------|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-----|------|------|-----|
|            |                                  | Nd   | Sm   | Eu   | Gd   | Tb   | Dy   | Ho   | Er   | Tm   | Yb   | Lu   | Mo   | Cu   | Pb    | Zn  | Ni   | As   | Cd  |
|            |                                  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm | ppm  | ppm  | ppm |
|            |                                  | 0.3  | 0.05 | 0.02 | 0.05 | 0.01 | 0.05 | 0.02 | 0.03 | 0.01 | 0.05 | 0.01 | 0.1  | 0.1  | 0.1   | 1   | 0.1  | 0.5  | 0.1 |
| 11-J2-022  | Soil                             | 27.2 | 3.99 | 0.80 | 3.20 | 0.52 | 2.92 | 0.58 | 1.84 | 0.27 | 1.87 | 0.31 | 16.4 | 31.1 | 152.2 | 213 | 16.2 | 24.4 | 0.4 |
| 11-J2-020  | Soil                             | 17.6 | 3.13 | 0.64 | 2.44 | 0.44 | 2.33 | 0.50 | 1.43 | 0.22 | 1.63 | 0.26 | 17.7 | 17.2 | 55.2  | 174 | 9.4  | 11.4 | 0.4 |
| 11-J2-019  | Soil                             | 21.0 | 2.70 | 0.64 | 1.96 | 0.29 | 1.32 | 0.29 | 0.88 | 0.13 | 0.94 | 0.13 | 3.0  | 24.3 | 50.8  | 505 | 15.0 | 7.3  | 1.1 |
| 11-J2-018  | Soil                             | 20.5 | 3.19 | 0.66 | 2.42 | 0.39 | 2.16 | 0.44 | 1.30 | 0.21 | 1.33 | 0.20 | 14.0 | 30.6 | 67.0  | 141 | 7.3  | 5.9  | 1.7 |
| 11-J2-017  | Soil                             | 26.7 | 3.93 | 0.96 | 3.18 | 0.54 | 3.27 | 0.58 | 1.76 | 0.25 | 1.67 | 0.22 | 18.8 | 52.2 | 274.5 | 478 | 10.8 | 43.0 | 1.6 |
| 11-J2-015  | Soil                             | 21.4 | 3.72 | 0.84 | 3.10 | 0.48 | 2.84 | 0.58 | 1.54 | 0.24 | 1.47 | 0.23 | 6.5  | 34.7 | 128.7 | 254 | 8.5  | 25.1 | 0.8 |
| 11-J2-016  | Soil                             | 17.3 | 2.72 | 0.66 | 2.31 | 0.37 | 1.94 | 0.44 | 1.28 | 0.21 | 1.40 | 0.22 | 41.2 | 54.7 | 73.1  | 179 | 5.8  | 14.1 | 0.5 |
| 11-J2-012  | Soil                             | 19.6 | 3.45 | 0.68 | 2.68 | 0.44 | 2.53 | 0.50 | 1.63 | 0.25 | 1.70 | 0.27 | 9.3  | 16.3 | 71.8  | 258 | 14.0 | 12.7 | 0.6 |
| 11-J2-013  | Soil                             | 17.1 | 2.78 | 0.61 | 2.26 | 0.36 | 1.90 | 0.42 | 1.25 | 0.21 | 1.52 | 0.22 | 13.0 | 31.2 | 139.8 | 371 | 10.6 | 28.3 | 0.4 |
| 11-J2-014  | Soil                             | 27.6 | 4.41 | 0.94 | 3.69 | 0.56 | 3.13 | 0.71 | 1.96 | 0.32 | 2.08 | 0.32 | 11.1 | 19.5 | 14.1  | 101 | 9.9  | 8.6  | 0.2 |
| 11-J2-010  | Soil                             | 30.7 | 4.95 | 0.99 | 4.31 | 0.66 | 3.80 | 0.79 | 2.15 | 0.34 | 2.14 | 0.36 | 2.9  | 19.4 | 47.1  | 201 | 17.9 | 12.8 | 1.0 |
| 11-J2-011  | Soil                             | 27.2 | 5.02 | 1.10 | 4.19 | 0.67 | 3.59 | 0.77 | 2.29 | 0.36 | 2.47 | 0.34 | 12.1 | 28.7 | 101.9 | 214 | 15.6 | 21.8 | 0.6 |
| 11-J2-009  | Soil                             | 26.3 | 4.59 | 1.02 | 4.21 | 0.62 | 3.37 | 0.68 | 1.88 | 0.30 | 1.96 | 0.28 | 2.1  | 20.5 | 112.3 | 228 | 12.4 | 19.2 | 0.8 |
| 11-J2-008  | Soil                             | 26.5 | 4.78 | 1.16 | 4.42 | 0.64 | 3.42 | 0.77 | 2.16 | 0.33 | 2.20 | 0.33 | 5.2  | 31.4 | 124.4 | 289 | 12.4 | 31.9 | 0.3 |
| 11-J2-007  | Soil                             | 25.3 | 4.16 | 0.89 | 3.59 | 0.54 | 3.44 | 0.62 | 1.91 | 0.28 | 2.09 | 0.29 | 11.6 | 19.0 | 87.7  | 216 | 12.1 | 16.4 | 0.4 |
| 11-J2-005  | Soil                             | 12.9 | 1.96 | 0.45 | 1.50 | 0.26 | 1.48 | 0.32 | 1.00 | 0.16 | 1.20 | 0.17 | 23.5 | 26.1 | 133.0 | 169 | 8.5  | 24.4 | 0.3 |
| 11-J2-006  | Soil                             | 24.0 | 4.03 | 0.82 | 3.16 | 0.52 | 3.03 | 0.60 | 1.70 | 0.27 | 1.94 | 0.28 | 29.4 | 39.3 | 266.2 | 237 | 10.4 | 26.9 | 0.7 |
| 11-J2-003  | Soil                             | 26.5 | 4.63 | 1.04 | 3.96 | 0.64 | 3.22 | 0.66 | 1.81 | 0.27 | 1.92 | 0.27 | 10.2 | 35.2 | 134.0 | 298 | 13.0 | 22.8 | 0.8 |
| 11-J2-004  | Soil                             | 25.4 | 4.44 | 0.98 | 3.66 | 0.58 | 3.20 | 0.65 | 1.86 | 0.32 | 2.16 | 0.29 | 36.2 | 56.4 | 193.6 | 212 | 12.4 | 20.1 | 0.8 |
| 11-J2-001  | Soil                             | 20.1 | 3.48 | 0.67 | 2.72 | 0.44 | 2.11 | 0.46 | 1.32 | 0.22 | 1.57 | 0.24 | 15.7 | 23.6 | 95.0  | 222 | 11.7 | 16.0 | 0.5 |
| 11-J2-002  | Soil                             | 25.8 | 4.79 | 1.06 | 4.05 | 0.60 | 3.42 | 0.69 | 2.03 | 0.30 | 2.16 | 0.30 | 27.1 | 85.3 | 196.9 | 251 | 9.8  | 25.4 | 1.0 |
| 11-MGB-354 | Soil                             | 24.5 | 4.49 | 0.94 | 3.73 | 0.58 | 3.37 | 0.69 | 2.01 | 0.31 | 2.05 | 0.26 | 5.0  | 22.3 | 123.8 | 353 | 13.9 | 19.3 | 1.2 |
| 11-MGB-383 | Soil                             | 24.2 | 4.32 | 0.85 | 3.50 | 0.52 | 2.61 | 0.51 | 1.57 | 0.24 | 1.60 | 0.24 | 0.7  | 6.4  | 17.4  | 85  | 11.8 | 16.1 | 0.3 |
| 11-MGB-385 | Soil                             | 26.5 | 4.78 | 0.89 | 3.66 | 0.57 | 3.16 | 0.61 | 1.68 | 0.27 | 1.85 | 0.27 | 0.5  | 7.5  | 21.7  | 104 | 11.5 | 13.6 | 0.5 |
| 11-MGB-387 | Soil                             | 29.4 | 5.55 | 1.12 | 4.47 | 0.66 | 3.84 | 0.73 | 1.93 | 0.30 | 1.95 | 0.26 | 0.7  | 8.1  | 24.4  | 107 | 16.8 | 26.9 | 0.7 |
| 11-MGB-386 | Soil                             | 30.0 | 5.30 | 1.05 | 4.32 | 0.65 | 3.73 | 0.70 | 1.90 | 0.30 | 1.77 | 0.28 | 0.6  | 7.3  | 22.7  | 92  | 14.7 | 18.7 | 0.3 |
| 11-MGB-379 | Soil                             | 21.4 | 3.75 | 0.72 | 3.14 | 0.47 | 2.70 | 0.54 | 1.59 | 0.24 | 1.48 | 0.23 | 0.6  | 4.2  | 13.8  | 41  | 6.9  | 8.0  | 0.2 |
| 11-MGB-390 | Soil                             | 26.1 | 4.95 | 0.93 | 4.04 | 0.61 | 3.56 | 0.69 | 1.91 | 0.33 | 2.02 | 0.33 | 0.5  | 7.0  | 12.8  | 123 | 14.1 | 13.1 | 0.4 |
| 11-MGB-378 | Soil                             | 29.7 | 5.01 | 0.95 | 3.86 | 0.59 | 3.02 | 0.69 | 1.79 | 0.31 | 2.02 | 0.28 | 0.7  | 7.5  | 17.7  | 105 | 12.7 | 11.3 | 0.5 |
| 11-MGB-382 | Soil                             | 21.3 | 3.71 | 0.73 | 3.10 | 0.46 | 2.46 | 0.52 | 1.41 | 0.21 | 1.35 | 0.21 | 0.8  | 7.5  | 17.9  | 67  | 11.8 | 15.8 | 0.3 |



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**Project:** TING 2A

**Report Date:** November 10, 2011

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## CERTIFICATE OF ANALYSIS

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|            | Method<br>Analyte<br>Unit<br>MDL | 1DX | 1DX  | 1DX  | 1DX | 1DX  |
|------------|----------------------------------|-----|------|------|-----|------|
|            |                                  | Ag  | Au   | Hg   | Tl  | Se   |
|            |                                  | ppm | ppb  | ppm  | ppm | ppm  |
|            |                                  | 0.1 | 0.5  | 0.01 | 0.1 | 0.5  |
| 11-J2-022  | Soil                             | 0.3 | 1.0  | 0.03 | 0.6 | <0.5 |
| 11-J2-020  | Soil                             | 0.3 | <0.5 | 0.01 | 0.5 | <0.5 |
| 11-J2-019  | Soil                             | 2.4 | 2.5  | 0.08 | 0.3 | <0.5 |
| 11-J2-018  | Soil                             | 0.2 | 0.6  | 0.05 | 0.4 | <0.5 |
| 11-J2-017  | Soil                             | 0.6 | 5.0  | 0.03 | 1.2 | <0.5 |
| 11-J2-015  | Soil                             | 0.5 | 2.1  | 0.04 | 0.7 | <0.5 |
| 11-J2-016  | Soil                             | 0.5 | 3.9  | 0.03 | 0.7 | <0.5 |
| 11-J2-012  | Soil                             | 0.2 | 2.4  | 0.01 | 0.4 | <0.5 |
| 11-J2-013  | Soil                             | 0.3 | 7.5  | 0.02 | 1.7 | <0.5 |
| 11-J2-014  | Soil                             | 0.2 | 2.3  | 0.04 | 0.4 | <0.5 |
| 11-J2-010  | Soil                             | 0.7 | 3.1  | 0.04 | 0.3 | <0.5 |
| 11-J2-011  | Soil                             | 0.7 | 3.6  | 0.04 | 0.6 | <0.5 |
| 11-J2-009  | Soil                             | 0.8 | 2.7  | 0.05 | 0.5 | <0.5 |
| 11-J2-008  | Soil                             | 0.5 | 3.7  | 0.05 | 0.7 | <0.5 |
| 11-J2-007  | Soil                             | 0.4 | 1.2  | 0.02 | 0.5 | <0.5 |
| 11-J2-005  | Soil                             | 0.5 | 2.3  | 0.02 | 0.7 | <0.5 |
| 11-J2-006  | Soil                             | 0.9 | 2.5  | 0.04 | 1.5 | <0.5 |
| 11-J2-003  | Soil                             | 1.0 | 1.1  | 0.04 | 0.6 | <0.5 |
| 11-J2-004  | Soil                             | 0.9 | 2.9  | 0.06 | 0.7 | 0.5  |
| 11-J2-001  | Soil                             | 0.7 | 1.3  | 0.03 | 0.5 | <0.5 |
| 11-J2-002  | Soil                             | 0.9 | 4.2  | 0.06 | 0.6 | 0.9  |
| 11-MGB-354 | Soil                             | 0.5 | 5.2  | 0.03 | 0.3 | <0.5 |
| 11-MGB-383 | Soil                             | 0.2 | 0.6  | 0.04 | 0.7 | <0.5 |
| 11-MGB-385 | Soil                             | 0.3 | 1.4  | 0.03 | 0.5 | <0.5 |
| 11-MGB-387 | Soil                             | 0.4 | <0.5 | 0.03 | 1.0 | <0.5 |
| 11-MGB-386 | Soil                             | 0.2 | 2.0  | 0.03 | 0.6 | <0.5 |
| 11-MGB-379 | Soil                             | 0.1 | 1.4  | 0.02 | 0.3 | <0.5 |
| 11-MGB-390 | Soil                             | 0.1 | 1.4  | 0.02 | 0.5 | <0.5 |
| 11-MGB-378 | Soil                             | 0.1 | 2.1  | 0.07 | 0.3 | <0.5 |
| 11-MGB-382 | Soil                             | 0.2 | 1.5  | 0.03 | 0.6 | <0.5 |



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Project: TING 2A

Report Date: November 10, 2011

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## CERTIFICATE OF ANALYSIS

VAN11004020.1

|            | Method<br>Analyte<br>Unit<br>MDL | 4B<br>Ba<br>ppm<br>1 | 4B<br>Be<br>ppm<br>1 | 4B<br>Co<br>ppm<br>0.2 | 4B<br>Cs<br>ppm<br>0.1 | 4B<br>Ga<br>ppm<br>0.5 | 4B<br>Hf<br>ppm<br>0.1 | 4B<br>Nb<br>ppm<br>0.1 | 4B<br>Rb<br>ppm<br>0.1 | 4B<br>Sn<br>ppm<br>1 | 4B<br>Sr<br>ppm<br>0.5 | 4B<br>Ta<br>ppm<br>0.1 | 4B<br>Th<br>ppm<br>0.2 | 4B<br>U<br>ppm<br>0.1 | 4B<br>V<br>ppm<br>8 | 4B<br>W<br>ppm<br>0.5 | 4B<br>Zr<br>ppm<br>0.1 | 4B<br>Y<br>ppm<br>0.1 | 4B<br>La<br>ppm<br>0.1 | 4B<br>Ce<br>ppm<br>0.1 | 4B<br>Pr<br>ppm<br>0.02 |
|------------|----------------------------------|----------------------|----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|----------------------|------------------------|------------------------|------------------------|-----------------------|---------------------|-----------------------|------------------------|-----------------------|------------------------|------------------------|-------------------------|
|            |                                  |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| 11-MGB-384 | Soil                             | 338                  | 3                    | 4.2                    | 3.5                    | 8.5                    | 6.6                    | 11.5                   | 59.2                   | <1                   | 41.6                   | 0.8                    | 8.7                    | 3.0                   | 48                  | 2.2                   | 299.1                  | 17.9                  | 33.9                   | 65.7                   | 7.57                    |
| 11-MGB-400 | Soil                             | 599                  | 3                    | 26.4                   | 6.1                    | 15.1                   | 5.2                    | 24.9                   | 66.7                   | 1                    | 85.1                   | 1.4                    | 6.2                    | 1.8                   | 188                 | 3.9                   | 237.8                  | 18.8                  | 26.7                   | 69.7                   | 6.42                    |
| 11-MGB-397 | Soil                             | 415                  | 3                    | 25.6                   | 5.2                    | 14.1                   | 5.2                    | 22.5                   | 58.8                   | 1                    | 96.9                   | 1.3                    | 6.1                    | 1.9                   | 196                 | 2.2                   | 239.7                  | 24.4                  | 30.5                   | 62.1                   | 7.36                    |
| 11-MGB-392 | Soil                             | 528                  | 2                    | 6.4                    | 3.8                    | 10.5                   | 7.1                    | 13.9                   | 69.8                   | 1                    | 68.8                   | 0.9                    | 10.2                   | 2.8                   | 81                  | 1.6                   | 315.9                  | 24.2                  | 38.7                   | 70.9                   | 8.58                    |
| 11-MGB-394 | Soil                             | 575                  | 3                    | 6.2                    | 4.6                    | 11.4                   | 7.1                    | 15.3                   | 80.8                   | 2                    | 72.6                   | 1.0                    | 9.0                    | 3.0                   | 86                  | 1.8                   | 306.7                  | 18.3                  | 28.2                   | 54.6                   | 6.40                    |
| 11-MGB-395 | Soil                             | 534                  | 2                    | 15.2                   | 3.9                    | 12.9                   | 6.7                    | 19.3                   | 72.7                   | 1                    | 81.3                   | 1.2                    | 8.1                    | 2.5                   | 135                 | 3.6                   | 265.8                  | 17.2                  | 29.7                   | 64.9                   | 6.44                    |
| 11-MGB-399 | Soil                             | 489                  | <1                   | 24.5                   | 5.1                    | 16.8                   | 5.1                    | 23.3                   | 56.9                   | 1                    | 109.5                  | 1.6                    | 5.3                    | 1.9                   | 205                 | 1.5                   | 221.3                  | 18.8                  | 25.8                   | 53.3                   | 6.33                    |
| 11-MGB-396 | Soil                             | 336                  | 2                    | 30.7                   | 4.5                    | 15.4                   | 4.6                    | 22.9                   | 51.5                   | 1                    | 70.4                   | 1.3                    | 5.6                    | 1.5                   | 210                 | 1.9                   | 210.7                  | 25.5                  | 29.5                   | 56.9                   | 7.65                    |
| 11-MGB-393 | Soil                             | 517                  | 3                    | 8.3                    | 3.9                    | 11.3                   | 7.4                    | 17.3                   | 98.6                   | 1                    | 56.1                   | 1.0                    | 11.9                   | 2.8                   | 76                  | 2.8                   | 316.4                  | 33.6                  | 53.1                   | 70.7                   | 11.85                   |
| 11-MGB-398 | Soil                             | 425                  | 3                    | 29.7                   | 6.5                    | 15.4                   | 4.6                    | 22.2                   | 64.5                   | 1                    | 89.5                   | 1.5                    | 5.2                    | 1.4                   | 220                 | 2.7                   | 210.1                  | 25.7                  | 29.0                   | 58.1                   | 7.40                    |
| 11-MGB-389 | Soil                             | 448                  | 3                    | 6.2                    | 3.3                    | 9.3                    | 7.3                    | 10.3                   | 70.7                   | 1                    | 36.3                   | 0.8                    | 9.7                    | 3.1                   | 53                  | 1.9                   | 334.0                  | 22.0                  | 34.2                   | 72.7                   | 7.84                    |
| 11-MGB-381 | Soil                             | 435                  | 2                    | 5.2                    | 3.7                    | 10.2                   | 7.0                    | 14.4                   | 61.5                   | <1                   | 56.7                   | 1.0                    | 9.9                    | 2.8                   | 64                  | 1.4                   | 316.1                  | 17.0                  | 29.2                   | 61.1                   | 6.52                    |
| 11-MGB-391 | Soil                             | 693                  | 1                    | 8.1                    | 5.4                    | 12.6                   | 7.8                    | 15.2                   | 96.0                   | 2                    | 68.4                   | 1.0                    | 11.3                   | 3.1                   | 75                  | 2.0                   | 311.7                  | 22.9                  | 34.2                   | 72.1                   | 8.01                    |
| 11-MGB-388 | Soil                             | 462                  | <1                   | 7.9                    | 3.4                    | 9.5                    | 9.9                    | 16.9                   | 57.4                   | 1                    | 61.4                   | 0.9                    | 11.3                   | 3.2                   | 52                  | 1.4                   | 356.3                  | 21.9                  | 34.8                   | 85.3                   | 7.58                    |
| 11-MGB-376 | Soil                             | 431                  | 3                    | 6.4                    | 3.5                    | 11.9                   | 7.3                    | 18.4                   | 68.7                   | <1                   | 52.2                   | 1.1                    | 11.5                   | 3.1                   | 55                  | 2.2                   | 281.6                  | 17.3                  | 28.0                   | 77.1                   | 6.65                    |
| 11-MGB-380 | Soil                             | 619                  | <1                   | 6.9                    | 4.0                    | 13.6                   | 8.4                    | 20.7                   | 74.2                   | 2                    | 90.6                   | 1.2                    | 12.8                   | 3.6                   | 66                  | 1.6                   | 307.8                  | 24.2                  | 38.5                   | 83.7                   | 8.62                    |
| 11-MGB-377 | Soil                             | 410                  | <1                   | 7.1                    | 3.2                    | 9.2                    | 5.5                    | 15.7                   | 55.9                   | 1                    | 66.2                   | 0.8                    | 9.4                    | 3.0                   | 37                  | 1.9                   | 233.0                  | 22.6                  | 40.2                   | 76.8                   | 9.12                    |
| 11-MGB-375 | Soil                             | 704                  | <1                   | 5.6                    | 3.5                    | 13.0                   | 6.8                    | 17.1                   | 78.3                   | 2                    | 95.7                   | 1.3                    | 11.7                   | 3.1                   | 59                  | 1.7                   | 288.3                  | 18.8                  | 33.0                   | 71.8                   | 7.52                    |
| 11-MGB-373 | Soil                             | 529                  | <1                   | 6.6                    | 2.8                    | 9.4                    | 6.9                    | 17.4                   | 60.4                   | 2                    | 75.2                   | 1.1                    | 11.2                   | 2.8                   | 29                  | 1.4                   | 259.9                  | 25.7                  | 35.7                   | 72.3                   | 8.19                    |
| 11-MGB-369 | Soil                             | 334                  | <1                   | 5.5                    | 1.8                    | 6.2                    | 4.4                    | 10.3                   | 37.9                   | <1                   | 76.5                   | 0.6                    | 7.4                    | 1.9                   | <8                  | 0.9                   | 157.3                  | 15.5                  | 25.3                   | 50.2                   | 5.59                    |
| 11-MGB-372 | Soil                             | 223                  | <1                   | 3.9                    | 1.4                    | 4.2                    | 5.8                    | 11.8                   | 27.6                   | <1                   | 63.9                   | 0.8                    | 7.5                    | 2.3                   | <8                  | 0.8                   | 226.9                  | 15.9                  | 24.5                   | 49.7                   | 5.56                    |
| 11-MGB-371 | Soil                             | 403                  | <1                   | 7.0                    | 3.0                    | 9.7                    | 6.6                    | 20.1                   | 53.0                   | 2                    | 63.3                   | 1.2                    | 11.3                   | 3.1                   | 29                  | 1.2                   | 256.8                  | 24.6                  | 36.1                   | 83.3                   | 8.30                    |
| 11-MGB-370 | Soil                             | 627                  | <1                   | 9.4                    | 4.5                    | 12.8                   | 5.5                    | 18.8                   | 69.9                   | 3                    | 82.7                   | 1.3                    | 12.4                   | 3.1                   | 56                  | 3.1                   | 217.9                  | 20.5                  | 34.8                   | 79.6                   | 7.95                    |
| 11-MGB-366 | Soil                             | 416                  | <1                   | 6.1                    | 2.2                    | 7.7                    | 5.0                    | 13.0                   | 47.7                   | <1                   | 68.7                   | 0.9                    | 8.1                    | 2.3                   | <8                  | 1.2                   | 189.8                  | 18.2                  | 27.7                   | 58.0                   | 6.40                    |
| 11-MGB-374 | Soil                             | 581                  | 1                    | 7.1                    | 2.5                    | 9.3                    | 8.6                    | 13.3                   | 55.1                   | 1                    | 76.8                   | 1.0                    | 10.8                   | 2.9                   | 17                  | 2.3                   | 287.9                  | 24.5                  | 39.3                   | 75.5                   | 8.76                    |
| 11-MGB-365 | Soil                             | 299                  | <1                   | 4.7                    | 1.7                    | 6.0                    | 4.2                    | 12.1                   | 37.8                   | <1                   | 64.7                   | 0.8                    | 6.7                    | 2.0                   | <8                  | 0.8                   | 141.4                  | 14.5                  | 22.4                   | 44.5                   | 4.91                    |
| 11-MGB-367 | Soil                             | 398                  | <1                   | 5.7                    | 1.9                    | 7.0                    | 4.1                    | 11.3                   | 43.3                   | <1                   | 73.5                   | 0.7                    | 7.7                    | 2.2                   | <8                  | 0.7                   | 152.9                  | 17.0                  | 26.1                   | 53.0                   | 5.96                    |
| 11-MGB-403 | Soil                             | 604                  | <1                   | 18.3                   | 5.7                    | 16.6                   | 6.5                    | 22.1                   | 72.0                   | 1                    | 159.6                  | 1.7                    | 6.6                    | 2.3                   | 108                 | 1.8                   | 232.6                  | 15.7                  | 25.6                   | 52.4                   | 5.88                    |
| 11-MGB-408 | Soil                             | 546                  | <1                   | 27.0                   | 12.2                   | 17.7                   | 5.6                    | 26.6                   | 99.1                   | 2                    | 65.7                   | 1.6                    | 5.2                    | 1.5                   | 173                 | 5.1                   | 174.2                  | 15.2                  | 20.7                   | 44.5                   | 5.15                    |
| 11-MGB-407 | Soil                             | 770                  | <1                   | 9.6                    | 7.8                    | 16.4                   | 6.8                    | 19.4                   | 103.4                  | 2                    | 113.5                  | 1.3                    | 9.7                    | 2.5                   | 96                  | 2.3                   | 250.0                  | 18.6                  | 32.0                   | 64.6                   | 7.35                    |



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Project: TING 2A

Report Date: November 10, 2011

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## CERTIFICATE OF ANALYSIS

VAN11004020.1

|            | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 1DX  | 1DX | 1DX  | 1DX  | 1DX | 1DX  | 1DX  | 1DX |
|------------|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|-----|------|------|-----|
|            |                                  | Nd   | Sm   | Eu   | Gd   | Tb   | Dy   | Ho   | Er   | Tm   | Yb   | Lu   | Mo  | Cu   | Pb   | Zn  | Ni   | As   | Cd  |
|            |                                  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm | ppm  | ppm  | ppm | ppm  | ppm  | ppm |
|            |                                  | 0.3  | 0.05 | 0.02 | 0.05 | 0.01 | 0.05 | 0.02 | 0.03 | 0.01 | 0.05 | 0.01 | 0.1 | 0.1  | 0.1  | 1   | 0.1  | 0.5  | 0.1 |
| 11-MGB-384 | Soil                             | 26.5 | 4.63 | 0.93 | 3.69 | 0.54 | 2.99 | 0.52 | 1.61 | 0.25 | 1.67 | 0.24 | 0.6 | 6.2  | 22.4 | 103 | 10.3 | 21.3 | 0.5 |
| 11-MGB-400 | Soil                             | 25.2 | 4.72 | 1.30 | 4.12 | 0.63 | 3.35 | 0.65 | 1.83 | 0.27 | 1.61 | 0.24 | 0.7 | 41.7 | 32.8 | 103 | 74.8 | 16.7 | 0.2 |
| 11-MGB-397 | Soil                             | 27.9 | 5.77 | 1.57 | 5.36 | 0.80 | 4.65 | 0.86 | 2.31 | 0.33 | 1.80 | 0.31 | 0.7 | 44.7 | 23.5 | 93  | 62.1 | 10.9 | 0.1 |
| 11-MGB-392 | Soil                             | 30.2 | 5.92 | 1.19 | 4.79 | 0.73 | 4.04 | 0.81 | 2.19 | 0.33 | 2.32 | 0.31 | 0.5 | 9.5  | 17.3 | 133 | 17.8 | 14.0 | 0.4 |
| 11-MGB-394 | Soil                             | 23.4 | 4.20 | 0.89 | 3.58 | 0.55 | 3.10 | 0.58 | 1.78 | 0.27 | 1.79 | 0.28 | 0.4 | 9.2  | 13.5 | 128 | 16.4 | 12.4 | 0.4 |
| 11-MGB-395 | Soil                             | 24.4 | 4.45 | 0.97 | 3.54 | 0.57 | 3.07 | 0.66 | 1.64 | 0.27 | 1.81 | 0.26 | 0.7 | 18.5 | 21.0 | 95  | 33.9 | 10.5 | 0.2 |
| 11-MGB-399 | Soil                             | 22.9 | 4.70 | 1.25 | 3.97 | 0.61 | 3.62 | 0.67 | 1.90 | 0.28 | 1.84 | 0.26 | 0.6 | 31.6 | 18.6 | 126 | 45.2 | 6.0  | 0.3 |
| 11-MGB-396 | Soil                             | 30.4 | 6.75 | 1.77 | 5.90 | 0.92 | 4.79 | 0.91 | 2.33 | 0.36 | 2.18 | 0.30 | 0.5 | 46.1 | 14.6 | 97  | 60.8 | 7.6  | 0.2 |
| 11-MGB-393 | Soil                             | 41.8 | 8.04 | 1.73 | 6.51 | 0.99 | 5.61 | 1.07 | 2.91 | 0.42 | 2.81 | 0.41 | 0.6 | 16.2 | 24.6 | 86  | 22.7 | 25.6 | 0.3 |
| 11-MGB-398 | Soil                             | 29.3 | 5.95 | 1.70 | 5.65 | 0.86 | 4.78 | 0.95 | 2.37 | 0.34 | 2.27 | 0.29 | 0.7 | 62.7 | 18.5 | 103 | 69.4 | 9.8  | 0.3 |
| 11-MGB-389 | Soil                             | 28.3 | 5.30 | 1.19 | 4.59 | 0.70 | 3.78 | 0.78 | 2.01 | 0.32 | 2.05 | 0.29 | 0.5 | 8.2  | 20.0 | 79  | 17.4 | 42.9 | 0.5 |
| 11-MGB-381 | Soil                             | 23.2 | 3.90 | 0.77 | 3.29 | 0.51 | 2.88 | 0.58 | 1.55 | 0.26 | 1.60 | 0.25 | 0.7 | 5.6  | 16.5 | 127 | 10.9 | 12.7 | 0.5 |
| 11-MGB-391 | Soil                             | 33.2 | 5.28 | 1.14 | 4.24 | 0.73 | 3.95 | 0.75 | 2.26 | 0.34 | 2.06 | 0.30 | 0.6 | 11.2 | 22.5 | 167 | 21.8 | 21.8 | 0.6 |
| 11-MGB-388 | Soil                             | 30.0 | 4.73 | 1.02 | 4.05 | 0.68 | 3.85 | 0.75 | 2.22 | 0.33 | 2.28 | 0.33 | 0.8 | 7.0  | 24.5 | 94  | 16.5 | 18.6 | 0.4 |
| 11-MGB-376 | Soil                             | 25.9 | 4.50 | 0.91 | 3.76 | 0.60 | 3.54 | 0.72 | 1.86 | 0.31 | 1.83 | 0.28 | 1.3 | 8.6  | 29.0 | 105 | 13.6 | 16.6 | 0.5 |
| 11-MGB-380 | Soil                             | 31.0 | 5.49 | 1.07 | 4.49 | 0.74 | 4.03 | 0.82 | 2.45 | 0.37 | 2.41 | 0.36 | 0.9 | 9.5  | 22.1 | 108 | 18.2 | 12.3 | 0.4 |
| 11-MGB-377 | Soil                             | 37.1 | 5.72 | 1.18 | 4.72 | 0.74 | 3.90 | 0.71 | 2.07 | 0.32 | 2.02 | 0.30 | 1.5 | 10.3 | 28.5 | 70  | 16.0 | 15.3 | 0.5 |
| 11-MGB-375 | Soil                             | 29.1 | 4.65 | 0.89 | 3.88 | 0.62 | 3.71 | 0.70 | 2.37 | 0.29 | 1.98 | 0.32 | 0.7 | 6.1  | 15.7 | 92  | 12.8 | 8.0  | 0.3 |
| 11-MGB-373 | Soil                             | 31.7 | 5.48 | 1.21 | 4.64 | 0.77 | 4.59 | 0.82 | 2.37 | 0.41 | 2.37 | 0.34 | 1.1 | 10.9 | 20.4 | 69  | 16.1 | 10.6 | 0.5 |
| 11-MGB-369 | Soil                             | 20.6 | 3.63 | 0.71 | 3.22 | 0.48 | 2.89 | 0.51 | 1.38 | 0.22 | 1.29 | 0.22 | 0.5 | 5.4  | 10.9 | 33  | 9.3  | 5.6  | 0.3 |
| 11-MGB-372 | Soil                             | 21.1 | 3.61 | 0.77 | 2.99 | 0.49 | 2.87 | 0.58 | 1.66 | 0.26 | 1.44 | 0.24 | 0.6 | 4.8  | 11.5 | 19  | 8.1  | 5.3  | 0.2 |
| 11-MGB-371 | Soil                             | 32.1 | 5.15 | 1.04 | 4.63 | 0.76 | 4.04 | 0.85 | 2.44 | 0.37 | 2.67 | 0.39 | 0.9 | 8.9  | 37.1 | 48  | 13.2 | 9.7  | 0.3 |
| 11-MGB-370 | Soil                             | 27.7 | 5.12 | 0.90 | 3.92 | 0.66 | 3.82 | 0.69 | 2.11 | 0.32 | 1.97 | 0.30 | 1.0 | 10.3 | 24.3 | 83  | 17.6 | 11.6 | 0.4 |
| 11-MGB-366 | Soil                             | 24.5 | 4.31 | 0.91 | 3.51 | 0.59 | 3.29 | 0.68 | 1.89 | 0.27 | 1.82 | 0.29 | 0.9 | 9.5  | 14.2 | 65  | 13.1 | 8.5  | 0.4 |
| 11-MGB-374 | Soil                             | 35.3 | 5.67 | 1.21 | 4.94 | 0.76 | 3.86 | 0.80 | 2.27 | 0.36 | 2.17 | 0.34 | 0.9 | 9.3  | 18.8 | 109 | 16.4 | 12.8 | 0.5 |
| 11-MGB-365 | Soil                             | 20.9 | 3.27 | 0.63 | 2.89 | 0.42 | 2.56 | 0.52 | 1.36 | 0.23 | 1.52 | 0.20 | 0.7 | 7.4  | 11.8 | 49  | 10.9 | 7.8  | 0.2 |
| 11-MGB-367 | Soil                             | 22.9 | 3.89 | 0.77 | 3.19 | 0.53 | 2.85 | 0.61 | 1.69 | 0.25 | 1.65 | 0.23 | 0.7 | 7.7  | 13.3 | 62  | 12.5 | 7.2  | 0.3 |
| 11-MGB-403 | Soil                             | 24.8 | 4.18 | 1.06 | 3.39 | 0.53 | 3.01 | 0.61 | 1.66 | 0.23 | 1.58 | 0.22 | 0.6 | 23.2 | 20.7 | 112 | 37.8 | 9.6  | 0.4 |
| 11-MGB-408 | Soil                             | 21.1 | 4.03 | 1.13 | 3.47 | 0.56 | 3.15 | 0.61 | 1.71 | 0.25 | 1.76 | 0.26 | 0.8 | 34.1 | 15.6 | 113 | 44.0 | 48.2 | 0.2 |
| 11-MGB-407 | Soil                             | 29.6 | 4.64 | 0.92 | 3.84 | 0.58 | 3.35 | 0.68 | 1.97 | 0.31 | 2.01 | 0.31 | 0.9 | 12.3 | 16.6 | 77  | 18.4 | 18.3 | 0.2 |



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**Project:** TING 2A

**Report Date:** November 10, 2011

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## CERTIFICATE OF ANALYSIS

VAN11004020.1

|            | Method<br>Analyte<br>Unit<br>MDL | 1DX  | 1DX   | 1DX  | 1DX  | 1DX  |
|------------|----------------------------------|------|-------|------|------|------|
|            |                                  | Ag   | Au    | Hg   | Tl   | Se   |
|            |                                  | ppm  | ppb   | ppm  | ppm  | ppm  |
|            |                                  | 0.1  | 0.5   | 0.01 | 0.1  | 0.5  |
| 11-MGB-384 | Soil                             | 0.2  | 2.0   | 0.03 | 0.8  | <0.5 |
| 11-MGB-400 | Soil                             | <0.1 | 1.6   | 0.02 | 0.4  | <0.5 |
| 11-MGB-397 | Soil                             | 0.1  | 2.0   | 0.02 | 0.4  | <0.5 |
| 11-MGB-392 | Soil                             | 0.2  | 1.4   | 0.03 | 0.4  | 0.6  |
| 11-MGB-394 | Soil                             | 0.1  | 1.6   | 0.04 | 0.4  | <0.5 |
| 11-MGB-395 | Soil                             | <0.1 | 0.9   | 0.01 | 0.3  | <0.5 |
| 11-MGB-399 | Soil                             | 0.2  | 1.4   | 0.02 | 0.1  | <0.5 |
| 11-MGB-396 | Soil                             | <0.1 | 1.3   | 0.02 | 0.3  | <0.5 |
| 11-MGB-393 | Soil                             | 0.5  | 102.8 | 0.08 | 0.5  | 0.7  |
| 11-MGB-398 | Soil                             | 0.1  | 3.1   | 0.02 | 0.6  | 0.6  |
| 11-MGB-389 | Soil                             | 0.1  | 2.8   | 0.04 | 1.0  | 0.6  |
| 11-MGB-381 | Soil                             | <0.1 | 2.3   | 0.02 | 0.5  | <0.5 |
| 11-MGB-391 | Soil                             | 0.4  | 0.7   | 0.05 | 1.1  | <0.5 |
| 11-MGB-388 | Soil                             | 0.2  | 0.7   | 0.03 | 0.4  | <0.5 |
| 11-MGB-376 | Soil                             | <0.1 | <0.5  | 0.02 | 0.4  | <0.5 |
| 11-MGB-380 | Soil                             | 0.1  | <0.5  | 0.04 | 0.3  | <0.5 |
| 11-MGB-377 | Soil                             | 0.2  | 0.5   | 0.02 | 0.3  | <0.5 |
| 11-MGB-375 | Soil                             | <0.1 | 0.6   | 0.02 | 0.2  | <0.5 |
| 11-MGB-373 | Soil                             | 0.2  | 7.6   | 0.04 | 0.2  | <0.5 |
| 11-MGB-369 | Soil                             | <0.1 | <0.5  | 0.01 | <0.1 | <0.5 |
| 11-MGB-372 | Soil                             | <0.1 | 0.6   | 0.01 | 0.1  | <0.5 |
| 11-MGB-371 | Soil                             | 0.2  | 0.7   | 0.04 | 0.2  | <0.5 |
| 11-MGB-370 | Soil                             | <0.1 | <0.5  | 0.03 | 0.2  | <0.5 |
| 11-MGB-366 | Soil                             | 0.1  | <0.5  | 0.03 | 0.1  | <0.5 |
| 11-MGB-374 | Soil                             | 0.2  | <0.5  | 0.03 | 0.2  | <0.5 |
| 11-MGB-365 | Soil                             | <0.1 | <0.5  | 0.03 | 0.1  | <0.5 |
| 11-MGB-367 | Soil                             | <0.1 | 0.7   | 0.02 | <0.1 | <0.5 |
| 11-MGB-403 | Soil                             | <0.1 | <0.5  | 0.03 | 0.2  | <0.5 |
| 11-MGB-408 | Soil                             | 0.1  | 2.9   | 0.02 | 0.5  | <0.5 |
| 11-MGB-407 | Soil                             | <0.1 | <0.5  | 0.02 | 0.2  | <0.5 |



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Project: TING 2A

Report Date: November 10, 2011

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## CERTIFICATE OF ANALYSIS

VAN11004020.1

|            | Method<br>Analyte<br>Unit<br>MDL | 4B  | 4B  | 4B   | 4B  | 4B   | 4B  | 4B   | 4B   | 4B  | 4B    | 4B  | 4B   | 4B  | 4B  | 4B  | 4B    | 4B   | 4B   | 4B   |
|------------|----------------------------------|-----|-----|------|-----|------|-----|------|------|-----|-------|-----|------|-----|-----|-----|-------|------|------|------|
|            |                                  | Ba  | Be  | Co   | Cs  | Ga   | Hf  | Nb   | Rb   | Sn  | Sr    | Ta  | Th   | U   | V   | W   | Zr    | Y    | La   | Ce   |
|            |                                  | ppm | ppm | ppm  | ppm | ppm  | ppm | ppm  | ppm  | ppm | ppm   | ppm | ppm  | ppm | ppm | ppm | ppm   | ppm  | ppm  | ppm  |
|            |                                  | 1   | 1   | 0.2  | 0.1 | 0.5  | 0.1 | 0.1  | 0.1  | 1   | 0.5   | 0.1 | 0.2  | 0.1 | 8   | 0.5 | 0.1   | 0.1  | 0.1  | 0.1  |
| 11-MGB-405 | Soil                             | 716 | <1  | 13.2 | 6.1 | 15.3 | 7.3 | 23.2 | 70.4 | 1   | 127.2 | 1.6 | 9.4  | 2.5 | 96  | 2.5 | 254.7 | 19.5 | 32.7 | 64.6 |
| 11-MGB-406 | Soil                             | 513 | 1   | 27.0 | 7.9 | 16.2 | 6.5 | 25.4 | 63.2 | 1   | 80.6  | 1.6 | 7.2  | 2.1 | 158 | 2.5 | 226.3 | 19.6 | 27.7 | 60.1 |
| 11-MGB-404 | Soil                             | 730 | <1  | 20.3 | 6.0 | 15.2 | 6.7 | 21.8 | 69.8 | 2   | 112.6 | 1.5 | 10.1 | 2.6 | 121 | 1.4 | 245.8 | 21.3 | 31.1 | 64.4 |
| 11-J2-44   | Soil                             | 598 | 1   | 5.2  | 3.9 | 10.7 | 7.3 | 15.4 | 65.5 | 2   | 63.0  | 1.1 | 10.6 | 3.1 | 20  | 1.3 | 291.3 | 17.5 | 34.2 | 67.2 |
| 11-J2-47   | Soil                             | 467 | <1  | 5.9  | 3.3 | 8.9  | 8.0 | 11.0 | 68.4 | 2   | 51.2  | 0.8 | 10.1 | 2.7 | <8  | 1.2 | 287.0 | 18.8 | 31.4 | 65.3 |
| 11-J2-49   | Soil                             | 610 | <1  | 5.3  | 3.6 | 11.3 | 7.8 | 14.2 | 77.9 | <1  | 71.6  | 1.0 | 10.3 | 2.9 | 24  | 1.4 | 295.2 | 15.2 | 28.9 | 62.0 |
| 11-J2-48   | Soil                             | 442 | 3   | 6.7  | 3.8 | 9.6  | 8.5 | 12.6 | 68.2 | 1   | 44.9  | 0.7 | 11.8 | 2.9 | <8  | 1.4 | 317.8 | 20.8 | 36.2 | 88.1 |
| 11-J2-53   | Soil                             | 562 | <1  | 8.9  | 3.4 | 10.7 | 9.4 | 18.4 | 74.8 | 1   | 66.1  | 1.3 | 10.9 | 3.0 | 28  | 3.2 | 359.3 | 23.0 | 35.4 | 72.9 |
| 11-J2-56   | Soil                             | 604 | 1   | 13.3 | 3.4 | 12.1 | 8.6 | 17.5 | 75.1 | 2   | 89.9  | 1.1 | 10.2 | 2.9 | 62  | 1.7 | 284.5 | 23.9 | 36.0 | 70.2 |
| 11-J2-52   | Soil                             | 429 | <1  | 10.4 | 3.4 | 10.5 | 7.8 | 17.8 | 58.3 | 1   | 56.3  | 1.0 | 11.3 | 2.9 | 25  | 2.0 | 291.5 | 22.4 | 34.0 | 77.9 |
| 11-J2-51   | Soil                             | 495 | <1  | 6.7  | 4.4 | 9.5  | 7.3 | 11.4 | 81.4 | <1  | 62.1  | 0.7 | 9.9  | 3.0 | <8  | 1.2 | 254.9 | 19.4 | 32.7 | 60.8 |
| 11-J2-58   | Soil                             | 354 | <1  | 31.6 | 4.9 | 15.4 | 6.2 | 26.3 | 55.2 | 2   | 99.1  | 1.7 | 5.4  | 1.5 | 184 | 1.3 | 207.2 | 23.8 | 25.2 | 54.1 |
| 11-J2-57   | Soil                             | 559 | 1   | 24.9 | 5.5 | 14.7 | 5.6 | 21.9 | 83.6 | 1   | 98.8  | 1.4 | 8.1  | 2.2 | 137 | 2.8 | 223.1 | 24.2 | 32.4 | 62.9 |
| 11-J2-55   | Soil                             | 475 | <1  | 19.8 | 3.7 | 12.5 | 7.4 | 19.1 | 67.3 | 1   | 61.6  | 1.3 | 9.5  | 2.5 | 81  | 1.2 | 278.4 | 22.6 | 33.8 | 73.3 |
| 11-J2-54   | Soil                             | 654 | <1  | 11.3 | 3.6 | 12.9 | 8.7 | 20.2 | 84.6 | 2   | 96.8  | 1.3 | 10.2 | 3.3 | 62  | 2.0 | 311.5 | 22.2 | 34.2 | 66.9 |
| 11-J2-50   | Soil                             | 449 | <1  | 4.6  | 4.8 | 10.8 | 7.1 | 10.3 | 70.4 | 1   | 42.7  | 0.5 | 9.0  | 2.7 | <8  | 1.5 | 250.4 | 19.7 | 31.2 | 52.3 |
| 11-J2-46   | Soil                             | 404 | <1  | 5.5  | 3.1 | 9.3  | 9.0 | 14.1 | 67.2 | <1  | 38.3  | 0.9 | 10.1 | 3.0 | <8  | 1.1 | 325.8 | 17.4 | 35.5 | 66.1 |
| 11-J2-59   | Soil                             | 439 | 1   | 37.0 | 9.4 | 19.4 | 5.8 | 31.0 | 93.4 | 2   | 90.3  | 2.0 | 5.8  | 1.6 | 217 | 5.7 | 236.1 | 28.5 | 32.5 | 64.0 |
| 11-J2-60   | Soil                             | 362 | 3   | 31.7 | 5.4 | 19.2 | 4.8 | 27.5 | 38.6 | 2   | 101.1 | 1.8 | 4.0  | 1.2 | 293 | 0.7 | 197.3 | 18.9 | 25.0 | 53.9 |
| 11-J2-61   | Soil                             | 705 | 3   | 36.4 | 8.6 | 17.7 | 4.9 | 26.4 | 64.1 | 1   | 102.1 | 1.7 | 5.8  | 1.5 | 269 | 3.0 | 201.8 | 25.4 | 33.4 | 66.4 |
| 11-J2-62   | Soil                             | 804 | 3   | 27.9 | 7.4 | 16.8 | 5.6 | 22.4 | 84.7 | 2   | 98.0  | 1.4 | 7.4  | 1.9 | 225 | 2.1 | 234.7 | 19.1 | 27.5 | 60.9 |
| 11-J2-63   | Soil                             | 688 | 5   | 32.3 | 8.2 | 17.5 | 5.8 | 26.2 | 72.8 | 2   | 98.1  | 1.5 | 8.1  | 1.8 | 233 | 3.0 | 218.7 | 25.3 | 35.3 | 71.5 |
| 11-J2-43   | Soil                             | 523 | 2   | 5.4  | 3.8 | 11.5 | 8.3 | 15.7 | 62.3 | 2   | 68.7  | 1.1 | 10.9 | 3.1 | 84  | 1.6 | 303.4 | 18.5 | 34.5 | 70.7 |
| 11-J2-45   | Soil                             | 421 | 6   | 5.4  | 3.3 | 9.9  | 8.0 | 15.3 | 63.0 | 1   | 51.1  | 0.9 | 10.3 | 3.0 | 68  | 1.6 | 309.0 | 18.1 | 33.6 | 66.9 |
| 11-J2-41   | Soil                             | 438 | 3   | 6.8  | 2.9 | 9.0  | 8.3 | 13.9 | 58.9 | 1   | 57.7  | 0.9 | 10.1 | 2.7 | 68  | 1.4 | 300.6 | 20.5 | 37.6 | 74.4 |
| 11-J2-42   | Soil                             | 503 | 2   | 5.7  | 3.1 | 10.6 | 7.8 | 16.3 | 67.6 | 1   | 59.1  | 0.9 | 11.6 | 3.1 | 75  | 2.0 | 312.6 | 21.1 | 39.2 | 69.5 |
| 11-J2-38   | Soil                             | 482 | 4   | 5.7  | 2.8 | 9.6  | 8.0 | 15.4 | 54.5 | <1  | 82.8  | 1.1 | 11.0 | 3.2 | 70  | 1.6 | 317.2 | 23.4 | 35.9 | 70.6 |
| 11-J2-39   | Soil                             | 560 | <1  | 6.5  | 3.3 | 11.3 | 8.7 | 20.4 | 67.1 | 2   | 72.1  | 1.4 | 12.5 | 3.7 | 83  | 1.7 | 342.7 | 27.8 | 44.7 | 77.5 |
| 11-J2-40   | Soil                             | 417 | 1   | 5.9  | 3.3 | 9.2  | 7.3 | 14.3 | 56.2 | 2   | 61.4  | 0.8 | 10.1 | 2.9 | 58  | 1.9 | 304.6 | 20.0 | 35.0 | 67.0 |
| 11-J2-36   | Soil                             | 414 | 8   | 7.0  | 3.4 | 9.2  | 6.1 | 18.7 | 60.5 | 2   | 60.9  | 1.2 | 10.9 | 2.8 | 77  | 1.8 | 241.9 | 24.0 | 38.7 | 78.2 |



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Project: TING 2A

Report Date: November 10, 2011

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## CERTIFICATE OF ANALYSIS

VAN11004020.1

|            | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 1DX  | 1DX | 1DX  | 1DX  | 1DX | 1DX   | 1DX  | 1DX  |
|------------|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|-----|-------|------|------|
|            |                                  | Nd   | Sm   | Eu   | Gd   | Tb   | Dy   | Ho   | Er   | Tm   | Yb   | Lu   | Mo  | Cu   | Pb   | Zn  | Ni    | As   | Cd   |
|            |                                  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm | ppm  | ppm  | ppm | ppm   | ppm  | ppm  |
|            |                                  | 0.3  | 0.05 | 0.02 | 0.05 | 0.01 | 0.05 | 0.02 | 0.03 | 0.01 | 0.05 | 0.01 | 0.1 | 0.1  | 0.1  | 1   | 0.1   | 0.5  | 0.1  |
| 11-MGB-405 | Soil                             | 30.2 | 4.62 | 1.19 | 4.10 | 0.62 | 3.29 | 0.78 | 1.95 | 0.33 | 1.89 | 0.30 | 1.0 | 18.8 | 30.6 | 102 | 26.2  | 9.0  | 0.2  |
| 11-MGB-406 | Soil                             | 31.7 | 4.85 | 1.33 | 4.24 | 0.66 | 3.87 | 0.71 | 1.99 | 0.29 | 2.05 | 0.29 | 1.0 | 25.8 | 22.8 | 78  | 50.3  | 39.8 | 0.2  |
| 11-MGB-404 | Soil                             | 31.8 | 5.28 | 1.28 | 4.63 | 0.71 | 3.93 | 0.85 | 2.32 | 0.34 | 1.98 | 0.29 | 1.0 | 23.6 | 19.4 | 97  | 43.3  | 8.1  | 0.2  |
| 11-J2-44   | Soil                             | 28.5 | 4.34 | 0.85 | 3.38 | 0.52 | 2.95 | 0.54 | 2.04 | 0.30 | 1.93 | 0.28 | 0.6 | 5.7  | 15.3 | 102 | 10.7  | 8.9  | 0.5  |
| 11-J2-47   | Soil                             | 32.3 | 4.75 | 0.99 | 4.02 | 0.59 | 3.41 | 0.59 | 1.82 | 0.28 | 1.60 | 0.24 | 0.6 | 7.6  | 20.0 | 93  | 15.3  | 20.7 | 0.3  |
| 11-J2-49   | Soil                             | 25.6 | 3.82 | 0.69 | 3.09 | 0.47 | 2.80 | 0.52 | 1.65 | 0.25 | 2.00 | 0.25 | 0.6 | 5.6  | 15.3 | 126 | 12.1  | 12.2 | 0.5  |
| 11-J2-48   | Soil                             | 31.4 | 5.22 | 1.11 | 4.38 | 0.67 | 3.47 | 0.70 | 1.98 | 0.29 | 1.96 | 0.31 | 0.8 | 7.5  | 26.5 | 148 | 16.9  | 23.2 | 0.4  |
| 11-J2-53   | Soil                             | 35.1 | 5.80 | 1.42 | 4.93 | 0.78 | 4.25 | 0.83 | 2.27 | 0.38 | 2.31 | 0.32 | 0.5 | 15.2 | 24.6 | 91  | 25.2  | 16.0 | 0.3  |
| 11-J2-56   | Soil                             | 35.2 | 6.01 | 1.42 | 5.27 | 0.83 | 4.47 | 0.85 | 2.37 | 0.38 | 2.35 | 0.35 | 0.7 | 19.4 | 23.8 | 109 | 32.8  | 9.9  | 0.4  |
| 11-J2-52   | Soil                             | 34.3 | 5.85 | 1.29 | 5.52 | 0.80 | 4.23 | 0.84 | 2.30 | 0.35 | 2.29 | 0.32 | 0.8 | 15.1 | 44.9 | 96  | 27.9  | 21.5 | 0.4  |
| 11-J2-51   | Soil                             | 29.5 | 4.87 | 1.13 | 4.15 | 0.66 | 3.83 | 0.72 | 1.88 | 0.29 | 1.84 | 0.30 | 0.5 | 8.0  | 19.7 | 118 | 14.3  | 22.8 | 0.5  |
| 11-J2-58   | Soil                             | 32.5 | 6.04 | 1.80 | 6.08 | 0.91 | 4.87 | 0.95 | 2.57 | 0.35 | 2.25 | 0.32 | 0.4 | 60.5 | 14.9 | 111 | 70.7  | 5.8  | 0.1  |
| 11-J2-57   | Soil                             | 33.1 | 6.25 | 1.74 | 5.47 | 0.88 | 4.72 | 0.95 | 2.56 | 0.37 | 2.54 | 0.33 | 0.7 | 45.5 | 18.9 | 112 | 50.5  | 8.2  | 0.3  |
| 11-J2-55   | Soil                             | 32.7 | 5.94 | 1.52 | 5.30 | 0.84 | 4.36 | 0.83 | 2.35 | 0.36 | 2.15 | 0.32 | 0.6 | 34.8 | 17.0 | 72  | 42.9  | 8.2  | 0.2  |
| 11-J2-54   | Soil                             | 32.7 | 5.61 | 1.26 | 4.71 | 0.76 | 4.13 | 0.84 | 2.53 | 0.39 | 2.73 | 0.34 | 0.5 | 17.6 | 18.9 | 95  | 28.6  | 10.1 | 0.1  |
| 11-J2-50   | Soil                             | 31.6 | 4.90 | 1.11 | 4.01 | 0.61 | 3.36 | 0.66 | 1.85 | 0.30 | 2.15 | 0.25 | 0.3 | 5.8  | 15.3 | 161 | 12.9  | 18.6 | 0.5  |
| 11-J2-46   | Soil                             | 27.9 | 5.04 | 1.03 | 3.92 | 0.62 | 3.26 | 0.61 | 1.72 | 0.27 | 1.82 | 0.26 | 0.6 | 5.8  | 22.4 | 68  | 12.2  | 18.2 | 0.3  |
| 11-J2-59   | Soil                             | 40.0 | 7.44 | 2.16 | 6.92 | 1.04 | 5.16 | 1.18 | 3.04 | 0.43 | 2.92 | 0.35 | 0.7 | 73.6 | 16.3 | 98  | 68.0  | 11.5 | 0.1  |
| 11-J2-60   | Soil                             | 28.2 | 4.57 | 1.48 | 4.38 | 0.67 | 3.63 | 0.66 | 2.01 | 0.30 | 1.79 | 0.28 | 0.5 | 26.1 | 12.4 | 118 | 63.6  | 1.8  | 0.1  |
| 11-J2-61   | Soil                             | 31.2 | 6.50 | 1.95 | 6.07 | 0.91 | 4.79 | 0.96 | 2.58 | 0.38 | 2.30 | 0.29 | 0.5 | 68.7 | 19.6 | 98  | 104.1 | 8.4  | <0.1 |
| 11-J2-62   | Soil                             | 25.6 | 4.73 | 1.29 | 4.12 | 0.64 | 3.74 | 0.72 | 1.97 | 0.35 | 2.12 | 0.29 | 0.8 | 29.1 | 18.2 | 86  | 72.5  | 7.3  | 0.2  |
| 11-J2-63   | Soil                             | 34.0 | 6.27 | 1.76 | 5.78 | 0.90 | 5.12 | 0.95 | 2.80 | 0.37 | 2.24 | 0.33 | 0.8 | 60.3 | 34.3 | 120 | 84.6  | 13.9 | 0.3  |
| 11-J2-43   | Soil                             | 27.1 | 4.48 | 0.89 | 3.66 | 0.55 | 3.24 | 0.67 | 1.97 | 0.29 | 1.71 | 0.27 | 0.6 | 6.8  | 18.7 | 86  | 12.1  | 10.7 | 0.3  |
| 11-J2-45   | Soil                             | 26.4 | 4.76 | 0.97 | 3.62 | 0.59 | 3.16 | 0.65 | 1.93 | 0.30 | 2.02 | 0.29 | 0.7 | 7.2  | 21.5 | 91  | 10.9  | 13.2 | 0.6  |
| 11-J2-41   | Soil                             | 32.1 | 4.94 | 1.08 | 4.15 | 0.63 | 3.27 | 0.74 | 1.87 | 0.31 | 1.87 | 0.29 | 0.8 | 7.9  | 21.5 | 84  | 14.6  | 13.9 | 0.3  |
| 11-J2-42   | Soil                             | 28.3 | 5.19 | 0.97 | 4.30 | 0.63 | 3.64 | 0.65 | 1.91 | 0.31 | 2.21 | 0.33 | 0.6 | 7.6  | 21.2 | 113 | 12.0  | 12.4 | 0.6  |
| 11-J2-38   | Soil                             | 28.0 | 5.25 | 1.06 | 4.60 | 0.68 | 3.92 | 0.78 | 2.37 | 0.34 | 2.26 | 0.33 | 0.8 | 8.6  | 19.9 | 67  | 13.2  | 12.2 | 0.2  |
| 11-J2-39   | Soil                             | 36.7 | 6.42 | 1.36 | 5.46 | 0.85 | 4.90 | 0.94 | 2.80 | 0.39 | 2.48 | 0.36 | 0.9 | 9.5  | 25.8 | 96  | 15.6  | 12.9 | 0.4  |
| 11-J2-40   | Soil                             | 26.5 | 4.85 | 1.01 | 3.95 | 0.62 | 3.19 | 0.72 | 1.96 | 0.29 | 2.04 | 0.27 | 0.8 | 7.8  | 22.0 | 73  | 12.9  | 13.2 | 0.4  |
| 11-J2-36   | Soil                             | 31.9 | 5.49 | 1.16 | 4.60 | 0.73 | 3.92 | 0.80 | 2.28 | 0.34 | 2.02 | 0.34 | 1.0 | 8.4  | 28.5 | 52  | 14.8  | 18.5 | 0.4  |



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**Project:** TING 2A

**Report Date:** November 10, 2011

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## CERTIFICATE OF ANALYSIS

VAN11004020.1

|            | Method<br>Analyte<br>Unit<br>MDL | 1DX  | 1DX  | 1DX  | 1DX | 1DX  |
|------------|----------------------------------|------|------|------|-----|------|
|            |                                  | Ag   | Au   | Hg   | Tl  | Se   |
|            |                                  | ppm  | ppb  | ppm  | ppm | ppm  |
|            |                                  | 0.1  | 0.5  | 0.01 | 0.1 | 0.5  |
| 11-MGB-405 | Soil                             | 0.2  | <0.5 | 0.02 | 0.3 | <0.5 |
| 11-MGB-406 | Soil                             | 0.1  | 0.7  | 0.03 | 0.3 | <0.5 |
| 11-MGB-404 | Soil                             | <0.1 | <0.5 | 0.01 | 0.5 | <0.5 |
| 11-J2-44   | Soil                             | 0.2  | <0.5 | 0.04 | 0.4 | <0.5 |
| 11-J2-47   | Soil                             | 0.2  | 0.9  | 0.04 | 0.6 | <0.5 |
| 11-J2-49   | Soil                             | <0.1 | <0.5 | 0.02 | 0.5 | <0.5 |
| 11-J2-48   | Soil                             | 0.2  | 1.1  | 0.03 | 0.8 | <0.5 |
| 11-J2-53   | Soil                             | 0.3  | 1.3  | 0.05 | 0.4 | <0.5 |
| 11-J2-56   | Soil                             | 0.2  | 1.0  | 0.04 | 0.2 | <0.5 |
| 11-J2-52   | Soil                             | 0.2  | 0.7  | 0.04 | 0.5 | 0.5  |
| 11-J2-51   | Soil                             | 0.3  | <0.5 | 0.05 | 0.8 | <0.5 |
| 11-J2-58   | Soil                             | <0.1 | 1.2  | 0.02 | 0.4 | 0.7  |
| 11-J2-57   | Soil                             | 0.2  | 0.6  | 0.05 | 0.4 | 0.7  |
| 11-J2-55   | Soil                             | <0.1 | <0.5 | 0.03 | 0.2 | <0.5 |
| 11-J2-54   | Soil                             | 0.2  | 0.7  | 0.03 | 0.3 | <0.5 |
| 11-J2-50   | Soil                             | 0.3  | <0.5 | 0.04 | 0.7 | 0.7  |
| 11-J2-46   | Soil                             | 0.4  | <0.5 | 0.03 | 0.6 | <0.5 |
| 11-J2-59   | Soil                             | 0.1  | 1.4  | 0.02 | 0.7 | <0.5 |
| 11-J2-60   | Soil                             | <0.1 | 0.5  | 0.03 | 0.1 | <0.5 |
| 11-J2-61   | Soil                             | 0.2  | 2.1  | 0.04 | 0.4 | <0.5 |
| 11-J2-62   | Soil                             | 0.1  | 0.8  | 0.02 | 0.2 | <0.5 |
| 11-J2-63   | Soil                             | 0.2  | 0.5  | 0.04 | 0.5 | <0.5 |
| 11-J2-43   | Soil                             | 0.2  | 1.1  | 0.04 | 0.3 | <0.5 |
| 11-J2-45   | Soil                             | 0.1  | 1.6  | 0.03 | 0.4 | <0.5 |
| 11-J2-41   | Soil                             | 0.2  | 0.9  | 0.04 | 0.3 | <0.5 |
| 11-J2-42   | Soil                             | 0.2  | 1.1  | 0.03 | 0.3 | <0.5 |
| 11-J2-38   | Soil                             | 0.2  | 1.2  | 0.03 | 0.3 | <0.5 |
| 11-J2-39   | Soil                             | 0.2  | <0.5 | 0.04 | 0.3 | <0.5 |
| 11-J2-40   | Soil                             | 0.2  | 1.3  | 0.04 | 0.4 | <0.5 |
| 11-J2-36   | Soil                             | 0.1  | 0.6  | 0.03 | 0.4 | <0.5 |



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Project: TING 2A

Report Date: November 10, 2011

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## CERTIFICATE OF ANALYSIS

VAN11004020.1

|            | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B  | 4B   | 4B   | 4B   | 4B   | 4B   | 4B    | 4B  | 4B    | 4B  | 4B   | 4B  | 4B  | 4B   | 4B    | 4B   | 4B   |
|------------|----------------------------------|------|-----|------|------|------|------|------|-------|-----|-------|-----|------|-----|-----|------|-------|------|------|
|            |                                  | Ba   | Be  | Co   | Cs   | Ga   | Hf   | Nb   | Rb    | Sn  | Sr    | Ta  | Th   | U   | V   | W    | Zr    | Y    | La   |
|            |                                  | ppm  | ppm | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm | ppm   | ppm | ppm  | ppm | ppm | ppm  | ppm   | ppm  | ppm  |
|            |                                  | 1    | 1   | 0.2  | 0.1  | 0.5  | 0.1  | 0.1  | 0.1   | 1   | 0.5   | 0.1 | 0.2  | 0.1 | 8   | 0.5  | 0.1   | 0.1  | 0.1  |
| 11-J2-37   | Soil                             | 482  | 2   | 6.1  | 3.3  | 9.6  | 7.7  | 15.3 | 56.0  | 2   | 63.1  | 1.0 | 10.7 | 3.1 | 71  | 1.1  | 296.7 | 24.6 | 39.7 |
| 11-J2-34   | Soil                             | 488  | 2   | 6.4  | 2.4  | 9.0  | 6.0  | 12.6 | 47.6  | <1  | 89.0  | 0.8 | 10.1 | 2.6 | 69  | 1.2  | 233.3 | 21.3 | 31.8 |
| 11-J2-33   | Soil                             | 181  | 4   | 3.6  | 1.8  | 4.6  | 3.8  | 12.4 | 28.4  | <1  | 58.0  | 0.7 | 6.1  | 1.8 | 34  | 1.4  | 157.6 | 14.6 | 22.4 |
| 11-J2-32   | Soil                             | 363  | 1   | 4.4  | 2.1  | 6.0  | 2.5  | 8.5  | 32.9  | 1   | 74.5  | 0.5 | 5.1  | 2.4 | 41  | 0.7  | 91.5  | 11.6 | 21.8 |
| 11-J2-35   | Soil                             | 410  | 4   | 6.1  | 2.5  | 9.7  | 7.3  | 13.2 | 47.4  | 1   | 55.9  | 0.7 | 9.1  | 2.9 | 67  | 1.7  | 284.9 | 18.5 | 32.0 |
| 11-J2-31   | Soil                             | 612  | 2   | 8.4  | 3.5  | 9.6  | 5.2  | 14.8 | 62.5  | 2   | 86.2  | 1.0 | 10.9 | 3.1 | 78  | 1.6  | 197.1 | 23.1 | 41.7 |
| 11-J2-30   | Soil                             | 367  | 3   | 5.5  | 1.9  | 6.5  | 4.2  | 10.8 | 41.0  | 2   | 74.3  | 0.8 | 6.9  | 2.2 | 52  | 0.8  | 162.4 | 16.7 | 24.6 |
| 11-J2-29   | Soil                             | 436  | 1   | 6.3  | 2.0  | 7.5  | 3.8  | 10.9 | 43.1  | 2   | 76.6  | 0.7 | 7.6  | 2.2 | 59  | 1.0  | 158.4 | 17.5 | 26.6 |
| 11-J2-28   | Soil                             | 535  | 2   | 7.6  | 2.6  | 8.3  | 5.2  | 12.9 | 50.1  | 2   | 80.9  | 0.9 | 9.1  | 2.6 | 65  | 0.8  | 190.7 | 19.5 | 31.1 |
| 11-J2-27   | Soil                             | 267  | 3   | 4.0  | 1.6  | 4.6  | 3.5  | 8.2  | 29.7  | <1  | 62.1  | 0.5 | 5.7  | 1.9 | 36  | <0.5 | 121.2 | 10.9 | 17.7 |
| 11-J2-26   | Soil                             | 530  | 2   | 7.4  | 2.5  | 7.9  | 5.2  | 12.5 | 54.7  | 1   | 75.2  | 0.9 | 9.3  | 2.3 | 64  | 1.0  | 196.0 | 18.3 | 30.1 |
| 11-MGB-401 | Soil                             | 687  | 3   | 18.6 | 7.1  | 15.1 | 8.3  | 22.3 | 97.2  | 2   | 135.4 | 1.5 | 12.1 | 3.0 | 126 | 1.4  | 290.6 | 20.5 | 35.2 |
| 11-MGB-402 | Soil                             | 748  | 3   | 13.5 | 4.9  | 15.2 | 7.5  | 19.7 | 77.0  | 2   | 112.9 | 1.3 | 9.4  | 2.5 | 134 | 1.5  | 286.6 | 18.0 | 32.8 |
| 11-MGB-420 | Soil                             | 810  | <1  | 2.9  | 3.1  | 12.8 | 10.2 | 11.2 | 52.5  | 2   | 183.5 | 0.8 | 7.4  | 2.5 | 97  | 0.9  | 392.5 | 16.9 | 24.7 |
| 11-MGB-422 | Soil                             | 583  | 4   | 1.7  | 3.0  | 9.4  | 10.7 | 14.9 | 52.8  | 2   | 73.2  | 0.9 | 7.6  | 2.6 | 100 | 1.6  | 410.2 | 19.1 | 27.7 |
| 11-MGB-425 | Soil                             | 1540 | 4   | 2.9  | 4.6  | 13.3 | 4.8  | 8.3  | 68.9  | 2   | 113.6 | 0.5 | 9.1  | 2.5 | 151 | 0.7  | 205.9 | 15.0 | 26.8 |
| 11-MGB-421 | Soil                             | 285  | <1  | 0.9  | 1.0  | 5.0  | 12.3 | 9.4  | 18.1  | <1  | 45.4  | 0.6 | 5.0  | 2.0 | 66  | 0.9  | 477.5 | 15.0 | 17.8 |
| 11-MGB-416 | Soil                             | 1124 | <1  | 12.9 | 1.5  | 4.5  | 7.7  | 6.7  | 24.5  | <1  | 34.8  | 0.4 | 4.6  | 2.3 | 153 | 1.3  | 288.7 | 12.4 | 25.5 |
| 11-MGB-423 | Soil                             | 1619 | <1  | 4.0  | 8.9  | 23.0 | 5.6  | 14.8 | 141.3 | 3   | 143.1 | 1.1 | 11.8 | 3.1 | 257 | 1.3  | 181.8 | 16.8 | 32.7 |
| 11-MGB-410 | Soil                             | 7981 | 4   | 1.7  | 12.9 | 21.1 | 2.4  | 8.1  | 171.4 | 2   | 64.3  | 0.6 | 7.5  | 5.2 | 447 | 1.5  | 97.3  | 17.6 | 19.2 |
| 11-MGB-409 | Soil                             | 790  | <1  | 4.6  | 1.4  | 4.5  | 7.5  | 4.4  | 17.9  | <1  | 38.6  | 0.2 | 4.0  | 1.5 | 74  | <0.5 | 278.4 | 11.5 | 11.0 |
| 11-MGB-413 | Soil                             | 1262 | <1  | 8.0  | 4.8  | 15.2 | 4.3  | 6.8  | 48.0  | 2   | 78.1  | 0.4 | 9.2  | 3.1 | 171 | 0.5  | 152.6 | 18.3 | 24.2 |
| 11-MGB-411 | Soil                             | 6727 | 6   | 2.3  | 14.5 | 18.4 | 3.2  | 6.5  | 142.6 | 2   | 82.0  | 0.5 | 8.0  | 5.1 | 572 | 0.9  | 115.6 | 17.4 | 23.6 |
| 11-MGB-412 | Soil                             | 705  | <1  | 5.1  | 1.7  | 5.1  | 12.4 | 8.4  | 25.8  | 1   | 49.4  | 0.6 | 5.1  | 1.9 | 67  | 0.5  | 492.8 | 15.0 | 18.4 |
| 11-MGB-415 | Soil                             | 2132 | 3   | 13.7 | 5.4  | 14.7 | 5.5  | 10.9 | 61.1  | 2   | 116.1 | 0.8 | 11.2 | 5.6 | 236 | 1.3  | 206.0 | 24.3 | 34.5 |
| 11-J2-66   | Soil                             | 708  | 1   | 2.4  | 2.1  | 14.8 | 6.4  | 5.9  | 41.9  | 1   | 321.8 | 0.4 | 5.9  | 2.3 | 83  | 0.8  | 238.7 | 8.5  | 16.2 |
| 11-J2-93   | Soil                             | 943  | 3   | 7.8  | 3.4  | 12.0 | 6.9  | 19.8 | 81.0  | 2   | 76.2  | 1.2 | 10.8 | 3.3 | 155 | 1.0  | 281.6 | 19.2 | 31.0 |
| 11-J2-126  | Soil                             | 353  | 2   | 4.1  | 3.0  | 10.0 | 10.5 | 17.7 | 62.2  | 3   | 106.3 | 1.2 | 9.1  | 2.6 | 69  | 1.5  | 397.7 | 22.3 | 28.5 |
| 11-J2-97   | Soil                             | 1833 | 2   | 14.8 | 4.6  | 12.2 | 6.4  | 21.8 | 81.7  | 2   | 51.3  | 1.5 | 11.5 | 3.7 | 304 | 1.5  | 257.2 | 35.1 | 40.5 |
| 11-J2-91   | Soil                             | 2056 | 2   | 8.3  | 5.1  | 13.7 | 5.2  | 19.9 | 86.7  | 1   | 49.8  | 1.2 | 8.0  | 6.2 | 688 | 2.0  | 213.0 | 27.1 | 31.0 |



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Project: TING 2A

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VAN11004020.1

|            | Method<br>Analyte<br>Unit<br>MDL | 4B         | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 1DX         | 1DX        | 1DX        | 1DX        | 1DX      | 1DX        | 1DX        | 1DX        |
|------------|----------------------------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|------------|----------|------------|------------|------------|
|            |                                  | Nd         | Sm          | Eu          | Gd          | Tb          | Dy          | Ho          | Er          | Tm          | Yb          | Lu          | Mo         | Cu         | Pb         | Zn       | Ni         | As         | Cd         |
|            |                                  | ppm<br>0.3 | ppm<br>0.05 | ppm<br>0.02 | ppm<br>0.05 | ppm<br>0.01 | ppm<br>0.05 | ppm<br>0.02 | ppm<br>0.03 | ppm<br>0.01 | ppm<br>0.05 | ppm<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.1 |
| 11-J2-37   | Soil                             | 31.6       | 5.55        | 1.14        | 4.72        | 0.73        | 3.97        | 0.76        | 2.21        | 0.32        | 2.26        | 0.31        | 1.0        | 8.2        | 20.9       | 77       | 13.8       | 12.2       | 0.3        |
| 11-J2-34   | Soil                             | 26.0       | 4.61        | 1.01        | 4.07        | 0.63        | 3.97        | 0.79        | 2.13        | 0.33        | 2.00        | 0.30        | 1.0        | 9.8        | 15.8       | 69       | 13.4       | 10.9       | 0.3        |
| 11-J2-33   | Soil                             | 18.0       | 3.18        | 0.67        | 2.60        | 0.44        | 2.34        | 0.46        | 1.42        | 0.21        | 1.34        | 0.22        | 0.7        | 5.5        | 16.5       | 23       | 7.8        | 5.6        | 0.2        |
| 11-J2-32   | Soil                             | 16.1       | 2.90        | 0.57        | 2.36        | 0.34        | 1.69        | 0.37        | 1.15        | 0.15        | 1.01        | 0.18        | 1.1        | 7.5        | 25.6       | 136      | 8.5        | 4.8        | 0.8        |
| 11-J2-35   | Soil                             | 24.6       | 4.29        | 0.92        | 3.58        | 0.56        | 2.97        | 0.64        | 1.93        | 0.28        | 1.67        | 0.27        | 1.0        | 8.1        | 17.1       | 61       | 10.7       | 9.7        | 0.4        |
| 11-J2-31   | Soil                             | 31.4       | 5.50        | 1.14        | 5.06        | 0.76        | 4.44        | 0.79        | 2.30        | 0.34        | 2.26        | 0.34        | 1.2        | 9.5        | 28.3       | 88       | 16.4       | 8.5        | 0.7        |
| 11-J2-30   | Soil                             | 21.2       | 3.84        | 0.76        | 3.23        | 0.51        | 3.04        | 0.58        | 1.74        | 0.23        | 1.65        | 0.21        | 0.8        | 7.5        | 13.3       | 53       | 11.3       | 6.7        | 0.4        |
| 11-J2-29   | Soil                             | 21.6       | 3.87        | 0.74        | 3.29        | 0.53        | 2.78        | 0.60        | 1.79        | 0.26        | 1.57        | 0.24        | 0.9        | 8.5        | 13.6       | 67       | 12.7       | 7.5        | 0.4        |
| 11-J2-28   | Soil                             | 26.3       | 4.42        | 0.83        | 3.71        | 0.59        | 3.37        | 0.64        | 1.96        | 0.30        | 1.87        | 0.24        | 0.9        | 8.0        | 13.6       | 66       | 12.5       | 9.2        | 0.4        |
| 11-J2-27   | Soil                             | 12.7       | 2.41        | 0.50        | 2.10        | 0.32        | 1.69        | 0.37        | 1.08        | 0.15        | 1.08        | 0.14        | 0.6        | 5.3        | 10.2       | 25       | 7.5        | 6.8        | 0.2        |
| 11-J2-26   | Soil                             | 25.0       | 4.42        | 0.85        | 3.65        | 0.56        | 3.29        | 0.57        | 1.65        | 0.27        | 1.78        | 0.26        | 1.0        | 10.2       | 14.5       | 80       | 13.3       | 9.6        | 0.4        |
| 11-MGB-401 | Soil                             | 33.8       | 5.59        | 1.39        | 5.06        | 0.73        | 3.99        | 0.79        | 2.21        | 0.31        | 2.10        | 0.31        | 0.4        | 22.5       | 12.5       | 63       | 40.0       | 13.2       | 0.3        |
| 11-MGB-402 | Soil                             | 26.2       | 4.75        | 1.02        | 3.75        | 0.60        | 3.38        | 0.69        | 1.96        | 0.29        | 2.01        | 0.29        | 0.6        | 14.3       | 13.0       | 59       | 27.1       | 5.9        | <0.1       |
| 11-MGB-420 | Soil                             | 24.2       | 3.48        | 0.71        | 2.95        | 0.47        | 2.47        | 0.58        | 1.80        | 0.27        | 1.78        | 0.30        | 1.5        | 8.5        | 10.3       | 19       | 4.5        | 4.1        | 0.1        |
| 11-MGB-422 | Soil                             | 21.3       | 3.61        | 0.66        | 2.96        | 0.51        | 3.57        | 0.65        | 2.02        | 0.31        | 1.95        | 0.36        | 1.2        | 3.7        | 7.5        | 14       | 3.4        | 6.3        | <0.1       |
| 11-MGB-425 | Soil                             | 20.9       | 3.93        | 0.76        | 3.30        | 0.48        | 2.41        | 0.51        | 1.68        | 0.25        | 1.64        | 0.25        | 3.3        | 10.7       | 13.9       | 21       | 7.8        | 11.7       | 0.1        |
| 11-MGB-421 | Soil                             | 15.0       | 2.42        | 0.41        | 1.97        | 0.37        | 2.15        | 0.54        | 1.69        | 0.23        | 1.63        | 0.27        | 1.0        | 4.4        | 7.2        | 12       | 2.4        | 11.9       | <0.1       |
| 11-MGB-416 | Soil                             | 21.6       | 3.56        | 0.62        | 2.41        | 0.38        | 2.07        | 0.43        | 1.14        | 0.18        | 1.34        | 0.20        | 8.2        | 9.9        | 6.2        | 134      | 14.3       | 18.9       | 0.5        |
| 11-MGB-423 | Soil                             | 25.5       | 4.59        | 0.88        | 3.35        | 0.53        | 3.01        | 0.59        | 1.82        | 0.29        | 1.83        | 0.30        | 2.9        | 28.1       | 30.7       | 38       | 11.2       | 15.0       | 0.2        |
| 11-MGB-410 | Soil                             | 14.4       | 2.59        | 0.59        | 2.67        | 0.41        | 2.53        | 0.54        | 1.97        | 0.26        | 2.06        | 0.31        | 2.3        | 17.3       | 15.6       | 23       | 14.2       | 2.4        | 0.4        |
| 11-MGB-409 | Soil                             | 9.7        | 2.16        | 0.43        | 2.03        | 0.35        | 2.05        | 0.46        | 1.25        | 0.19        | 1.24        | 0.21        | 4.9        | 6.0        | 5.3        | 33       | 7.5        | 23.6       | 0.2        |
| 11-MGB-413 | Soil                             | 20.3       | 4.14        | 0.93        | 3.58        | 0.57        | 3.36        | 0.65        | 1.96        | 0.28        | 1.96        | 0.29        | 6.9        | 12.9       | 17.6       | 49       | 16.6       | 48.4       | 0.3        |
| 11-MGB-411 | Soil                             | 21.8       | 4.01        | 0.85        | 3.67        | 0.56        | 3.17        | 0.61        | 2.06        | 0.29        | 2.20        | 0.30        | 21.7       | 27.5       | 19.5       | 46       | 18.6       | 62.8       | 0.3        |
| 11-MGB-412 | Soil                             | 15.2       | 2.89        | 0.50        | 2.22        | 0.40        | 2.39        | 0.55        | 1.73        | 0.22        | 1.87        | 0.28        | 1.9        | 5.7        | 6.3        | 34       | 8.1        | 4.7        | 0.2        |
| 11-MGB-415 | Soil                             | 29.8       | 5.62        | 1.24        | 4.98        | 0.75        | 4.10        | 0.86        | 2.37        | 0.37        | 2.53        | 0.36        | 8.2        | 14.2       | 15.6       | 131      | 23.6       | 22.4       | 1.2        |
| 11-J2-66   | Soil                             | 12.1       | 2.24        | 0.53        | 1.77        | 0.26        | 1.58        | 0.34        | 0.84        | 0.14        | 0.92        | 0.14        | 0.3        | 4.5        | 7.5        | 6        | 2.0        | 1.7        | <0.1       |
| 11-J2-93   | Soil                             | 26.0       | 4.43        | 0.86        | 3.29        | 0.54        | 3.40        | 0.62        | 1.89        | 0.32        | 1.83        | 0.29        | 2.7        | 13.8       | 17.0       | 192      | 22.5       | 10.0       | 3.8        |
| 11-J2-126  | Soil                             | 27.9       | 4.42        | 0.83        | 3.74        | 0.64        | 3.81        | 0.74        | 2.39        | 0.36        | 2.37        | 0.35        | 0.6        | 12.1       | 6.4        | 26       | 9.1        | 3.8        | <0.1       |
| 11-J2-97   | Soil                             | 33.5       | 6.62        | 1.45        | 5.96        | 0.94        | 5.06        | 1.04        | 3.08        | 0.48        | 3.19        | 0.45        | 5.0        | 21.3       | 30.6       | 448      | 74.1       | 26.0       | 6.7        |
| 11-J2-91   | Soil                             | 29.6       | 4.84        | 1.05        | 4.26        | 0.68        | 3.96        | 0.78        | 2.35        | 0.37        | 2.19        | 0.37        | 14.5       | 29.3       | 25.7       | 510      | 60.2       | 25.0       | 7.2        |



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**Project:** TING 2A

**Report Date:** November 10, 2011

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## CERTIFICATE OF ANALYSIS

VAN11004020.1

|            | Method<br>Analyte<br>Unit<br>MDL | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  |
|------------|----------------------------------|------|------|------|------|------|
|            |                                  | Ag   | Au   | Hg   | Tl   | Se   |
|            |                                  | ppm  | ppb  | ppm  | ppm  | ppm  |
|            |                                  | 0.1  | 0.5  | 0.01 | 0.1  | 0.5  |
| 11-J2-37   | Soil                             | 0.2  | <0.5 | 0.04 | 0.2  | <0.5 |
| 11-J2-34   | Soil                             | 0.2  | <0.5 | 0.03 | 0.3  | <0.5 |
| 11-J2-33   | Soil                             | 0.2  | 0.7  | 0.02 | 0.1  | <0.5 |
| 11-J2-32   | Soil                             | 0.1  | <0.5 | 0.06 | <0.1 | <0.5 |
| 11-J2-35   | Soil                             | 0.2  | 0.9  | 0.04 | 0.2  | <0.5 |
| 11-J2-31   | Soil                             | 0.1  | 0.5  | 0.04 | 0.1  | <0.5 |
| 11-J2-30   | Soil                             | <0.1 | 1.1  | 0.03 | <0.1 | <0.5 |
| 11-J2-29   | Soil                             | <0.1 | 0.7  | 0.03 | <0.1 | <0.5 |
| 11-J2-28   | Soil                             | <0.1 | 0.8  | 0.03 | 0.1  | <0.5 |
| 11-J2-27   | Soil                             | <0.1 | <0.5 | 0.03 | <0.1 | <0.5 |
| 11-J2-26   | Soil                             | 0.1  | 0.8  | 0.03 | 0.1  | <0.5 |
| 11-MGB-401 | Soil                             | <0.1 | 0.9  | 0.02 | 0.3  | <0.5 |
| 11-MGB-402 | Soil                             | <0.1 | <0.5 | 0.02 | 0.1  | <0.5 |
| 11-MGB-420 | Soil                             | 0.4  | <0.5 | 0.02 | <0.1 | <0.5 |
| 11-MGB-422 | Soil                             | 0.3  | <0.5 | 0.03 | <0.1 | <0.5 |
| 11-MGB-425 | Soil                             | 0.6  | 2.1  | 0.11 | 0.2  | 1.0  |
| 11-MGB-421 | Soil                             | <0.1 | 1.7  | 0.01 | <0.1 | <0.5 |
| 11-MGB-416 | Soil                             | 0.2  | <0.5 | 0.06 | 0.1  | 1.6  |
| 11-MGB-423 | Soil                             | 1.6  | 1.6  | 0.08 | 0.2  | 0.7  |
| 11-MGB-410 | Soil                             | 3.6  | 2.7  | 0.35 | 0.6  | 5.4  |
| 11-MGB-409 | Soil                             | 0.2  | <0.5 | 0.05 | <0.1 | 1.2  |
| 11-MGB-413 | Soil                             | 0.5  | 1.3  | 0.18 | 0.2  | 1.7  |
| 11-MGB-411 | Soil                             | 4.8  | 5.5  | 0.40 | 0.5  | 9.6  |
| 11-MGB-412 | Soil                             | 0.1  | <0.5 | 0.06 | <0.1 | <0.5 |
| 11-MGB-415 | Soil                             | 1.0  | 19.4 | 0.21 | 0.3  | 2.8  |
| 11-J2-66   | Soil                             | 0.2  | 3.6  | 0.04 | <0.1 | <0.5 |
| 11-J2-93   | Soil                             | <0.1 | 2.2  | 0.02 | 0.2  | 0.6  |
| 11-J2-126  | Soil                             | <0.1 | 2.2  | 0.01 | <0.1 | <0.5 |
| 11-J2-97   | Soil                             | 0.9  | 2.8  | 0.12 | 0.4  | 2.0  |
| 11-J2-91   | Soil                             | 2.3  | 1.6  | 0.12 | 1.0  | 4.4  |



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Project: TING 2A

Report Date: November 10, 2011

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## CERTIFICATE OF ANALYSIS

VAN11004020.1

|           | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B  | 4B   | 4B  | 4B   | 4B   | 4B   | 4B    | 4B  | 4B    | 4B  | 4B   | 4B  | 4B  | 4B  | 4B    | 4B   | 4B   |
|-----------|----------------------------------|------|-----|------|-----|------|------|------|-------|-----|-------|-----|------|-----|-----|-----|-------|------|------|
|           |                                  | Ba   | Be  | Co   | Cs  | Ga   | Hf   | Nb   | Rb    | Sn  | Sr    | Ta  | Th   | U   | V   | W   | Zr    | Y    | La   |
|           |                                  | ppm  | ppm | ppm  | ppm | ppm  | ppm  | ppm  | ppm   | ppm | ppm   | ppm | ppm  | ppm | ppm | ppm | ppm   | ppm  | ppm  |
|           |                                  | 1    | 1   | 0.2  | 0.1 | 0.5  | 0.1  | 0.1  | 0.1   | 1   | 0.5   | 0.1 | 0.2  | 0.1 | 8   | 0.5 | 0.1   | 0.1  | 0.1  |
| 11-J2-94  | Soil                             | 974  | 6   | 9.8  | 3.5 | 10.8 | 7.7  | 20.7 | 73.8  | 2   | 43.9  | 1.2 | 12.8 | 3.7 | 160 | 1.1 | 306.0 | 29.0 | 35.8 |
| 11-J2-95  | Soil                             | 1066 | <1  | 11.0 | 3.6 | 13.7 | 8.2  | 21.1 | 76.8  | 2   | 90.1  | 1.5 | 12.5 | 3.4 | 115 | 1.2 | 292.1 | 23.9 | 40.0 |
| 11-J2-98  | Soil                             | 746  | 1   | 7.2  | 3.1 | 11.2 | 7.7  | 18.4 | 62.1  | 2   | 66.2  | 1.2 | 10.2 | 3.1 | 84  | 0.7 | 292.4 | 18.0 | 28.9 |
| 11-J2-127 | Soil                             | 697  | 6   | 7.8  | 5.7 | 13.5 | 8.9  | 20.0 | 79.1  | 3   | 100.2 | 1.3 | 10.9 | 3.1 | 100 | 1.1 | 343.1 | 23.1 | 31.8 |
| 11-J2-102 | Soil                             | 683  | 2   | 8.3  | 3.6 | 12.4 | 7.7  | 22.5 | 65.9  | 2   | 85.9  | 1.4 | 12.5 | 3.3 | 83  | 0.9 | 279.9 | 20.7 | 36.8 |
| 11-J2-125 | Soil                             | 528  | 1   | 5.4  | 3.2 | 13.5 | 9.1  | 20.6 | 69.5  | 2   | 96.4  | 1.4 | 9.3  | 2.7 | 91  | 1.8 | 328.9 | 21.3 | 28.3 |
| 11-J2-96  | Soil                             | 958  | <1  | 9.8  | 4.1 | 13.7 | 7.6  | 17.8 | 84.5  | 2   | 81.3  | 1.2 | 12.5 | 3.2 | 91  | 1.3 | 276.7 | 21.3 | 39.7 |
| 11-J2-100 | Soil                             | 597  | 1   | 6.9  | 4.1 | 13.1 | 6.2  | 29.7 | 69.6  | 2   | 76.2  | 1.9 | 10.6 | 3.3 | 80  | 1.2 | 240.3 | 18.1 | 35.3 |
| 11-J2-129 | Soil                             | 241  | 2   | 3.7  | 1.5 | 6.0  | 12.3 | 16.7 | 38.0  | <1  | 41.9  | 1.1 | 6.1  | 2.1 | 36  | 1.2 | 457.7 | 16.0 | 22.3 |
| 11-J2-99  | Soil                             | 2870 | 2   | 10.3 | 4.7 | 12.2 | 6.4  | 22.9 | 75.4  | 1   | 48.9  | 1.4 | 11.1 | 4.3 | 397 | 1.0 | 235.2 | 40.0 | 45.7 |
| 11-J2-70  | Soil                             | 454  | <1  | 2.7  | 2.0 | 8.8  | 9.3  | 12.1 | 39.1  | <1  | 57.2  | 1.0 | 7.0  | 2.4 | 82  | 1.4 | 338.0 | 17.5 | 21.7 |
| 11-J2-74  | Soil                             | 391  | 2   | 1.1  | 1.5 | 6.5  | 11.2 | 10.7 | 26.1  | <1  | 49.5  | 0.8 | 6.6  | 2.2 | 70  | 1.5 | 418.5 | 20.0 | 21.7 |
| 11-J2-65  | Soil                             | 740  | 3   | 5.8  | 2.5 | 11.5 | 11.8 | 15.8 | 58.0  | 2   | 102.2 | 1.1 | 11.5 | 3.5 | 89  | 1.2 | 440.9 | 27.5 | 35.7 |
| 11-J2-73  | Soil                             | 635  | <1  | 3.9  | 2.9 | 11.7 | 9.7  | 14.8 | 57.7  | 2   | 80.9  | 1.2 | 9.4  | 3.0 | 108 | 1.4 | 352.0 | 21.3 | 32.9 |
| 11-J2-71  | Soil                             | 722  | 8   | 2.0  | 1.8 | 8.7  | 12.8 | 14.4 | 35.6  | 2   | 80.2  | 0.9 | 9.2  | 2.8 | 83  | 1.2 | 453.7 | 25.0 | 29.3 |
| 11-J2-72  | Soil                             | 576  | 1   | 2.0  | 2.2 | 8.7  | 11.1 | 11.6 | 34.0  | <1  | 71.2  | 0.9 | 8.0  | 2.6 | 82  | 1.4 | 428.0 | 20.5 | 26.2 |
| 11-J2-78  | Soil                             | 348  | 4   | 1.4  | 1.2 | 5.7  | 10.9 | 10.4 | 23.7  | <1  | 43.1  | 0.7 | 5.0  | 2.0 | 54  | 0.9 | 432.9 | 16.9 | 16.4 |
| 11-J2-76  | Soil                             | 290  | <1  | 0.8  | 1.0 | 5.9  | 12.4 | 10.3 | 16.0  | 1   | 40.1  | 0.8 | 5.0  | 2.2 | 55  | 1.1 | 475.8 | 19.3 | 16.8 |
| 11-J2-73  | Soil                             | 666  | 1   | 4.8  | 2.9 | 12.3 | 8.8  | 15.1 | 60.0  | 2   | 81.1  | 1.0 | 9.2  | 2.8 | 109 | 1.2 | 339.3 | 19.9 | 31.5 |
| 11-J2-77  | Soil                             | 387  | 2   | 1.2  | 2.0 | 7.2  | 10.5 | 10.7 | 31.8  | <1  | 49.6  | 0.9 | 5.5  | 1.9 | 61  | 1.1 | 404.5 | 15.8 | 17.5 |
| 11-J2-88  | Soil                             | 305  | <1  | 1.2  | 1.0 | 4.0  | 10.1 | 5.9  | 19.7  | <1  | 35.8  | 0.5 | 3.8  | 1.6 | 39  | 0.7 | 380.1 | 11.6 | 14.6 |
| 11-J2-79  | Soil                             | 469  | <1  | 2.8  | 1.6 | 5.8  | 12.0 | 12.0 | 26.5  | <1  | 57.1  | 0.8 | 7.3  | 2.3 | 64  | 0.6 | 447.7 | 19.5 | 22.3 |
| 11-J2-67  | Soil                             | 710  | 2   | 3.8  | 3.0 | 13.1 | 10.9 | 16.9 | 64.5  | 2   | 93.5  | 1.3 | 10.0 | 3.1 | 115 | 1.3 | 375.3 | 21.6 | 34.5 |
| 11-J2-69  | Soil                             | 534  | 1   | 2.5  | 2.1 | 13.8 | 8.7  | 18.9 | 43.8  | 2   | 73.9  | 1.5 | 9.0  | 2.7 | 144 | 2.1 | 332.7 | 19.4 | 33.1 |
| 11-J2-81  | Soil                             | 685  | 2   | 4.7  | 3.1 | 13.0 | 8.6  | 16.2 | 72.7  | 2   | 92.2  | 1.0 | 9.3  | 2.6 | 115 | 1.7 | 305.7 | 21.2 | 32.7 |
| 11-J2-85  | Soil                             | 845  | 2   | 7.7  | 3.8 | 13.4 | 7.3  | 15.0 | 82.1  | 2   | 92.7  | 1.1 | 11.2 | 3.0 | 118 | 1.6 | 265.1 | 20.5 | 35.2 |
| 11-J2-89  | Soil                             | 529  | 2   | 2.0  | 1.3 | 5.4  | 8.6  | 7.9  | 25.0  | 1   | 36.5  | 0.5 | 4.0  | 1.8 | 58  | 0.9 | 318.2 | 12.0 | 14.4 |
| 11-J2-64  | Soil                             | 2330 | 3   | 10.2 | 8.4 | 23.7 | 4.0  | 17.1 | 107.4 | 2   | 124.5 | 1.1 | 15.7 | 6.5 | 345 | 1.1 | 156.4 | 19.8 | 37.8 |
| 11-J2-68  | Soil                             | 743  | 4   | 3.5  | 3.1 | 12.6 | 10.8 | 17.4 | 62.1  | 2   | 88.7  | 1.2 | 10.1 | 3.2 | 101 | 1.7 | 375.8 | 22.3 | 35.5 |
| 11-J2-80  | Soil                             | 612  | 2   | 2.7  | 2.9 | 12.0 | 9.7  | 15.4 | 38.1  | 2   | 83.9  | 1.1 | 10.7 | 3.5 | 126 | 1.5 | 351.0 | 27.9 | 33.2 |



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**Project:** TING 2A  
**Report Date:** November 10, 2011

**Page:** 7 of 8 **Part** 2

## CERTIFICATE OF ANALYSIS

VAN11004020.1

|           |      | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 1DX  | 1DX  | 1DX  | 1DX | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  |     |
|-----------|------|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|-----|
|           |      |                                  | Nd   | Sm   | Eu   | Gd   | Tb   | Dy   | Ho   | Er   | Tm   | Yb   | Lu   | Mo   | Cu   | Pb  | Zn   | Ni   | As   | Cd   | Sb   | Bi  |
|           |      |                                  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm | ppm  | ppm  | ppm  | ppm  | ppm  | ppm |
|           |      |                                  | 0.3  | 0.05 | 0.02 | 0.05 | 0.01 | 0.05 | 0.02 | 0.03 | 0.01 | 0.05 | 0.01 | 0.1  | 0.1  | 0.1 | 1    | 0.1  | 0.5  | 0.1  | 0.1  | 0.1 |
| 11-J2-94  | Soil | 36.8                             | 6.54 | 1.43 | 5.90 | 0.94 | 5.55 | 1.00 | 2.89 | 0.41 | 2.60 | 0.38 | 5.7  | 22.6 | 30.0 | 214 | 44.7 | 23.4 | 2.5  | 1.6  | 0.2  |     |
| 11-J2-95  | Soil | 35.6                             | 6.17 | 1.13 | 4.72 | 0.74 | 4.53 | 0.84 | 2.48 | 0.39 | 2.35 | 0.35 | 1.3  | 11.9 | 21.4 | 132 | 23.7 | 12.1 | 2.1  | 0.6  | 0.3  |     |
| 11-J2-98  | Soil | 21.5                             | 4.02 | 0.78 | 3.35 | 0.54 | 3.18 | 0.66 | 1.88 | 0.29 | 1.47 | 0.27 | 0.9  | 7.2  | 21.6 | 192 | 19.0 | 11.2 | 3.3  | 0.4  | 0.2  |     |
| 11-J2-127 | Soil | 25.1                             | 4.76 | 0.96 | 4.01 | 0.69 | 3.86 | 0.74 | 2.40 | 0.40 | 2.42 | 0.39 | 0.8  | 19.4 | 12.2 | 63  | 20.6 | 6.6  | 0.2  | 0.4  | 0.2  |     |
| 11-J2-102 | Soil | 30.3                             | 5.34 | 1.06 | 4.49 | 0.69 | 4.26 | 0.77 | 2.33 | 0.33 | 2.23 | 0.35 | 0.6  | 7.8  | 20.9 | 159 | 17.0 | 8.1  | 4.3  | 0.2  | 0.2  |     |
| 11-J2-125 | Soil | 24.5                             | 4.33 | 0.77 | 3.52 | 0.62 | 4.11 | 0.69 | 2.21 | 0.35 | 2.40 | 0.35 | 1.1  | 10.0 | 10.0 | 45  | 13.3 | 7.4  | <0.1 | 0.4  | 0.2  |     |
| 11-J2-96  | Soil | 32.7                             | 5.74 | 1.02 | 4.17 | 0.67 | 3.93 | 0.76 | 2.39 | 0.35 | 2.29 | 0.32 | 1.0  | 11.9 | 18.6 | 103 | 23.6 | 13.2 | 2.4  | 0.4  | 0.3  |     |
| 11-J2-100 | Soil | 28.6                             | 4.50 | 0.79 | 3.55 | 0.56 | 3.40 | 0.65 | 1.98 | 0.31 | 1.85 | 0.30 | 1.0  | 10.3 | 32.2 | 105 | 16.3 | 10.9 | 1.9  | 0.4  | 0.2  |     |
| 11-J2-129 | Soil | 19.9                             | 3.44 | 0.57 | 2.58 | 0.44 | 2.45 | 0.53 | 1.71 | 0.26 | 2.05 | 0.27 | 0.4  | 8.1  | 6.6  | 25  | 7.8  | 3.5  | <0.1 | 0.2  | 0.1  |     |
| 11-J2-99  | Soil | 38.0                             | 7.74 | 1.69 | 6.81 | 1.05 | 5.58 | 1.21 | 3.45 | 0.51 | 3.27 | 0.48 | 5.3  | 32.0 | 41.8 | 641 | 73.6 | 23.6 | 20.5 | 3.8  | 0.2  |     |
| 11-J2-70  | Soil | 17.9                             | 3.06 | 0.56 | 2.46 | 0.44 | 2.66 | 0.60 | 1.90 | 0.29 | 1.69 | 0.28 | 1.5  | 6.3  | 10.4 | 33  | 7.2  | 7.8  | <0.1 | 0.4  | 0.2  |     |
| 11-J2-74  | Soil | 18.5                             | 3.06 | 0.60 | 2.67 | 0.49 | 3.16 | 0.67 | 1.99 | 0.32 | 1.88 | 0.29 | 1.3  | 4.7  | 7.3  | 12  | 2.6  | 7.8  | <0.1 | 0.2  | 0.1  |     |
| 11-J2-65  | Soil | 30.3                             | 5.58 | 1.07 | 4.75 | 0.76 | 4.35 | 0.91 | 2.51 | 0.44 | 2.99 | 0.44 | 1.0  | 11.5 | 11.4 | 33  | 13.6 | 6.6  | <0.1 | 0.3  | 0.2  |     |
| 11-J2-73  | Soil | 24.2                             | 4.33 | 0.83 | 3.47 | 0.59 | 3.59 | 0.73 | 2.18 | 0.36 | 2.45 | 0.34 | 1.7  | 8.1  | 13.9 | 45  | 10.1 | 9.0  | 0.1  | 0.3  | 0.2  |     |
| 11-J2-71  | Soil | 25.7                             | 4.44 | 0.85 | 3.85 | 0.66 | 4.08 | 0.88 | 2.55 | 0.40 | 2.74 | 0.38 | 1.3  | 8.9  | 9.3  | 24  | 6.8  | 7.5  | <0.1 | 0.3  | 0.1  |     |
| 11-J2-72  | Soil | 22.2                             | 3.73 | 0.66 | 3.03 | 0.52 | 3.28 | 0.77 | 1.91 | 0.35 | 2.10 | 0.34 | 1.4  | 6.9  | 10.5 | 25  | 6.1  | 8.4  | <0.1 | 0.3  | 0.2  |     |
| 11-J2-78  | Soil | 12.7                             | 2.47 | 0.50 | 2.21 | 0.42 | 2.58 | 0.57 | 1.63 | 0.29 | 1.67 | 0.31 | 0.9  | 3.6  | 6.8  | 12  | 2.7  | 7.1  | <0.1 | 0.2  | <0.1 |     |
| 11-J2-76  | Soil | 15.5                             | 2.60 | 0.49 | 2.41 | 0.45 | 2.61 | 0.64 | 1.86 | 0.31 | 2.03 | 0.31 | 0.8  | 4.2  | 7.7  | 9   | 1.7  | 7.5  | <0.1 | 0.2  | <0.1 |     |
| 11-J2-73  | Soil | 24.4                             | 4.17 | 0.77 | 3.42 | 0.54 | 3.23 | 0.72 | 1.85 | 0.33 | 2.35 | 0.31 | 1.6  | 9.0  | 13.5 | 49  | 10.9 | 8.7  | 0.1  | 0.2  | 0.2  |     |
| 11-J2-77  | Soil | 15.3                             | 2.45 | 0.47 | 2.21 | 0.41 | 2.41 | 0.61 | 1.74 | 0.26 | 1.55 | 0.28 | 1.1  | 3.4  | 6.6  | 12  | 2.8  | 5.2  | <0.1 | 0.2  | 0.1  |     |
| 11-J2-88  | Soil | 10.9                             | 1.92 | 0.37 | 1.62 | 0.29 | 1.75 | 0.43 | 1.08 | 0.20 | 1.20 | 0.23 | 1.2  | 4.7  | 4.7  | 21  | 3.5  | 5.9  | <0.1 | 0.3  | <0.1 |     |
| 11-J2-79  | Soil | 17.6                             | 3.21 | 0.57 | 2.72 | 0.49 | 3.24 | 0.71 | 1.95 | 0.29 | 2.12 | 0.32 | 1.4  | 8.4  | 9.5  | 30  | 9.1  | 8.8  | <0.1 | 0.3  | 0.1  |     |
| 11-J2-67  | Soil | 24.6                             | 4.59 | 0.83 | 3.97 | 0.66 | 3.63 | 0.79 | 2.06 | 0.36 | 2.32 | 0.36 | 1.6  | 8.4  | 14.8 | 39  | 9.7  | 8.1  | 0.1  | 0.2  | 0.2  |     |
| 11-J2-69  | Soil | 25.5                             | 4.40 | 0.73 | 3.46 | 0.53 | 3.34 | 0.65 | 1.86 | 0.33 | 2.29 | 0.32 | 1.3  | 3.3  | 14.9 | 50  | 5.7  | 6.2  | 0.3  | 0.2  | 0.3  |     |
| 11-J2-81  | Soil | 22.7                             | 4.16 | 0.79 | 3.40 | 0.59 | 3.23 | 0.71 | 2.14 | 0.35 | 2.17 | 0.31 | 1.8  | 6.1  | 12.5 | 55  | 10.0 | 10.6 | 0.2  | 0.5  | 0.2  |     |
| 11-J2-85  | Soil | 26.5                             | 4.63 | 0.89 | 3.75 | 0.62 | 3.58 | 0.66 | 1.97 | 0.35 | 2.15 | 0.33 | 1.8  | 12.5 | 18.3 | 132 | 21.4 | 13.7 | 0.3  | 0.4  | 0.3  |     |
| 11-J2-89  | Soil | 12.3                             | 2.11 | 0.42 | 1.75 | 0.31 | 1.90 | 0.41 | 1.13 | 0.20 | 1.36 | 0.19 | 1.7  | 7.2  | 8.1  | 66  | 7.1  | 7.6  | 0.3  | 0.5  | <0.1 |     |
| 11-J2-64  | Soil | 28.4                             | 5.30 | 1.04 | 4.60 | 0.67 | 3.45 | 0.75 | 1.96 | 0.33 | 1.97 | 0.34 | 6.2  | 24.5 | 26.1 | 88  | 19.3 | 20.9 | 0.9  | 0.1  | 0.4  |     |
| 11-J2-68  | Soil | 30.2                             | 4.95 | 0.93 | 4.09 | 0.67 | 3.52 | 0.79 | 2.28 | 0.40 | 2.52 | 0.36 | 1.5  | 6.9  | 14.2 | 49  | 7.6  | 6.1  | 0.1  | <0.1 | 0.2  |     |
| 11-J2-80  | Soil | 29.9                             | 4.90 | 1.07 | 4.80 | 0.77 | 4.88 | 1.01 | 2.77 | 0.47 | 2.82 | 0.46 | 1.2  | 7.3  | 17.3 | 21  | 7.0  | 12.0 | <0.1 | 0.1  | 0.2  |     |



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**Project:** TING 2A

**Report Date:** November 10, 2011

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## CERTIFICATE OF ANALYSIS

VAN11004020.1

|           | Method<br>Analyte<br>Unit<br>MDL | 1DX  | 1DX  | 1DX   | 1DX  | 1DX  |
|-----------|----------------------------------|------|------|-------|------|------|
|           |                                  | Ag   | Au   | Hg    | Tl   | Se   |
|           |                                  | ppm  | ppb  | ppm   | ppm  | ppm  |
|           |                                  | 0.1  | 0.5  | 0.01  | 0.1  | 0.5  |
| 11-J2-94  | Soil                             | 0.5  | 1.3  | 0.07  | 0.6  | 1.5  |
| 11-J2-95  | Soil                             | 0.2  | 1.0  | 0.03  | 0.1  | 0.7  |
| 11-J2-98  | Soil                             | 0.2  | 0.6  | 0.03  | 0.1  | 0.5  |
| 11-J2-127 | Soil                             | <0.1 | <0.5 | 0.03  | 0.1  | <0.5 |
| 11-J2-102 | Soil                             | 0.1  | <0.5 | 0.03  | 0.1  | <0.5 |
| 11-J2-125 | Soil                             | <0.1 | 13.3 | 0.02  | <0.1 | <0.5 |
| 11-J2-96  | Soil                             | 0.2  | <0.5 | 0.03  | 0.1  | <0.5 |
| 11-J2-100 | Soil                             | 0.1  | 0.8  | 0.03  | 0.1  | <0.5 |
| 11-J2-129 | Soil                             | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-J2-99  | Soil                             | 2.3  | 1.5  | 0.19  | 0.5  | 3.8  |
| 11-J2-70  | Soil                             | 0.2  | <0.5 | 0.02  | 0.1  | 0.5  |
| 11-J2-74  | Soil                             | 0.3  | <0.5 | 0.03  | <0.1 | 0.9  |
| 11-J2-65  | Soil                             | <0.1 | 6.5  | 0.02  | <0.1 | <0.5 |
| 11-J2-73  | Soil                             | 0.6  | <0.5 | 0.04  | 0.1  | 0.8  |
| 11-J2-71  | Soil                             | 0.1  | 1.3  | 0.04  | <0.1 | 0.8  |
| 11-J2-72  | Soil                             | 0.3  | <0.5 | 0.03  | <0.1 | 0.6  |
| 11-J2-78  | Soil                             | 0.1  | <0.5 | 0.02  | <0.1 | 0.8  |
| 11-J2-76  | Soil                             | 0.1  | <0.5 | 0.02  | <0.1 | 0.5  |
| 11-J2-73  | Soil                             | 0.6  | <0.5 | 0.05  | 0.1  | 0.7  |
| 11-J2-77  | Soil                             | 0.2  | <0.5 | 0.02  | <0.1 | <0.5 |
| 11-J2-88  | Soil                             | 0.2  | 0.8  | 0.01  | <0.1 | <0.5 |
| 11-J2-79  | Soil                             | 0.5  | 1.1  | 0.03  | <0.1 | 0.8  |
| 11-J2-67  | Soil                             | 0.4  | 2.0  | 0.12  | 0.1  | 0.5  |
| 11-J2-69  | Soil                             | 0.3  | <0.5 | 0.01  | 0.1  | <0.5 |
| 11-J2-81  | Soil                             | 0.7  | <0.5 | 0.02  | 0.1  | <0.5 |
| 11-J2-85  | Soil                             | 0.3  | 0.9  | 0.04  | 0.2  | <0.5 |
| 11-J2-89  | Soil                             | 0.2  | 0.7  | 0.02  | <0.1 | 0.6  |
| 11-J2-64  | Soil                             | 0.7  | <0.5 | 0.06  | 0.4  | 1.4  |
| 11-J2-68  | Soil                             | 0.3  | <0.5 | 0.02  | 0.2  | <0.5 |
| 11-J2-80  | Soil                             | 0.7  | <0.5 | 0.03  | <0.1 | 1.0  |



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Project: TING 2A

Report Date: November 10, 2011

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## CERTIFICATE OF ANALYSIS

VAN11004020.1

|            | Method<br>Analyte<br>Unit<br>MDL | 4B  | 4B  | 4B  | 4B   | 4B   | 4B   | 4B   | 4B    | 4B  | 4B    | 4B  | 4B   | 4B  | 4B  | 4B    | 4B    | 4B   | 4B   | 4B   |      |
|------------|----------------------------------|-----|-----|-----|------|------|------|------|-------|-----|-------|-----|------|-----|-----|-------|-------|------|------|------|------|
|            |                                  | Ba  | Be  | Co  | Cs   | Ga   | Hf   | Nb   | Rb    | Sn  | Sr    | Ta  | Th   | U   | V   | W     | Zr    | Y    | La   | Ce   | Pr   |
|            |                                  | ppm | ppm | ppm | ppm  | ppm  | ppm  | ppm  | ppm   | ppm | ppm   | ppm | ppm  | ppm | ppm | ppm   | ppm   | ppm  | ppm  | ppm  | ppm  |
|            |                                  | 1   | 1   | 0.2 | 0.1  | 0.5  | 0.1  | 0.1  | 0.1   | 1   | 0.5   | 0.1 | 0.2  | 0.1 | 8   | 0.5   | 0.1   | 0.1  | 0.1  | 0.1  | 0.02 |
| 11-J2-86   | Soil                             | 971 | 4   | 3.3 | 3.8  | 14.8 | 8.0  | 14.8 | 83.5  | 3   | 117.0 | 1.3 | 10.7 | 3.0 | 155 | 3.1   | 319.8 | 23.0 | 36.9 | 73.5 | 8.54 |
| 11-J2-87   | Soil                             | 531 | 3   | 1.6 | 2.0  | 7.8  | 9.6  | 11.8 | 40.5  | 1   | 61.1  | 0.7 | 6.4  | 2.3 | 109 | 1.4   | 409.1 | 16.7 | 22.6 | 43.8 | 5.12 |
| 11-J2-84   | Soil                             | 411 | 4   | 1.6 | 1.5  | 7.0  | 10.7 | 11.8 | 31.1  | 2   | 54.1  | 0.7 | 5.8  | 2.3 | 88  | 1.0   | 450.6 | 17.9 | 20.7 | 40.0 | 4.57 |
| 11-J2-82   | Soil                             | 527 | 3   | 3.9 | 2.3  | 9.5  | 12.4 | 12.8 | 43.2  | 2   | 73.0  | 1.0 | 8.6  | 2.8 | 107 | 1.2   | 483.2 | 18.5 | 26.7 | 51.2 | 5.95 |
| 11-J2-90   | Soil                             | 675 | 2   | 2.0 | 3.0  | 11.7 | 8.6  | 14.3 | 58.2  | 2   | 94.8  | 0.9 | 8.0  | 2.4 | 109 | 1.1   | 292.2 | 18.0 | 28.4 | 55.8 | 6.54 |
| 11-J2-83   | Soil                             | 289 | <1  | 1.4 | 0.9  | 4.4  | 9.5  | 8.8  | 22.4  | 1   | 42.1  | 0.6 | 4.5  | 1.6 | 52  | 0.8   | 330.5 | 11.2 | 14.9 | 28.1 | 3.31 |
| 11-J2-139  | Soil                             | 520 | 1   | 4.9 | 2.4  | 10.5 | 9.8  | 19.4 | 56.4  | 2   | 92.1  | 1.4 | 8.5  | 2.5 | 77  | 1.3   | 376.7 | 18.4 | 30.2 | 58.6 | 6.82 |
| 11-MGB-351 | Soil                             | 690 | <1  | 7.6 | 6.9  | 14.6 | 9.4  | 19.9 | 86.4  | 7   | 95.4  | 1.3 | 13.6 | 4.8 | 112 | 226.9 | 353.4 | 26.3 | 45.0 | 86.6 | 9.72 |
| 11-MGB-352 | Soil                             | 604 | 1   | 8.3 | 11.5 | 12.2 | 5.8  | 10.8 | 143.7 | 2   | 86.6  | 0.8 | 9.4  | 2.6 | 64  | 20.1  | 208.1 | 18.7 | 26.8 | 51.1 | 6.26 |
| 11-MGB-353 | Soil                             | 549 | 1   | 7.0 | 6.5  | 10.5 | 6.0  | 12.1 | 99.4  | 2   | 88.8  | 0.7 | 9.0  | 2.5 | 66  | 9.6   | 232.8 | 18.5 | 28.3 | 55.5 | 6.56 |
| 11-MGB-414 | Soil                             | 677 | 2   | 7.2 | 1.3  | 4.8  | 11.9 | 7.2  | 23.3  | 1   | 42.1  | 0.6 | 5.6  | 2.2 | 83  | 1.3   | 465.2 | 14.8 | 22.8 | 41.2 | 4.75 |
| 11-J2-075  | Soil                             | 348 | <1  | 1.0 | 1.2  | 5.1  | 11.2 | 8.0  | 23.1  | 1   | 42.1  | 0.7 | 5.2  | 1.9 | 58  | 1.0   | 412.6 | 15.7 | 16.5 | 31.3 | 3.70 |
| 11-J2-101  | Soil                             | 646 | 4   | 7.2 | 3.1  | 11.8 | 7.8  | 18.8 | 62.0  | 1   | 85.2  | 1.3 | 12.0 | 3.0 | 90  | 1.5   | 270.6 | 21.2 | 38.4 | 76.2 | 8.60 |
| 11-J2-103  | Soil                             | 933 | <1  | 7.0 | 2.8  | 12.0 | 7.4  | 17.5 | 63.1  | 2   | 86.3  | 1.1 | 14.0 | 3.5 | 89  | 0.7   | 276.9 | 23.0 | 39.6 | 78.0 | 9.18 |
| 11-J2-138  | Soil                             | 425 | <1  | 6.2 | 1.8  | 6.9  | 9.6  | 19.2 | 44.5  | 1   | 61.3  | 1.3 | 8.0  | 2.5 | 63  | 1.6   | 381.7 | 18.6 | 28.4 | 59.6 | 6.50 |



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Report Date: November 10, 2011

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## CERTIFICATE OF ANALYSIS

VAN11004020.1

|            | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 1DX | 1DX  | 1DX   | 1DX | 1DX  | 1DX  | 1DX  | 1DX  |
|------------|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|-----|------|-------|-----|------|------|------|------|
|            |                                  | Nd   | Sm   | Eu   | Gd   | Tb   | Dy   | Ho   | Er   | Tm   | Yb   | Lu   | Mo  | Cu   | Pb    | Zn  | Ni   | As   | Cd   | Sb   |
|            |                                  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm | ppm  | ppm   | ppm | ppm  | ppm  | ppm  | ppm  |
|            |                                  | 0.3  | 0.05 | 0.02 | 0.05 | 0.01 | 0.05 | 0.02 | 0.03 | 0.01 | 0.05 | 0.01 | 0.1 | 0.1  | 0.1   | 1   | 0.1  | 0.5  | 0.1  | 0.1  |
| 11-J2-86   | Soil                             | 31.5 | 5.30 | 0.93 | 4.10 | 0.60 | 3.36 | 0.69 | 2.20 | 0.38 | 2.28 | 0.36 | 1.0 | 6.1  | 12.1  | 26  | 7.1  | 5.9  | <0.1 | <0.1 |
| 11-J2-87   | Soil                             | 17.9 | 2.72 | 0.55 | 2.73 | 0.41 | 2.67 | 0.52 | 1.65 | 0.27 | 1.93 | 0.27 | 0.9 | 5.0  | 7.2   | 21  | 5.0  | 4.8  | <0.1 | 0.2  |
| 11-J2-84   | Soil                             | 16.9 | 2.94 | 0.54 | 2.21 | 0.42 | 2.86 | 0.57 | 1.78 | 0.29 | 1.85 | 0.32 | 0.9 | 4.5  | 6.4   | 16  | 2.8  | 5.9  | <0.1 | 0.3  |
| 11-J2-82   | Soil                             | 19.5 | 3.67 | 0.70 | 2.74 | 0.48 | 2.88 | 0.65 | 1.87 | 0.32 | 1.88 | 0.30 | 1.6 | 7.6  | 12.7  | 59  | 11.3 | 7.3  | 0.1  | 0.5  |
| 11-J2-90   | Soil                             | 22.6 | 3.97 | 0.75 | 3.33 | 0.52 | 2.96 | 0.61 | 2.11 | 0.31 | 1.91 | 0.29 | 0.7 | 3.9  | 10.7  | 26  | 3.6  | 3.3  | 0.1  | 0.1  |
| 11-J2-83   | Soil                             | 10.4 | 1.88 | 0.33 | 1.56 | 0.28 | 1.95 | 0.36 | 1.15 | 0.18 | 1.13 | 0.18 | 0.7 | 3.1  | 5.0   | 14  | 3.0  | 3.3  | <0.1 | 0.2  |
| 11-J2-139  | Soil                             | 24.4 | 3.91 | 0.69 | 3.34 | 0.53 | 3.45 | 0.64 | 1.94 | 0.33 | 1.87 | 0.31 | 0.7 | 6.4  | 9.1   | 45  | 11.1 | 4.1  | 0.1  | 0.2  |
| 11-MGB-351 | Soil                             | 36.3 | 5.99 | 1.29 | 5.18 | 0.77 | 4.41 | 0.87 | 2.43 | 0.40 | 2.34 | 0.42 | 5.9 | 45.6 | 135.4 | 642 | 19.5 | 54.5 | 4.4  | 0.7  |
| 11-MGB-352 | Soil                             | 23.9 | 4.25 | 1.00 | 3.69 | 0.56 | 3.33 | 0.66 | 1.81 | 0.27 | 1.80 | 0.25 | 8.4 | 38.1 | 327.9 | 892 | 13.4 | 43.8 | 1.3  | 1.2  |
| 11-MGB-353 | Soil                             | 25.8 | 4.30 | 0.97 | 3.85 | 0.58 | 3.25 | 0.69 | 1.88 | 0.30 | 1.87 | 0.27 | 4.2 | 22.7 | 113.8 | 259 | 13.1 | 16.2 | 1.0  | 0.6  |
| 11-MGB-414 | Soil                             | 18.4 | 2.81 | 0.48 | 2.52 | 0.37 | 2.21 | 0.47 | 1.37 | 0.22 | 1.75 | 0.25 | 3.0 | 5.4  | 5.2   | 38  | 8.1  | 9.6  | 0.2  | 0.4  |
| 11-J2-075  | Soil                             | 13.6 | 2.55 | 0.46 | 2.12 | 0.38 | 2.42 | 0.54 | 1.56 | 0.28 | 1.72 | 0.27 | 0.9 | 4.7  | 5.5   | 14  | 2.7  | 6.0  | <0.1 | 0.2  |
| 11-J2-101  | Soil                             | 33.2 | 5.28 | 1.07 | 4.20 | 0.65 | 3.88 | 0.67 | 2.19 | 0.34 | 1.92 | 0.32 | 0.8 | 7.3  | 20.0  | 118 | 16.8 | 10.4 | 2.5  | 0.3  |
| 11-J2-103  | Soil                             | 33.7 | 6.21 | 1.26 | 5.01 | 0.79 | 4.65 | 0.81 | 2.79 | 0.38 | 2.46 | 0.39 | 0.6 | 6.4  | 15.3  | 156 | 26.8 | 7.7  | 1.1  | 0.3  |
| 11-J2-138  | Soil                             | 26.7 | 4.15 | 0.82 | 3.57 | 0.56 | 3.33 | 0.69 | 2.06 | 0.30 | 2.15 | 0.31 | 0.6 | 9.3  | 12.8  | 33  | 13.8 | 4.1  | <0.1 | 0.3  |



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**Project:** TING 2A

**Report Date:** November 10, 2011

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## CERTIFICATE OF ANALYSIS

VAN11004020.1

|            | Method<br>Analyte<br>Unit<br>MDL | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  |
|------------|----------------------------------|------|------|------|------|------|
|            |                                  | Ag   | Au   | Hg   | Tl   | Se   |
|            |                                  | ppm  | ppb  | ppm  | ppm  | ppm  |
|            |                                  | 0.1  | 0.5  | 0.01 | 0.1  | 0.5  |
| 11-J2-86   | Soil                             | 0.3  | <0.5 | 0.03 | 0.1  | <0.5 |
| 11-J2-87   | Soil                             | 0.2  | <0.5 | 0.02 | <0.1 | <0.5 |
| 11-J2-84   | Soil                             | 0.2  | <0.5 | 0.02 | <0.1 | <0.5 |
| 11-J2-82   | Soil                             | 0.5  | 0.6  | 0.05 | <0.1 | 0.6  |
| 11-J2-90   | Soil                             | 0.4  | <0.5 | 0.02 | <0.1 | <0.5 |
| 11-J2-83   | Soil                             | 0.3  | 0.7  | 0.02 | <0.1 | 0.7  |
| 11-J2-139  | Soil                             | <0.1 | 4.3  | 0.02 | <0.1 | <0.5 |
| 11-MGB-351 | Soil                             | 3.2  | 5.2  | 0.08 | 0.4  | <0.5 |
| 11-MGB-352 | Soil                             | 0.8  | 3.6  | 0.05 | 1.5  | <0.5 |
| 11-MGB-353 | Soil                             | 0.4  | 2.7  | 0.03 | 0.4  | <0.5 |
| 11-MGB-414 | Soil                             | 0.2  | 1.5  | 0.03 | <0.1 | 0.9  |
| 11-J2-075  | Soil                             | <0.1 | 34.8 | 0.01 | <0.1 | 1.0  |
| 11-J2-101  | Soil                             | 0.1  | 2.1  | 0.02 | 0.1  | <0.5 |
| 11-J2-103  | Soil                             | 0.2  | 2.3  | 0.05 | 0.2  | <0.5 |
| 11-J2-138  | Soil                             | <0.1 | 1.7  | 0.02 | <0.1 | <0.5 |



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November 10, 2011

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Part 1

## QUALITY CONTROL REPORT

VAN11004020.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 4B  | 4B  | 4B   | 4B  | 4B   | 4B   | 4B   | 4B    | 4B  | 4B    | 4B  | 4B   | 4B  | 4B  | 4B   | 4B    | 4B   | 4B   | 4B   | 4B   |
|---------------------|----------------------------------|-----|-----|------|-----|------|------|------|-------|-----|-------|-----|------|-----|-----|------|-------|------|------|------|------|
|                     |                                  | Ba  | Be  | Co   | Cs  | Ga   | Hf   | Nb   | Rb    | Sn  | Sr    | Ta  | Th   | U   | V   | W    | Zr    | Y    | La   | Ce   | Pr   |
|                     |                                  | ppm | ppm | ppm  | ppm | ppm  | ppm  | ppm  | ppm   | ppm | ppm   | ppm | ppm  | ppm | ppm | ppm  | ppm   | ppm  | ppm  | ppm  | ppm  |
|                     |                                  | 1   | 1   | 0.2  | 0.1 | 0.5  | 0.1  | 0.1  | 0.1   | 1   | 0.5   | 0.1 | 0.2  | 0.1 | 8   | 0.5  | 0.1   | 0.1  | 0.1  | 0.1  | 0.02 |
| Pulp Duplicates     |                                  |     |     |      |     |      |      |      |       |     |       |     |      |     |     |      |       |      |      |      |      |
| 11-MGB-357          | Soil                             | 648 | 7   | 6.0  | 9.9 | 12.4 | 6.2  | 13.5 | 129.7 | <1  | 101.3 | 0.9 | 9.2  | 2.7 | 81  | 8.3  | 212.3 | 19.3 | 27.3 | 51.1 | 6.20 |
| REP 11-MGB-357      | QC                               |     |     |      |     |      |      |      |       |     |       |     |      |     |     |      |       |      |      |      |      |
| 11-MGB-355          | Soil                             | 618 | <1  | 6.9  | 6.3 | 11.3 | 6.4  | 13.6 | 89.0  | <1  | 95.2  | 0.9 | 10.1 | 3.8 | 76  | 6.8  | 247.2 | 22.0 | 30.1 | 58.7 | 6.94 |
| REP 11-MGB-355      | QC                               | 620 | 5   | 6.0  | 6.1 | 10.8 | 7.7  | 13.4 | 90.9  | <1  | 95.1  | 0.9 | 9.8  | 3.5 | 77  | 6.7  | 249.1 | 21.6 | 30.0 | 58.0 | 6.72 |
| 11-MGB-354          | Soil                             | 568 | <1  | 7.1  | 7.0 | 11.1 | 5.7  | 12.3 | 97.3  | 1   | 96.7  | 0.9 | 8.8  | 2.8 | 75  | 33.0 | 259.5 | 22.2 | 30.5 | 57.4 | 7.08 |
| REP 11-MGB-354      | QC                               | 548 | 2   | 7.1  | 6.8 | 11.2 | 7.0  | 12.8 | 96.3  | 1   | 93.8  | 1.2 | 8.6  | 3.0 | 77  | 31.3 | 269.4 | 20.6 | 30.7 | 57.4 | 7.03 |
| 11-MGB-394          | Soil                             | 575 | 3   | 6.2  | 4.6 | 11.4 | 7.1  | 15.3 | 80.8  | 2   | 72.6  | 1.0 | 9.0  | 3.0 | 86  | 1.8  | 306.7 | 18.3 | 28.2 | 54.6 | 6.40 |
| REP 11-MGB-394      | QC                               |     |     |      |     |      |      |      |       |     |       |     |      |     |     |      |       |      |      |      |      |
| 11-MGB-380          | Soil                             | 619 | <1  | 6.9  | 4.0 | 13.6 | 8.4  | 20.7 | 74.2  | 2   | 90.6  | 1.2 | 12.8 | 3.6 | 66  | 1.6  | 307.8 | 24.2 | 38.5 | 83.7 | 8.62 |
| REP 11-MGB-380      | QC                               |     |     |      |     |      |      |      |       |     |       |     |      |     |     |      |       |      |      |      |      |
| 11-J2-57            | Soil                             | 559 | 1   | 24.9 | 5.5 | 14.7 | 5.6  | 21.9 | 83.6  | 1   | 98.8  | 1.4 | 8.1  | 2.2 | 137 | 2.8  | 223.1 | 24.2 | 32.4 | 62.9 | 7.80 |
| REP 11-J2-57        | QC                               | 545 | 5   | 23.8 | 6.0 | 15.4 | 6.3  | 22.1 | 82.2  | 2   | 99.8  | 1.3 | 7.6  | 2.2 | 126 | 3.5  | 218.3 | 23.4 | 30.8 | 59.0 | 7.70 |
| 11-J2-63            | Soil                             | 688 | 5   | 32.3 | 8.2 | 17.5 | 5.8  | 26.2 | 72.8  | 2   | 98.1  | 1.5 | 8.1  | 1.8 | 233 | 3.0  | 218.7 | 25.3 | 35.3 | 71.5 | 8.60 |
| REP 11-J2-63        | QC                               |     |     |      |     |      |      |      |       |     |       |     |      |     |     |      |       |      |      |      |      |
| 11-J2-32            | Soil                             | 363 | 1   | 4.4  | 2.1 | 6.0  | 2.5  | 8.5  | 32.9  | 1   | 74.5  | 0.5 | 5.1  | 2.4 | 41  | 0.7  | 91.5  | 11.6 | 21.8 | 45.9 | 4.61 |
| REP 11-J2-32        | QC                               | 370 | <1  | 4.4  | 2.0 | 6.2  | 2.8  | 9.5  | 34.6  | <1  | 76.3  | 0.5 | 5.5  | 2.3 | 39  | 0.9  | 97.7  | 12.3 | 21.6 | 45.4 | 4.48 |
| 11-J2-93            | Soil                             | 943 | 3   | 7.8  | 3.4 | 12.0 | 6.9  | 19.8 | 81.0  | 2   | 76.2  | 1.2 | 10.8 | 3.3 | 155 | 1.0  | 281.6 | 19.2 | 31.0 | 66.8 | 7.15 |
| REP 11-J2-93        | QC                               | 976 | 2   | 8.2  | 3.8 | 12.5 | 7.2  | 18.7 | 82.7  | 2   | 79.3  | 1.3 | 10.8 | 3.4 | 159 | 1.0  | 279.7 | 19.5 | 33.6 | 69.8 | 7.44 |
| 11-J2-126           | Soil                             | 353 | 2   | 4.1  | 3.0 | 10.0 | 10.5 | 17.7 | 62.2  | 3   | 106.3 | 1.2 | 9.1  | 2.6 | 69  | 1.5  | 397.7 | 22.3 | 28.5 | 58.7 | 6.92 |
| REP 11-J2-126       | QC                               |     |     |      |     |      |      |      |       |     |       |     |      |     |     |      |       |      |      |      |      |
| 11-J2-90            | Soil                             | 675 | 2   | 2.0  | 3.0 | 11.7 | 8.6  | 14.3 | 58.2  | 2   | 94.8  | 0.9 | 8.0  | 2.4 | 109 | 1.1  | 292.2 | 18.0 | 28.4 | 55.8 | 6.54 |
| REP 11-J2-90        | QC                               | 688 | 2   | 2.3  | 3.1 | 11.6 | 6.9  | 14.0 | 60.4  | 1   | 95.9  | 0.9 | 8.2  | 2.4 | 121 | 1.2  | 293.8 | 18.1 | 30.2 | 59.0 | 6.81 |
| Reference Materials |                                  |     |     |      |     |      |      |      |       |     |       |     |      |     |     |      |       |      |      |      |      |
| STD DS8             | Standard                         |     |     |      |     |      |      |      |       |     |       |     |      |     |     |      |       |      |      |      |      |
| STD DS8             | Standard                         |     |     |      |     |      |      |      |       |     |       |     |      |     |     |      |       |      |      |      |      |
| STD DS8             | Standard                         |     |     |      |     |      |      |      |       |     |       |     |      |     |     |      |       |      |      |      |      |
| STD DS8             | Standard                         |     |     |      |     |      |      |      |       |     |       |     |      |     |     |      |       |      |      |      |      |
| STD DS8             | Standard                         |     |     |      |     |      |      |      |       |     |       |     |      |     |     |      |       |      |      |      |      |



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Part 2

## QUALITY CONTROL REPORT

VAN11004020.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 1DX  | 1DX   | 1DX   | 1DX | 1DX  | 1DX  | 1DX  | 1DX | 1DX |
|---------------------|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-----|------|------|------|-----|-----|
|                     |                                  | Nd   | Sm   | Eu   | Gd   | Tb   | Dy   | Ho   | Er   | Tm   | Yb   | Lu   | Mo   | Cu    | Pb    | Zn  | Ni   | As   | Cd   | Sb  | Bi  |
|                     |                                  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm   | ppm | ppm  | ppm  | ppm  | ppm | ppm |
|                     |                                  | 0.3  | 0.05 | 0.02 | 0.05 | 0.01 | 0.05 | 0.02 | 0.03 | 0.01 | 0.05 | 0.01 | 0.1  | 0.1   | 0.1   | 1   | 0.1  | 0.5  | 0.1  | 0.1 | 0.1 |
| Pulp Duplicates     |                                  |      |      |      |      |      |      |      |      |      |      |      |      |       |       |     |      |      |      |     |     |
| 11-MGB-357          | Soil                             | 25.4 | 4.00 | 0.93 | 3.58 | 0.59 | 2.71 | 0.59 | 1.93 | 0.28 | 1.97 | 0.31 | 8.4  | 28.9  | 130.8 | 305 | 12.8 | 14.3 | 0.9  | 0.7 | 2.6 |
| REP 11-MGB-357      | QC                               |      |      |      |      |      |      |      |      |      |      |      | 8.5  | 29.4  | 139.2 | 311 | 12.9 | 14.2 | 1.1  | 0.7 | 2.4 |
| 11-MGB-355          | Soil                             | 30.0 | 4.61 | 1.01 | 4.06 | 0.64 | 3.20 | 0.72 | 2.25 | 0.30 | 2.03 | 0.30 | 3.6  | 35.5  | 103.9 | 345 | 14.3 | 14.1 | 1.6  | 0.6 | 1.2 |
| REP 11-MGB-355      | QC                               | 27.4 | 4.39 | 0.96 | 3.98 | 0.64 | 3.69 | 0.74 | 2.12 | 0.33 | 2.27 | 0.31 |      |       |       |     |      |      |      |     |     |
| 11-MGB-354          | Soil                             | 24.5 | 4.49 | 0.94 | 3.73 | 0.58 | 3.37 | 0.69 | 2.01 | 0.31 | 2.05 | 0.26 | 5.0  | 22.3  | 123.8 | 353 | 13.9 | 19.3 | 1.2  | 0.7 | 1.1 |
| REP 11-MGB-354      | QC                               | 25.7 | 4.73 | 0.94 | 3.83 | 0.59 | 3.15 | 0.63 | 1.87 | 0.29 | 1.91 | 0.28 |      |       |       |     |      |      |      |     |     |
| 11-MGB-394          | Soil                             | 23.4 | 4.20 | 0.89 | 3.58 | 0.55 | 3.10 | 0.58 | 1.78 | 0.27 | 1.79 | 0.28 | 0.4  | 9.2   | 13.5  | 128 | 16.4 | 12.4 | 0.4  | 0.3 | 0.2 |
| REP 11-MGB-394      | QC                               |      |      |      |      |      |      |      |      |      |      |      | 0.4  | 8.9   | 13.5  | 127 | 16.0 | 12.4 | 0.4  | 0.3 | 0.2 |
| 11-MGB-380          | Soil                             | 31.0 | 5.49 | 1.07 | 4.49 | 0.74 | 4.03 | 0.82 | 2.45 | 0.37 | 2.41 | 0.36 | 0.9  | 9.5   | 22.1  | 108 | 18.2 | 12.3 | 0.4  | 0.4 | 0.3 |
| REP 11-MGB-380      | QC                               |      |      |      |      |      |      |      |      |      |      |      | 0.8  | 9.0   | 21.4  | 104 | 17.5 | 11.6 | 0.4  | 0.5 | 0.3 |
| 11-J2-57            | Soil                             | 33.1 | 6.25 | 1.74 | 5.47 | 0.88 | 4.72 | 0.95 | 2.56 | 0.37 | 2.54 | 0.33 | 0.7  | 45.5  | 18.9  | 112 | 50.5 | 8.2  | 0.3  | 0.4 | 0.1 |
| REP 11-J2-57        | QC                               | 34.8 | 6.04 | 1.74 | 5.61 | 0.86 | 4.49 | 0.91 | 2.32 | 0.36 | 2.53 | 0.34 |      |       |       |     |      |      |      |     |     |
| 11-J2-63            | Soil                             | 34.0 | 6.27 | 1.76 | 5.78 | 0.90 | 5.12 | 0.95 | 2.80 | 0.37 | 2.24 | 0.33 | 0.8  | 60.3  | 34.3  | 120 | 84.6 | 13.9 | 0.3  | 0.5 | 0.1 |
| REP 11-J2-63        | QC                               |      |      |      |      |      |      |      |      |      |      |      | 0.8  | 60.2  | 34.6  | 120 | 83.7 | 13.9 | 0.3  | 0.5 | 0.1 |
| 11-J2-32            | Soil                             | 16.1 | 2.90 | 0.57 | 2.36 | 0.34 | 1.69 | 0.37 | 1.15 | 0.15 | 1.01 | 0.18 | 1.1  | 7.5   | 25.6  | 136 | 8.5  | 4.8  | 0.8  | 0.5 | 0.1 |
| REP 11-J2-32        | QC                               | 15.4 | 2.92 | 0.57 | 2.45 | 0.38 | 1.93 | 0.39 | 1.20 | 0.15 | 1.08 | 0.17 |      |       |       |     |      |      |      |     |     |
| 11-J2-93            | Soil                             | 26.0 | 4.43 | 0.86 | 3.29 | 0.54 | 3.40 | 0.62 | 1.89 | 0.32 | 1.83 | 0.29 | 2.7  | 13.8  | 17.0  | 192 | 22.5 | 10.0 | 3.8  | 0.8 | 0.2 |
| REP 11-J2-93        | QC                               | 26.7 | 4.68 | 0.84 | 3.54 | 0.58 | 3.57 | 0.72 | 2.05 | 0.32 | 2.04 | 0.32 |      |       |       |     |      |      |      |     |     |
| 11-J2-126           | Soil                             | 27.9 | 4.42 | 0.83 | 3.74 | 0.64 | 3.81 | 0.74 | 2.39 | 0.36 | 2.37 | 0.35 | 0.6  | 12.1  | 6.4   | 26  | 9.1  | 3.8  | <0.1 | 0.3 | 0.2 |
| REP 11-J2-126       | QC                               |      |      |      |      |      |      |      |      |      |      |      | 0.6  | 12.2  | 6.9   | 25  | 8.8  | 3.7  | <0.1 | 0.3 | 0.2 |
| 11-J2-90            | Soil                             | 22.6 | 3.97 | 0.75 | 3.33 | 0.52 | 2.96 | 0.61 | 2.11 | 0.31 | 1.91 | 0.29 | 0.7  | 3.9   | 10.7  | 26  | 3.6  | 3.3  | 0.1  | 0.1 | 0.1 |
| REP 11-J2-90        | QC                               | 24.4 | 4.16 | 0.69 | 3.20 | 0.51 | 3.22 | 0.63 | 1.76 | 0.29 | 1.76 | 0.29 |      |       |       |     |      |      |      |     |     |
| Reference Materials |                                  |      |      |      |      |      |      |      |      |      |      |      |      |       |       |     |      |      |      |     |     |
| STD DS8             | Standard                         |      |      |      |      |      |      |      |      |      |      |      | 12.5 | 108.9 | 117.9 | 309 | 39.3 | 24.5 | 2.2  | 4.4 | 5.9 |
| STD DS8             | Standard                         |      |      |      |      |      |      |      |      |      |      |      | 14.1 | 126.5 | 135.2 | 323 | 38.7 | 26.7 | 2.5  | 5.6 | 7.8 |
| STD DS8             | Standard                         |      |      |      |      |      |      |      |      |      |      |      | 13.1 | 122.3 | 125.6 | 307 | 36.4 | 25.2 | 2.3  | 5.6 | 7.1 |
| STD DS8             | Standard                         |      |      |      |      |      |      |      |      |      |      |      | 13.2 | 125.0 | 132.0 | 309 | 37.5 | 25.1 | 2.1  | 5.3 | 7.4 |
| STD DS8             | Standard                         |      |      |      |      |      |      |      |      |      |      |      | 13.7 | 120.9 | 119.7 | 321 | 38.6 | 25.9 | 2.8  | 5.2 | 6.5 |



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**Page:** 1 of 3 **Part** 3

## QUALITY CONTROL REPORT

VAN11004020.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1DX  | 1DX   | 1DX  | 1DX  | 1DX  |
|---------------------|----------------------------------|------|-------|------|------|------|
|                     |                                  | Ag   | Au    | Hg   | Tl   | Se   |
|                     |                                  | ppm  | ppb   | ppm  | ppm  | ppm  |
|                     |                                  | 0.1  | 0.5   | 0.01 | 0.1  | 0.5  |
| Pulp Duplicates     |                                  |      |       |      |      |      |
| 11-MGB-357          | Soil                             | 0.8  | 2.2   | 0.05 | 0.4  | <0.5 |
| REP 11-MGB-357      | QC                               | 0.7  | 2.5   | 0.05 | 0.4  | 0.7  |
| 11-MGB-355          | Soil                             | 0.6  | 4.2   | 0.05 | 0.3  | 0.6  |
| REP 11-MGB-355      | QC                               |      |       |      |      |      |
| 11-MGB-354          | Soil                             | 0.5  | 5.2   | 0.03 | 0.3  | <0.5 |
| REP 11-MGB-354      | QC                               |      |       |      |      |      |
| 11-MGB-394          | Soil                             | 0.1  | 1.6   | 0.04 | 0.4  | <0.5 |
| REP 11-MGB-394      | QC                               | 0.1  | 0.9   | 0.03 | 0.4  | <0.5 |
| 11-MGB-380          | Soil                             | 0.1  | <0.5  | 0.04 | 0.3  | <0.5 |
| REP 11-MGB-380      | QC                               | <0.1 | <0.5  | 0.03 | 0.3  | <0.5 |
| 11-J2-57            | Soil                             | 0.2  | 0.6   | 0.05 | 0.4  | 0.7  |
| REP 11-J2-57        | QC                               |      |       |      |      |      |
| 11-J2-63            | Soil                             | 0.2  | 0.5   | 0.04 | 0.5  | <0.5 |
| REP 11-J2-63        | QC                               | 0.2  | 1.4   | 0.05 | 0.5  | <0.5 |
| 11-J2-32            | Soil                             | 0.1  | <0.5  | 0.06 | <0.1 | <0.5 |
| REP 11-J2-32        | QC                               |      |       |      |      |      |
| 11-J2-93            | Soil                             | <0.1 | 2.2   | 0.02 | 0.2  | 0.6  |
| REP 11-J2-93        | QC                               |      |       |      |      |      |
| 11-J2-126           | Soil                             | <0.1 | 2.2   | 0.01 | <0.1 | <0.5 |
| REP 11-J2-126       | QC                               | <0.1 | 0.8   | 0.02 | <0.1 | <0.5 |
| 11-J2-90            | Soil                             | 0.4  | <0.5  | 0.02 | <0.1 | <0.5 |
| REP 11-J2-90        | QC                               |      |       |      |      |      |
| Reference Materials |                                  |      |       |      |      |      |
| STD DS8             | Standard                         | 1.8  | 125.8 | 0.19 | 5.3  | 5.2  |
| STD DS8             | Standard                         | 1.9  | 96.6  | 0.20 | 5.4  | 4.9  |
| STD DS8             | Standard                         | 1.8  | 88.9  | 0.17 | 5.2  | 5.2  |
| STD DS8             | Standard                         | 1.6  | 100.5 | 0.21 | 5.4  | 4.8  |
| STD DS8             | Standard                         | 1.9  | 142.0 | 0.21 | 5.5  | 5.2  |



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Report Date:

November 10, 2011

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Part 1

## QUALITY CONTROL REPORT

VAN11004020.1

|                        |          | 4B<br>Ba<br>ppm<br>1 | 4B<br>Be<br>ppm<br>1 | 4B<br>Co<br>ppm<br>0.2 | 4B<br>Cs<br>ppm<br>0.1 | 4B<br>Ga<br>ppm<br>0.5 | 4B<br>Hf<br>ppm<br>0.1 | 4B<br>Nb<br>ppm<br>0.1 | 4B<br>Rb<br>ppm<br>0.1 | 4B<br>Sn<br>ppm<br>1 | 4B<br>Sr<br>ppm<br>0.5 | 4B<br>Ta<br>ppm<br>0.1 | 4B<br>Th<br>ppm<br>0.2 | 4B<br>U<br>ppm<br>0.1 | 4B<br>V<br>ppm<br>8 | 4B<br>W<br>ppm<br>0.5 | 4B<br>Zr<br>ppm<br>0.1 | 4B<br>Y<br>ppm<br>0.1 | 4B<br>La<br>ppm<br>0.1 | 4B<br>Ce<br>ppm<br>0.1 | 4B<br>Pr<br>ppm<br>0.02 |
|------------------------|----------|----------------------|----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|----------------------|------------------------|------------------------|------------------------|-----------------------|---------------------|-----------------------|------------------------|-----------------------|------------------------|------------------------|-------------------------|
| STD DS8                | Standard |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD DS8                | Standard |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD OREAS45CA          | Standard |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD OREAS45CA          | Standard |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD OREAS45CA          | Standard |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD OREAS45CA          | Standard |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD OREAS45CA          | Standard |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD OREAS45CA          | Standard |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD OREAS45CA          | Standard |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD SO-18              | Standard | 535                  | 3                    | 27.6                   | 7.1                    | 16.7                   | 9.3                    | 21.2                   | 27.3                   | 15                   | 410.9                  | 7.2                    | 10.1                   | 16.3                  | 201                 | 14.0                  | 286.5                  | 30.3                  | 11.8                   | 27.0                   | 3.29                    |
| STD SO-18              | Standard | 537                  | <1                   | 27.7                   | 7.3                    | 17.8                   | 9.6                    | 20.8                   | 27.8                   | 16                   | 423.3                  | 7.2                    | 10.7                   | 16.1                  | 201                 | 14.3                  | 290.7                  | 31.0                  | 12.0                   | 27.3                   | 3.42                    |
| STD SO-18              | Standard | 509                  | <1                   | 26.3                   | 6.5                    | 16.8                   | 9.0                    | 19.8                   | 26.2                   | 11                   | 392.3                  | 6.9                    | 9.7                    | 15.6                  | 194                 | 12.4                  | 271.6                  | 31.5                  | 11.3                   | 25.5                   | 3.13                    |
| STD SO-18              | Standard | 495                  | 3                    | 26.3                   | 6.6                    | 17.0                   | 9.2                    | 20.4                   | 26.4                   | 12                   | 396.9                  | 7.0                    | 9.8                    | 15.6                  | 189                 | 13.8                  | 276.9                  | 32.1                  | 11.5                   | 25.5                   | 3.11                    |
| STD SO-18              | Standard | 522                  | 2                    | 27.0                   | 7.1                    | 17.0                   | 9.5                    | 19.5                   | 27.3                   | 15                   | 399.7                  | 7.0                    | 10.3                   | 15.5                  | 196                 | 13.6                  | 281.9                  | 30.0                  | 12.0                   | 26.9                   | 3.23                    |
| STD SO-18              | Standard | 497                  | 3                    | 26.9                   | 6.5                    | 17.2                   | 9.2                    | 19.7                   | 26.8                   | 14                   | 403.0                  | 7.0                    | 10.5                   | 16.1                  | 184                 | 13.8                  | 278.6                  | 29.9                  | 11.4                   | 26.5                   | 3.14                    |
| STD SO-18              | Standard | 521                  | <1                   | 27.8                   | 6.9                    | 17.5                   | 10.1                   | 19.9                   | 27.6                   | 14                   | 417.2                  | 7.4                    | 10.2                   | 16.4                  | 175                 | 13.7                  | 281.3                  | 30.1                  | 11.7                   | 25.8                   | 3.25                    |
| STD SO-18              | Standard | 512                  | <1                   | 27.5                   | 6.7                    | 17.6                   | 9.3                    | 19.7                   | 27.4                   | 14                   | 407.6                  | 7.1                    | 10.4                   | 16.5                  | 197                 | 13.4                  | 277.4                  | 29.9                  | 11.4                   | 25.3                   | 3.16                    |
| STD SO-18              | Standard | 547                  | 4                    | 28.8                   | 7.0                    | 18.5                   | 9.4                    | 21.5                   | 28.7                   | 15                   | 428.4                  | 7.3                    | 10.6                   | 16.5                  | 223                 | 14.3                  | 290.4                  | 30.5                  | 12.3                   | 26.8                   | 3.39                    |
| STD SO-18              | Standard | 515                  | 1                    | 27.0                   | 6.6                    | 17.5                   | 9.2                    | 20.0                   | 27.1                   | 14                   | 410.3                  | 7.2                    | 10.1                   | 16.5                  | 204                 | 13.3                  | 282.5                  | 30.7                  | 11.9                   | 26.0                   | 3.22                    |
| STD SO-18              | Standard | 517                  | 2                    | 26.8                   | 6.9                    | 17.5                   | 8.2                    | 20.5                   | 28.0                   | 15                   | 418.8                  | 6.8                    | 9.6                    | 15.1                  | 210                 | 13.5                  | 295.8                  | 31.1                  | 11.9                   | 25.5                   | 3.28                    |
| STD SO-18              | Standard | 514                  | 1                    | 27.0                   | 6.8                    | 17.9                   | 8.9                    | 20.8                   | 27.7                   | 14                   | 417.9                  | 7.0                    | 9.5                    | 14.9                  | 209                 | 13.5                  | 290.9                  | 31.1                  | 11.8                   | 25.3                   | 3.21                    |
| STD DS8 Expected       |          |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD OREAS45CA Expected |          |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD SO-18 Expected     |          | 514                  | 1                    | 26.2                   | 7.1                    | 17.6                   | 9.8                    | 21.3                   | 28.7                   | 15                   | 407.4                  | 7.4                    | 9.9                    | 16.4                  | 200                 | 14.8                  | 280                    | 31                    | 12.3                   | 27.1                   | 3.45                    |
| BLK                    | Blank    |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| BLK                    | Blank    | <1                   | <1                   | <0.2                   | <0.1                   | <0.5                   | <0.1                   | <0.1                   | <0.1                   | <1                   | <0.5                   | <0.1                   | <0.2                   | <0.1                  | <8                  | <0.5                  | <0.1                   | <0.1                  | <0.1                   | <0.1                   | <0.02                   |
| BLK                    | Blank    | <1                   | <1                   | <0.2                   | <0.1                   | <0.5                   | <0.1                   | <0.1                   | <0.1                   | <1                   | <0.5                   | <0.1                   | <0.2                   | <0.1                  | <8                  | <0.5                  | <0.1                   | <0.1                  | <0.1                   | <0.1                   | <0.02                   |
| BLK                    | Blank    | <1                   | <1                   | <0.2                   | <0.1                   | <0.5                   | <0.1                   | <0.1                   | <0.1                   | <1                   | <0.5                   | <0.1                   | <0.2                   | <0.1                  | <8                  | <0.5                  | <0.1                   | <0.1                  | <0.1                   | <0.1                   | <0.02                   |
| BLK                    | Blank    | <1                   | <1                   | <0.2                   | <0.1                   | <0.5                   | <0.1                   | <0.1                   | <0.1                   | <1                   | <0.5                   | <0.1                   | <0.2                   | <0.1                  | <8                  | <0.5                  | <0.1                   | <0.1                  | <0.1                   | <0.1                   | <0.02                   |



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Part 2

## QUALITY CONTROL REPORT

VAN11004020.1

|                        |          | 4B   | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 1DX   | 1DX   | 1DX   | 1DX   | 1DX | 1DX   | 1DX  | 1DX  |
|------------------------|----------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-------|------|------|
|                        |          | Nd   | Sm    | Eu    | Gd    | Tb    | Dy    | Ho    | Er    | Tm    | Yb    | Lu    | Mo    | Cu    | Pb    | Zn  | Ni    | As   | Cd   |
|                        |          | ppm  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm | ppm   | ppm  | ppm  |
|                        |          | 0.3  | 0.05  | 0.02  | 0.05  | 0.01  | 0.05  | 0.02  | 0.03  | 0.01  | 0.05  | 0.01  | 0.1   | 0.1   | 0.1   | 1   | 0.1   | 0.5  | 0.1  |
| STD DS8                | Standard |      |       |       |       |       |       |       |       |       |       |       | 13.2  | 115.5 | 118.9 | 316 | 40.9  | 24.8 | 2.5  |
| STD DS8                | Standard |      |       |       |       |       |       |       |       |       |       |       | 13.8  | 108.9 | 129.3 | 301 | 37.0  | 23.7 | 2.4  |
| STD OREAS45CA          | Standard |      |       |       |       |       |       |       |       |       |       |       | 0.9   | 484.7 | 18.8  | 59  | 233.8 | 4.4  | <0.1 |
| STD OREAS45CA          | Standard |      |       |       |       |       |       |       |       |       |       |       | 1.1   | 494.6 | 22.9  | 70  | 249.7 | 4.0  | <0.1 |
| STD OREAS45CA          | Standard |      |       |       |       |       |       |       |       |       |       |       | 0.9   | 476.2 | 21.8  | 63  | 238.3 | 4.0  | 0.1  |
| STD OREAS45CA          | Standard |      |       |       |       |       |       |       |       |       |       |       | 0.8   | 511.2 | 23.7  | 67  | 254.3 | 4.0  | <0.1 |
| STD OREAS45CA          | Standard |      |       |       |       |       |       |       |       |       |       |       | 0.9   | 487.1 | 18.8  | 61  | 235.2 | 4.0  | 0.1  |
| STD OREAS45CA          | Standard |      |       |       |       |       |       |       |       |       |       |       | 0.9   | 530.1 | 21.9  | 66  | 268.3 | 3.9  | <0.1 |
| STD OREAS45CA          | Standard |      |       |       |       |       |       |       |       |       |       |       | 1.1   | 487.7 | 20.5  | 62  | 231.9 | 4.0  | 0.1  |
| STD SO-18              | Standard | 13.1 | 2.83  | 0.85  | 2.84  | 0.50  | 3.10  | 0.62  | 1.87  | 0.27  | 1.93  | 0.27  |       |       |       |     |       |      |      |
| STD SO-18              | Standard | 12.8 | 2.89  | 0.90  | 2.81  | 0.49  | 3.19  | 0.63  | 1.86  | 0.29  | 1.82  | 0.26  |       |       |       |     |       |      |      |
| STD SO-18              | Standard | 13.5 | 2.83  | 0.85  | 2.75  | 0.49  | 2.91  | 0.57  | 1.63  | 0.24  | 1.68  | 0.25  |       |       |       |     |       |      |      |
| STD SO-18              | Standard | 14.7 | 2.74  | 0.87  | 2.88  | 0.48  | 2.69  | 0.57  | 1.79  | 0.27  | 1.62  | 0.26  |       |       |       |     |       |      |      |
| STD SO-18              | Standard | 12.9 | 2.90  | 0.85  | 2.97  | 0.47  | 2.91  | 0.64  | 1.76  | 0.28  | 1.77  | 0.29  |       |       |       |     |       |      |      |
| STD SO-18              | Standard | 11.0 | 2.90  | 0.84  | 2.81  | 0.47  | 2.94  | 0.58  | 1.84  | 0.27  | 1.61  | 0.26  |       |       |       |     |       |      |      |
| STD SO-18              | Standard | 13.6 | 2.98  | 0.87  | 2.95  | 0.48  | 2.87  | 0.60  | 1.73  | 0.27  | 1.75  | 0.27  |       |       |       |     |       |      |      |
| STD SO-18              | Standard | 12.2 | 2.83  | 0.80  | 2.71  | 0.48  | 2.93  | 0.60  | 1.74  | 0.27  | 1.75  | 0.26  |       |       |       |     |       |      |      |
| STD SO-18              | Standard | 14.1 | 3.15  | 0.89  | 3.01  | 0.50  | 3.01  | 0.66  | 1.80  | 0.28  | 1.96  | 0.29  |       |       |       |     |       |      |      |
| STD SO-18              | Standard | 14.0 | 2.91  | 0.87  | 2.74  | 0.48  | 2.86  | 0.60  | 1.71  | 0.28  | 1.81  | 0.27  |       |       |       |     |       |      |      |
| STD SO-18              | Standard | 13.1 | 2.91  | 0.85  | 2.80  | 0.48  | 2.89  | 0.57  | 1.74  | 0.27  | 1.80  | 0.25  |       |       |       |     |       |      |      |
| STD SO-18              | Standard | 12.8 | 2.71  | 0.81  | 2.86  | 0.47  | 2.81  | 0.56  | 1.79  | 0.26  | 1.84  | 0.26  |       |       |       |     |       |      |      |
| STD DS8 Expected       |          |      |       |       |       |       |       |       |       |       |       |       | 13.44 | 110   | 123   | 312 | 38.1  | 26   | 2.38 |
| STD OREAS45CA Expected |          |      |       |       |       |       |       |       |       |       |       |       | 1     | 494   | 20    | 60  | 240   | 3.8  | 0.1  |
| STD SO-18 Expected     |          | 14   | 3     | 0.89  | 2.93  | 0.53  | 3     | 0.62  | 1.84  | 0.27  | 1.79  | 0.27  |       |       |       |     |       |      |      |
| BLK                    | Blank    |      |       |       |       |       |       |       |       |       |       |       | <0.1  | <0.1  | <0.1  | <1  | <0.1  | <0.5 | <0.1 |
| BLK                    | Blank    | <0.3 | <0.05 | <0.02 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 |       |       |       |     |       |      |      |
| BLK                    | Blank    | <0.3 | <0.05 | <0.02 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 |       |       |       |     |       |      |      |
| BLK                    | Blank    | <0.3 | <0.05 | <0.02 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 |       |       |       |     |       |      |      |
| BLK                    | Blank    | <0.3 | <0.05 | <0.02 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 |       |       |       |     |       |      |      |



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## QUALITY CONTROL REPORT

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|                        |          | 1DX<br>Ag<br>ppm<br>0.1 | 1DX<br>Au<br>ppb<br>0.5 | 1DX<br>Hg<br>ppm<br>0.01 | 1DX<br>Tl<br>ppm<br>0.1 | 1DX<br>Se<br>ppm<br>0.5 |
|------------------------|----------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|
| STD DS8                | Standard | 1.8                     | 101.3                   | 0.21                     | 5.6                     | 5.3                     |
| STD DS8                | Standard | 1.7                     | 118.2                   | 0.20                     | 5.4                     | 4.8                     |
| STD OREAS45CA          | Standard | 0.3                     | 52.7                    | 0.03                     | 0.1                     | <0.5                    |
| STD OREAS45CA          | Standard | 0.3                     | 44.0                    | 0.04                     | <0.1                    | 0.6                     |
| STD OREAS45CA          | Standard | 0.2                     | 42.4                    | 0.03                     | <0.1                    | 0.9                     |
| STD OREAS45CA          | Standard | 0.3                     | 46.2                    | 0.04                     | <0.1                    | 0.9                     |
| STD OREAS45CA          | Standard | 0.3                     | 42.0                    | 0.03                     | <0.1                    | 1.1                     |
| STD OREAS45CA          | Standard | 0.3                     | 44.8                    | 0.03                     | <0.1                    | 0.7                     |
| STD OREAS45CA          | Standard | 0.3                     | 40.9                    | 0.02                     | <0.1                    | <0.5                    |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD DS8 Expected       |          | 1.69                    | 107                     | 0.192                    | 5.4                     | 5.23                    |
| STD OREAS45CA Expected |          | 0.275                   | 43                      | 0.03                     | 0.07                    | 0.5                     |
| STD SO-18 Expected     |          |                         |                         |                          |                         |                         |
| BLK                    | Blank    | <0.1                    | 3.5                     | <0.01                    | <0.1                    | <0.5                    |
| BLK                    | Blank    |                         |                         |                          |                         |                         |
| BLK                    | Blank    |                         |                         |                          |                         |                         |
| BLK                    | Blank    |                         |                         |                          |                         |                         |
| BLK                    | Blank    |                         |                         |                          |                         |                         |



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Project: TING 2A

Report Date: November 10, 2011

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## QUALITY CONTROL REPORT

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|     |       | 4B<br>Ba<br>ppm<br>1 | 4B<br>Be<br>ppm<br>1 | 4B<br>Co<br>ppm<br>0.2 | 4B<br>Cs<br>ppm<br>0.1 | 4B<br>Ga<br>ppm<br>0.5 | 4B<br>Hf<br>ppm<br>0.1 | 4B<br>Nb<br>ppm<br>0.1 | 4B<br>Rb<br>ppm<br>0.1 | 4B<br>Sn<br>ppm<br>1 | 4B<br>Sr<br>ppm<br>0.5 | 4B<br>Ta<br>ppm<br>0.1 | 4B<br>Th<br>ppm<br>0.2 | 4B<br>U<br>ppm<br>0.1 | 4B<br>V<br>ppm<br>8 | 4B<br>W<br>ppm<br>0.5 | 4B<br>Zr<br>ppm<br>0.1 | 4B<br>Y<br>ppm<br>0.1 | 4B<br>La<br>ppm<br>0.1 | 4B<br>Ce<br>ppm<br>0.1 | 4B<br>Pr<br>ppm<br>0.02 |
|-----|-------|----------------------|----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|----------------------|------------------------|------------------------|------------------------|-----------------------|---------------------|-----------------------|------------------------|-----------------------|------------------------|------------------------|-------------------------|
| BLK | Blank | <1                   | <1                   | <0.2                   | <0.1                   | <0.5                   | <0.1                   | <0.1                   | <0.1                   | <1                   | <0.5                   | <0.1                   | <0.2                   | <0.1                  | <8                  | <0.5                  | 0.7                    | <0.1                  | <0.1                   | <0.1                   | <0.02                   |
| BLK | Blank |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| BLK | Blank |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| BLK | Blank |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| BLK | Blank |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| BLK | Blank |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| BLK | Blank |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| BLK | Blank | <1                   | <1                   | <0.2                   | <0.1                   | <0.5                   | <0.1                   | <0.1                   | <0.1                   | <1                   | <0.5                   | <0.1                   | <0.2                   | <0.1                  | <8                  | <0.5                  | <0.1                   | <0.1                  | <0.1                   | <0.1                   | <0.02                   |



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537 Kenneth Street

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**Project:** TING 2A

**Report Date:** November 10, 2011

**Page:** 3 of 3 **Part** 2

## QUALITY CONTROL REPORT

VAN11004020.1

|     |       | 4B<br>Nd<br>ppm<br>0.3 | 4B<br>Sm<br>ppm<br>0.05 | 4B<br>Eu<br>ppm<br>0.02 | 4B<br>Gd<br>ppm<br>0.05 | 4B<br>Tb<br>ppm<br>0.01 | 4B<br>Dy<br>ppm<br>0.05 | 4B<br>Ho<br>ppm<br>0.02 | 4B<br>Er<br>ppm<br>0.03 | 4B<br>Tm<br>ppm<br>0.01 | 4B<br>Yb<br>ppm<br>0.05 | 4B<br>Lu<br>ppm<br>0.01 | 1DX<br>Mo<br>ppm<br>0.1 | 1DX<br>Cu<br>ppm<br>0.1 | 1DX<br>Pb<br>ppm<br>0.1 | 1DX<br>Zn<br>ppm<br>1 | 1DX<br>Ni<br>ppm<br>0.1 | 1DX<br>As<br>ppm<br>0.5 | 1DX<br>Cd<br>ppm<br>0.1 | 1DX<br>Sb<br>ppm<br>0.1 | 1DX<br>Bi<br>ppm<br>0.1 |
|-----|-------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| BLK | Blank | <0.3                   | <0.05                   | <0.02                   | <0.05                   | <0.01                   | <0.05                   | <0.02                   | <0.03                   | <0.01                   | <0.05                   | <0.01                   |                         |                         |                         |                       |                         |                         |                         |                         |                         |
| BLK | Blank |                        |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         | <0.1                    | <0.1                    | <0.1                    | <1                    | <0.1                    | <0.5                    | <0.1                    | <0.1                    | <0.1                    |
| BLK | Blank |                        |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         | <0.1                    | <0.1                    | <0.1                    | <1                    | <0.1                    | <0.5                    | <0.1                    | <0.1                    | <0.1                    |
| BLK | Blank |                        |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         | <0.1                    | <0.1                    | <0.1                    | <1                    | <0.1                    | <0.5                    | <0.1                    | <0.1                    | <0.1                    |
| BLK | Blank |                        |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         | <0.1                    | <0.1                    | <0.1                    | <1                    | <0.1                    | <0.5                    | <0.1                    | <0.1                    | <0.1                    |
| BLK | Blank |                        |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         | <0.1                    | <0.1                    | <0.1                    | <1                    | <0.1                    | <0.5                    | <0.1                    | <0.1                    | <0.1                    |
| BLK | Blank |                        |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         | <0.1                    | <0.1                    | <0.1                    | <1                    | <0.1                    | <0.5                    | <0.1                    | <0.1                    | <0.1                    |
| BLK | Blank | <0.3                   | <0.05                   | <0.02                   | <0.05                   | <0.01                   | <0.05                   | <0.02                   | <0.03                   | <0.01                   | <0.05                   | <0.01                   |                         |                         |                         |                       |                         |                         |                         |                         |                         |



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**Project:** TING 2A

**Report Date:** November 10, 2011

**Page:** 3 of 3 **Part** 3

## QUALITY CONTROL REPORT

VAN11004020.1

|     |       | 1DX<br>Ag<br>ppm<br>0.1 | 1DX<br>Au<br>ppb<br>0.5 | 1DX<br>Hg<br>ppm<br>0.01 | 1DX<br>Tl<br>ppm<br>0.1 | 1DX<br>Se<br>ppm<br>0.5 |
|-----|-------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|
| BLK | Blank |                         |                         |                          |                         |                         |
| BLK | Blank | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| BLK | Blank | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| BLK | Blank | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| BLK | Blank | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| BLK | Blank | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| BLK | Blank | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| BLK | Blank |                         |                         |                          |                         |                         |



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**Client:** Mackevoy Geosciences

537 Kenneth Street  
Victoria BC V8Z 2B6 Canada

Submitted By: Allison Brand

Receiving Lab: Canada-Vancouver

Received: August 26, 2011

Report Date: November 23, 2011

Page: 1 of 4

## CERTIFICATE OF ANALYSIS

VAN11004232.1

### CLIENT JOB INFORMATION

Project: TING 2B  
Shipment ID: 51738171295  
P.O. Number  
Number of Samples: 80

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                                  | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|---------------------------------------------------|--------------|---------------|-----|
| R200-250    | 80                | Crush, split and pulverize 250 g rock to 200 mesh |              |               | VAN |
| 4B02        | 80                | LiBO2/Li2B4O7 fusion ICP-MS analysis              | 0.2          | Completed     | VAN |

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
STOR-RJT Store After 90 days Invoice for Storage

### 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: Harsbo Minerals Ltd.  
4758 Victory Street  
Burnaby BC V5J 1S2  
Canada

CC: Lee A. Groat  
Michael Burns  
Thomas Hasek  
David Turner



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



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537 Kenneth Street  
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Project: TING 2B

Report Date: November 23, 2011

Page: 2 of 4 Part 1

## CERTIFICATE OF ANALYSIS

VAN11004232.1

|             | Method<br>Analyte<br>Unit<br>MDL | WGHT | 4B    | 4B  | 4B   | 4B   | 4B  | 4B   | 4B   | 4B   | 4B  | 4B    | 4B   | 4B  | 4B   | 4B  | 4B   | 4B    | 4B   | 4B   | 4B   |
|-------------|----------------------------------|------|-------|-----|------|------|-----|------|------|------|-----|-------|------|-----|------|-----|------|-------|------|------|------|
|             |                                  | Wgt  | Ba    | Be  | Co   | Cs   | Ga  | Hf   | Nb   | Rb   | Sn  | Sr    | Ta   | Th  | U    | V   | W    | Zr    | Y    | La   | Ce   |
|             |                                  | kg   | ppm   | ppm | ppm  | ppm  | ppm | ppm  | ppm  | ppm  | ppm | ppm   | ppm  | ppm | ppm  | ppm | ppm  | ppm   | ppm  | ppm  | ppm  |
|             |                                  | 0.01 | 1     | 1   | 0.2  | 0.1  | 0.5 | 0.1  | 0.1  | 0.1  | 1   | 0.5   | 0.1  | 0.2 | 0.1  | 8   | 0.5  | 0.1   | 0.1  | 0.1  | 0.1  |
| 11-BCQ-0279 | Rock                             | 2.10 | 56    | <1  | 0.5  | 0.2  | 1.4 | 4.4  | 2.3  | 3.2  | 4   | 13.1  | 0.2  | 1.6 | 0.7  | 26  | <0.5 | 182.4 | 6.4  | 5.1  | 9.4  |
| 11-BCQ-0277 | Rock                             | 1.46 | 31    | <1  | 0.5  | <0.1 | 0.9 | 18.7 | 3.6  | 0.9  | <1  | 12.8  | 0.3  | 3.6 | 1.6  | 8   | <0.5 | 722.9 | 8.8  | 7.8  | 16.0 |
| 11-BCQ-0281 | Rock                             | 2.02 | 32    | <1  | 0.5  | <0.1 | 1.4 | 7.2  | 2.1  | 0.5  | <1  | 8.7   | 0.2  | 1.6 | 0.7  | 12  | <0.5 | 283.2 | 5.1  | 4.6  | 9.0  |
| 11-BCQ-0283 | Rock                             | 1.78 | 18    | <1  | 0.6  | <0.1 | 0.9 | 6.3  | 2.5  | 0.5  | <1  | 5.6   | 0.1  | 1.5 | 0.6  | <8  | <0.5 | 252.5 | 4.2  | 5.0  | 9.9  |
| 11-BCQ-0278 | Rock                             | 1.84 | 11    | <1  | 0.5  | <0.1 | 1.3 | 10.5 | 3.4  | 0.2  | <1  | 6.7   | 0.2  | 2.5 | 1.0  | 9   | <0.5 | 408.7 | 8.2  | 7.6  | 15.1 |
| 11-BCQ-0285 | Rock                             | 1.99 | 27    | <1  | 0.2  | <0.1 | 0.7 | 7.5  | 1.7  | 0.4  | <1  | 4.3   | 0.1  | 1.5 | 0.6  | <8  | <0.5 | 306.9 | 4.4  | 4.8  | 9.2  |
| 11-BCQ-0280 | Rock                             | 1.48 | 14    | <1  | 0.6  | <0.1 | 1.4 | 2.8  | 1.7  | 0.9  | <1  | 5.3   | 0.1  | 1.1 | 0.6  | 10  | <0.5 | 122.7 | 7.1  | 4.2  | 8.3  |
| 11-BCQ-0282 | Rock                             | 1.93 | 22    | <1  | 0.5  | <0.1 | 1.2 | 4.5  | 1.5  | 1.0  | <1  | 9.5   | 0.1  | 1.3 | 0.6  | 12  | <0.5 | 169.6 | 3.5  | 4.1  | 8.4  |
| 11-J2-220   | Rock                             | 1.71 | 54    | <1  | 0.2  | 0.2  | 1.9 | 2.8  | 1.6  | 2.5  | <1  | 25.8  | <0.1 | 1.0 | 0.4  | 20  | <0.5 | 116.4 | 3.7  | 3.5  | 6.6  |
| 11-J2-219   | Rock                             | 4.67 | 91    | 2   | 2.6  | 0.2  | 1.1 | 6.8  | 2.1  | 2.6  | <1  | 31.6  | 0.2  | 1.8 | 0.7  | 12  | <0.5 | 286.3 | 11.3 | 5.6  | 11.4 |
| 11-J2-211   | Rock                             | 0.81 | 32    | <1  | 0.4  | <0.1 | 1.1 | 8.3  | 1.9  | 1.3  | <1  | 18.8  | 0.2  | 1.8 | 0.8  | <8  | <0.5 | 331.5 | 5.3  | 5.9  | 11.7 |
| 11-J2-215   | Rock                             | 1.22 | 78    | <1  | 1.8  | <0.1 | 1.2 | 13.6 | 2.8  | 2.3  | <1  | 27.3  | 0.2  | 2.8 | 1.1  | <8  | <0.5 | 536.5 | 11.2 | 6.4  | 13.3 |
| 11-J2-212   | Rock                             | 1.71 | 93    | <1  | 2.0  | 0.3  | 1.6 | 4.4  | 2.0  | 3.1  | <1  | 19.4  | 0.1  | 1.6 | 0.6  | 11  | <0.5 | 177.1 | 9.4  | 4.5  | 9.4  |
| 11-J2-221   | Rock                             | 0.95 | 83    | <1  | 1.1  | 0.4  | 1.5 | 8.5  | 2.5  | 3.8  | <1  | 31.6  | 0.2  | 2.2 | 0.9  | <8  | <0.5 | 330.9 | 8.3  | 6.7  | 13.8 |
| 11-J2-222   | Rock                             | 1.12 | 37    | <1  | 1.9  | <0.1 | 1.1 | 8.5  | 2.0  | 1.5  | <1  | 12.2  | 0.2  | 1.5 | 0.7  | <8  | <0.5 | 339.4 | 12.6 | 5.1  | 9.9  |
| 11-AAB-0429 | Rock                             | 1.01 | 3081  | <1  | 0.7  | 1.4  | 4.1 | 9.9  | 4.6  | 28.5 | <1  | 45.9  | 0.4  | 4.6 | 12.2 | 45  | <0.5 | 399.2 | 23.3 | 19.2 | 25.0 |
| 11-AAB-0434 | Rock                             | 2.57 | 37    | <1  | 0.5  | 0.2  | 1.8 | 2.6  | 0.9  | 4.7  | <1  | 39.8  | <0.1 | 1.2 | 1.0  | 16  | <0.5 | 89.5  | 4.2  | 5.0  | 8.1  |
| 11-AAB-0430 | Rock                             | 0.57 | 137   | <1  | 2.0  | 1.2  | 4.4 | 7.3  | 6.2  | 28.4 | <1  | 62.4  | 0.4  | 5.7 | 4.0  | 40  | 0.5  | 281.1 | 26.9 | 23.7 | 33.7 |
| 11-AAB-0432 | Rock                             | 1.26 | 64    | <1  | 0.7  | 0.4  | 2.0 | 3.3  | 2.9  | 8.4  | <1  | 139.7 | 0.2  | 3.0 | 2.0  | 25  | <0.5 | 130.1 | 15.9 | 12.4 | 16.8 |
| 11-BCQ-275  | Rock                             | 1.05 | 25    | <1  | 1.2  | 0.9  | 2.5 | 0.5  | 3.2  | 15.6 | <1  | 318.5 | 0.2  | 1.5 | 0.6  | 11  | <0.5 | 19.5  | 2.7  | 5.0  | 9.0  |
| 11-J2-205   | Rock                             | 1.77 | 16    | <1  | 0.7  | 0.3  | 1.6 | 0.3  | 3.2  | 7.6  | <1  | 36.9  | 0.2  | 0.9 | 0.5  | <8  | <0.5 | 14.6  | 2.3  | 5.2  | 9.0  |
| 11-J2-207   | Rock                             | 1.72 | 43    | <1  | 0.3  | 0.7  | 2.2 | 0.4  | 3.8  | 13.1 | <1  | 51.5  | 0.2  | 1.4 | 0.5  | <8  | <0.5 | 17.8  | 3.8  | 8.8  | 17.4 |
| 11-J2-201   | Rock                             | 1.21 | 23    | <1  | 1.1  | 0.8  | 2.3 | 0.7  | 7.7  | 12.2 | <1  | 32.2  | 0.3  | 2.0 | 1.1  | 10  | <0.5 | 30.9  | 3.5  | 6.6  | 12.2 |
| 11-J2-199   | Rock                             | 1.40 | 1127  | <1  | 1.0  | 0.5  | 3.8 | 1.7  | 7.8  | 21.4 | <1  | 33.9  | 0.5  | 2.5 | 0.4  | 30  | <0.5 | 82.7  | 12.6 | 13.5 | 30.6 |
| 11-J2-202   | Rock                             | 1.26 | 79    | <1  | 0.6  | 0.2  | 1.2 | 0.6  | 2.2  | 6.6  | <1  | 42.5  | 0.1  | 1.0 | 0.2  | <8  | <0.5 | 23.1  | 4.8  | 4.1  | 10.0 |
| 11-WJH-052  | Rock                             | 0.83 | 131   | <1  | 0.7  | 0.3  | 1.4 | 0.7  | 2.7  | 7.4  | <1  | 44.0  | 0.2  | 0.9 | 0.3  | 22  | <0.5 | 32.8  | 10.9 | 7.3  | 18.3 |
| 11-WJH-046  | Rock                             | 1.57 | 85    | <1  | 0.3  | 0.4  | 2.0 | 1.1  | 3.1  | 8.8  | <1  | 35.0  | 0.2  | 1.3 | 0.3  | 15  | <0.5 | 43.2  | 10.6 | 8.7  | 19.9 |
| 11-WJH-066  | Rock                             | 1.05 | 283   | 1   | 12.0 | 0.8  | 4.2 | 10.0 | 14.0 | 22.7 | <1  | 5.1   | 0.9  | 7.1 | 3.5  | 87  | 1.0  | 388.6 | 20.8 | 26.9 | 58.5 |
| 11-WJH-059  | Rock                             | 1.34 | 27989 | 2   | 9.6  | 0.8  | 6.2 | 5.3  | 7.2  | 44.0 | <1  | 41.6  | 0.7  | 6.4 | 7.3  | 149 | 1.1  | 190.8 | 30.1 | 21.5 | 36.7 |
| 11-WJH-048  | Rock                             | 2.19 | 176   | <1  | 0.3  | 0.4  | 1.4 | 0.9  | 3.2  | 9.0  | <1  | 33.0  | 0.2  | 1.2 | 0.3  | 12  | <0.5 | 34.9  | 12.3 | 6.1  | 15.8 |



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Project: TING 2B

Report Date: November 23, 2011

Page: 2 of 4 Part 2

## CERTIFICATE OF ANALYSIS

VAN11004232.1

|             | Method<br>Analyte<br>Unit<br>MDL | 4B          | 4B         | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 1DX        | 1DX        | 1DX        | 1DX      | 1DX        | 1DX        | 1DX        | 1DX        |
|-------------|----------------------------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|------------|----------|------------|------------|------------|------------|
|             |                                  | Pr          | Nd         | Sm          | Eu          | Gd          | Tb          | Dy          | Ho          | Er          | Tm          | Yb          | Lu          | Mo         | Cu         | Pb         | Zn       | Ni         | As         | Cd         | Sb         |
|             |                                  | ppm<br>0.02 | ppm<br>0.3 | ppm<br>0.05 | ppm<br>0.02 | ppm<br>0.05 | ppm<br>0.01 | ppm<br>0.05 | ppm<br>0.02 | ppm<br>0.03 | ppm<br>0.01 | ppm<br>0.05 | ppm<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.1 | ppm<br>0.1 |
| 11-BCQ-0279 | Rock                             | 1.09        | 3.8        | 0.72        | 0.14        | 0.79        | 0.18        | 1.02        | 0.21        | 0.67        | 0.09        | 0.65        | 0.10        | 0.5        | 4.3        | 1.8        | 2        | 2.1        | 6.4        | <0.1       | <0.1       |
| 11-BCQ-0277 | Rock                             | 1.75        | 6.4        | 1.11        | 0.17        | 0.95        | 0.19        | 1.28        | 0.30        | 0.92        | 0.19        | 1.41        | 0.21        | 0.2        | 1.1        | 1.0        | 2        | 1.2        | <0.5       | <0.1       | <0.1       |
| 11-BCQ-0281 | Rock                             | 1.14        | 3.9        | 0.73        | 0.12        | 0.63        | 0.13        | 0.80        | 0.20        | 0.59        | 0.08        | 0.72        | 0.12        | 0.2        | 2.5        | 1.6        | 4        | 3.0        | 0.8        | <0.1       | <0.1       |
| 11-BCQ-0283 | Rock                             | 1.15        | 3.9        | 0.63        | 0.12        | 0.53        | 0.10        | 0.69        | 0.15        | 0.44        | 0.08        | 0.58        | 0.09        | 0.2        | 1.2        | 0.9        | 6        | 3.1        | 0.9        | <0.1       | <0.1       |
| 11-BCQ-0278 | Rock                             | 1.87        | 7.7        | 1.14        | 0.15        | 0.87        | 0.18        | 1.14        | 0.26        | 0.79        | 0.14        | 1.05        | 0.17        | 0.3        | 2.5        | 1.0        | 2        | 1.7        | 0.7        | <0.1       | <0.1       |
| 11-BCQ-0285 | Rock                             | 1.04        | 3.7        | 0.70        | 0.08        | 0.55        | 0.11        | 0.64        | 0.16        | 0.46        | 0.09        | 0.58        | 0.10        | 0.2        | 1.4        | 2.0        | 4        | 1.2        | 1.2        | <0.1       | <0.1       |
| 11-BCQ-0280 | Rock                             | 1.03        | 3.3        | 0.59        | 0.12        | 0.65        | 0.18        | 1.18        | 0.24        | 0.67        | 0.09        | 0.74        | 0.10        | 0.3        | 8.0        | 0.9        | 2        | 1.2        | 1.8        | <0.1       | <0.1       |
| 11-BCQ-0282 | Rock                             | 0.99        | 3.5        | 0.58        | 0.11        | 0.44        | 0.08        | 0.59        | 0.13        | 0.39        | 0.06        | 0.52        | 0.08        | 0.3        | 16.1       | 0.9        | 3        | 1.7        | 0.7        | <0.1       | <0.1       |
| 11-J2-220   | Rock                             | 0.77        | 3.0        | 0.54        | 0.10        | 0.41        | 0.09        | 0.56        | 0.16        | 0.36        | 0.07        | 0.43        | 0.07        | 0.7        | 3.2        | 0.9        | 2        | 2.3        | 8.0        | <0.1       | 0.3        |
| 11-J2-219   | Rock                             | 1.29        | 4.8        | 0.94        | 0.18        | 1.09        | 0.20        | 1.44        | 0.30        | 0.87        | 0.15        | 1.13        | 0.18        | 0.2        | 1.5        | 1.0        | 46       | 13.0       | 1.4        | <0.1       | <0.1       |
| 11-J2-211   | Rock                             | 1.32        | 5.3        | 0.94        | 0.12        | 0.74        | 0.15        | 0.80        | 0.22        | 0.54        | 0.10        | 0.76        | 0.12        | 0.2        | 2.0        | 0.7        | 2        | 1.7        | 0.8        | <0.1       | <0.1       |
| 11-J2-215   | Rock                             | 1.52        | 6.0        | 1.09        | 0.21        | 1.28        | 0.26        | 1.54        | 0.38        | 1.12        | 0.17        | 1.12        | 0.20        | 0.1        | 1.7        | 0.5        | 12       | 5.2        | 0.8        | <0.1       | <0.1       |
| 11-J2-212   | Rock                             | 1.06        | 3.7        | 0.79        | 0.16        | 0.88        | 0.24        | 1.53        | 0.29        | 0.84        | 0.12        | 0.85        | 0.14        | 0.2        | 2.9        | 0.9        | 32       | 8.7        | 2.3        | 0.2        | <0.1       |
| 11-J2-221   | Rock                             | 1.64        | 6.1        | 1.12        | 0.23        | 1.16        | 0.18        | 1.04        | 0.25        | 0.66        | 0.11        | 0.85        | 0.14        | 0.2        | 2.0        | 1.1        | 8        | 9.1        | 1.6        | <0.1       | <0.1       |
| 11-J2-222   | Rock                             | 1.14        | 4.7        | 0.89        | 0.15        | 0.94        | 0.16        | 1.04        | 0.27        | 0.81        | 0.12        | 0.77        | 0.16        | <0.1       | 0.7        | 0.6        | 17       | 5.1        | <0.5       | <0.1       | <0.1       |
| 11-AAB-0429 | Rock                             | 5.01        | 21.5       | 4.79        | 0.76        | 4.15        | 0.65        | 3.77        | 0.74        | 2.12        | 0.33        | 2.26        | 0.34        | 16.1       | 4.2        | 5.1        | 29       | 8.9        | 11.8       | 0.2        | 0.4        |
| 11-AAB-0434 | Rock                             | 1.15        | 4.7        | 1.01        | 0.22        | 0.89        | 0.14        | 0.84        | 0.16        | 0.41        | 0.05        | 0.32        | 0.05        | 1.0        | 1.4        | 3.1        | 7        | 5.3        | 5.0        | <0.1       | <0.1       |
| 11-AAB-0430 | Rock                             | 5.61        | 24.0       | 4.34        | 0.90        | 3.99        | 0.68        | 3.69        | 0.89        | 2.39        | 0.37        | 2.27        | 0.37        | 1.2        | 7.5        | 4.7        | 49       | 17.0       | 2.9        | 0.4        | 0.2        |
| 11-AAB-0432 | Rock                             | 2.87        | 11.2       | 2.29        | 0.53        | 2.34        | 0.38        | 2.47        | 0.48        | 1.43        | 0.21        | 1.41        | 0.22        | 0.2        | 1.9        | 3.7        | 27       | 3.0        | 2.3        | 0.2        | 0.2        |
| 11-BCQ-275  | Rock                             | 1.00        | 3.5        | 0.62        | 0.14        | 0.45        | 0.08        | 0.55        | 0.10        | 0.23        | 0.04        | 0.41        | 0.04        | 0.2        | 4.5        | 6.9        | 3        | 2.3        | 1.1        | <0.1       | <0.1       |
| 11-J2-205   | Rock                             | 1.00        | 3.6        | 0.60        | 0.14        | 0.46        | 0.08        | 0.41        | 0.10        | 0.20        | 0.03        | 0.23        | 0.03        | 0.3        | 1.8        | 7.3        | 3        | 2.0        | <0.5       | <0.1       | <0.1       |
| 11-J2-207   | Rock                             | 1.89        | 6.6        | 0.95        | 0.21        | 0.71        | 0.11        | 0.65        | 0.12        | 0.33        | 0.05        | 0.30        | 0.05        | <0.1       | 0.9        | 2.8        | 3        | 1.3        | <0.5       | <0.1       | <0.1       |
| 11-J2-201   | Rock                             | 1.32        | 4.8        | 0.72        | 0.16        | 0.63        | 0.10        | 0.66        | 0.11        | 0.41        | 0.05        | 0.36        | 0.05        | 0.1        | 3.4        | 12.0       | 27       | 3.4        | 1.8        | <0.1       | <0.1       |
| 11-J2-199   | Rock                             | 3.36        | 14.3       | 2.93        | 0.92        | 3.10        | 0.47        | 2.52        | 0.50        | 1.32        | 0.20        | 1.25        | 0.17        | 0.1        | 1.4        | 0.5        | 5        | 2.8        | 1.5        | 0.1        | <0.1       |
| 11-J2-202   | Rock                             | 1.14        | 4.8        | 1.08        | 0.28        | 0.89        | 0.15        | 0.94        | 0.16        | 0.44        | 0.07        | 0.44        | 0.07        | <0.1       | 0.8        | 2.6        | 13       | 1.6        | 1.2        | <0.1       | <0.1       |
| 11-WJH-052  | Rock                             | 2.15        | 8.9        | 2.05        | 0.66        | 2.18        | 0.34        | 1.82        | 0.36        | 1.05        | 0.13        | 0.86        | 0.12        | 0.1        | 0.6        | 0.4        | 6        | 1.1        | 1.5        | 0.2        | <0.1       |
| 11-WJH-046  | Rock                             | 2.23        | 9.6        | 1.96        | 0.59        | 2.03        | 0.32        | 1.91        | 0.34        | 0.99        | 0.14        | 0.75        | 0.12        | 0.1        | 1.1        | 0.6        | 3        | 1.0        | 0.9        | <0.1       | <0.1       |
| 11-WJH-066  | Rock                             | 6.46        | 25.8       | 5.00        | 1.07        | 4.61        | 0.70        | 3.68        | 0.71        | 2.01        | 0.30        | 2.07        | 0.31        | 6.1        | 13.2       | 3.3        | 445      | 94.7       | 13.5       | 4.6        | 3.1        |
| 11-WJH-059  | Rock                             | 5.05        | 17.8       | 3.56        | 1.05        | 3.79        | 0.64        | 3.88        | 0.91        | 2.58        | 0.43        | 2.89        | 0.42        | 12.0       | 85.3       | 37.8       | 1146     | 195.3      | 19.5       | 9.5        | 8.8        |
| 11-WJH-048  | Rock                             | 1.93        | 8.6        | 2.01        | 0.57        | 2.19        | 0.35        | 2.02        | 0.39        | 1.07        | 0.16        | 1.02        | 0.14        | 0.2        | 1.3        | 0.6        | 4        | 1.3        | 1.6        | <0.1       | <0.1       |



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**Project:** TING 2B

**Report Date:** November 23, 2011

**Page:** 2 of 4 Part 3

## CERTIFICATE OF ANALYSIS

VAN11004232.1

|             | Method<br>Analyte<br>Unit<br>MDL | 1DX  | 1DX  | 1DX  | 1DX   | 1DX  | 1DX  |
|-------------|----------------------------------|------|------|------|-------|------|------|
|             |                                  | Bi   | Ag   | Au   | Hg    | Tl   | Se   |
|             |                                  | ppm  | ppm  | ppb  | ppm   | ppm  | ppm  |
|             |                                  | 0.1  | 0.1  | 0.5  | 0.01  | 0.1  | 0.5  |
| 11-BCQ-0279 | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0277 | Rock                             | <0.1 | <0.1 | 1.0  | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0281 | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0283 | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0278 | Rock                             | <0.1 | <0.1 | 1.0  | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0285 | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0280 | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | 4.2  |
| 11-BCQ-0282 | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-J2-220   | Rock                             | <0.1 | <0.1 | 0.7  | <0.01 | <0.1 | <0.5 |
| 11-J2-219   | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-J2-211   | Rock                             | <0.1 | <0.1 | 0.5  | <0.01 | <0.1 | <0.5 |
| 11-J2-215   | Rock                             | <0.1 | <0.1 | <0.5 | 0.03  | <0.1 | <0.5 |
| 11-J2-212   | Rock                             | <0.1 | <0.1 | <0.5 | 0.01  | <0.1 | <0.5 |
| 11-J2-221   | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-J2-222   | Rock                             | <0.1 | <0.1 | <0.5 | 0.02  | <0.1 | <0.5 |
| 11-AAB-0429 | Rock                             | <0.1 | 0.1  | <0.5 | 0.03  | <0.1 | 2.9  |
| 11-AAB-0434 | Rock                             | <0.1 | 0.1  | 0.5  | 0.01  | <0.1 | <0.5 |
| 11-AAB-0430 | Rock                             | <0.1 | 0.2  | <0.5 | 0.03  | <0.1 | 1.1  |
| 11-AAB-0432 | Rock                             | <0.1 | <0.1 | <0.5 | 0.02  | <0.1 | <0.5 |
| 11-BCQ-275  | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-J2-205   | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-J2-207   | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-J2-201   | Rock                             | <0.1 | <0.1 | <0.5 | 0.01  | <0.1 | <0.5 |
| 11-J2-199   | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-J2-202   | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-WJH-052  | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-WJH-046  | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-WJH-066  | Rock                             | 0.2  | <0.1 | <0.5 | 0.02  | 0.5  | <0.5 |
| 11-WJH-059  | Rock                             | 0.2  | 0.6  | <0.5 | 0.07  | 0.2  | 5.8  |
| 11-WJH-048  | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |



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Project: TING 2B  
Report Date: November 23, 2011

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## CERTIFICATE OF ANALYSIS

VAN11004232.1

|             | Method<br>Analyte<br>Unit<br>MDL | WGHT | 4B   | 4B  | 4B   | 4B   | 4B   | 4B   | 4B   | 4B    | 4B  | 4B    | 4B   | 4B   | 4B  | 4B  | 4B   | 4B    | 4B   | 4B   | 4B   |
|-------------|----------------------------------|------|------|-----|------|------|------|------|------|-------|-----|-------|------|------|-----|-----|------|-------|------|------|------|
|             |                                  | Wgt  | Ba   | Be  | Co   | Cs   | Ga   | Hf   | Nb   | Rb    | Sn  | Sr    | Ta   | Th   | U   | V   | W    | Zr    | Y    | La   | Ce   |
|             |                                  | kg   | ppm  | ppm | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm | ppm   | ppm  | ppm  | ppm | ppm | ppm  | ppm   | ppm  | ppm  | ppm  |
|             |                                  | 0.01 | 1    | 1   | 0.2  | 0.1  | 0.5  | 0.1  | 0.1  | 0.1   | 1   | 0.5   | 0.1  | 0.2  | 0.1 | 8   | 0.5  | 0.1   | 0.1  | 0.1  | 0.1  |
| 11-WJH-050  | Rock                             | 1.34 | 190  | <1  | <0.2 | 1.1  | 2.7  | 2.0  | 5.7  | 12.3  | <1  | 35.2  | 0.4  | 2.2  | 0.7 | 17  | <0.5 | 74.8  | 5.0  | 9.0  | 20.0 |
| 11-WJH-044  | Rock                             | 1.12 | 1044 | 3   | 4.9  | 3.2  | 14.8 | 3.8  | 15.6 | 137.3 | 3   | 400.5 | 1.6  | 20.5 | 4.2 | 55  | <0.5 | 144.4 | 12.0 | 40.9 | 72.9 |
| 11-WJH-068  | Rock                             | 0.99 | 8318 | <1  | 1.6  | 0.7  | 3.7  | 0.8  | 2.2  | 24.5  | <1  | 25.1  | 0.2  | 1.9  | 2.0 | 400 | <0.5 | 24.4  | 8.0  | 6.9  | 10.8 |
| 11-WJH-060  | Rock                             | 0.92 | 5660 | <1  | 3.2  | 0.3  | 1.9  | 0.4  | 1.4  | 14.3  | <1  | 26.2  | 0.2  | 1.2  | 0.9 | 38  | <0.5 | 15.9  | 6.0  | 4.2  | 6.2  |
| 11-WJH-064  | Rock                             | 0.98 | 7092 | <1  | 0.5  | 0.5  | 3.2  | 0.6  | 1.9  | 17.8  | <1  | 37.6  | 0.3  | 1.4  | 2.1 | 323 | <0.5 | 18.2  | 3.3  | 3.4  | 5.3  |
| 11-WJH-056  | Rock                             | 0.97 | 9939 | <1  | 5.7  | 0.8  | 4.5  | 1.3  | 2.8  | 33.0  | <1  | 28.5  | 0.3  | 2.5  | 2.4 | 81  | 0.6  | 34.2  | 20.3 | 9.1  | 13.8 |
| 11-AAB-0413 | Rock                             | 1.28 | 91   | <1  | 1.4  | 0.1  | 1.0  | 2.9  | 1.3  | 2.1   | <1  | 15.2  | 0.1  | 1.1  | 1.7 | 23  | <0.5 | 109.6 | 3.3  | 3.2  | 4.9  |
| 11-BCQ-0265 | Rock                             | 1.51 | 23   | <1  | 0.2  | <0.1 | 0.6  | 0.1  | 0.4  | 2.8   | <1  | 22.9  | <0.1 | 0.3  | 0.3 | <8  | <0.5 | 3.2   | 1.0  | 1.9  | 3.4  |
| 11-BCQ-0272 | Rock                             | 2.03 | 10   | <1  | 0.4  | 0.3  | 1.0  | 0.2  | 2.2  | 6.5   | <1  | 303.4 | 0.1  | 0.7  | 1.2 | 10  | <0.5 | 9.6   | 1.4  | 3.1  | 5.5  |
| 11-BCQ-0285 | Rock                             | 1.62 | 48   | <1  | 0.6  | 0.7  | 1.4  | 0.3  | 2.0  | 9.0   | <1  | 445.1 | 0.1  | 1.1  | 0.6 | <8  | <0.5 | 14.9  | 3.4  | 5.0  | 9.2  |
| 11-BCQ-0261 | Rock                             | 1.30 | 10   | <1  | <0.2 | 0.2  | 0.9  | 0.3  | 1.9  | 6.3   | <1  | 42.6  | 0.1  | 0.7  | 0.3 | <8  | <0.5 | 11.0  | 1.8  | 3.7  | 6.1  |
| 11-BCQ-0256 | Rock                             | 1.13 | 8    | <1  | <0.2 | 0.2  | 0.5  | <0.1 | 1.1  | 4.2   | <1  | 372.8 | <0.1 | 0.4  | 0.6 | <8  | <0.5 | 4.1   | 1.9  | 2.3  | 4.3  |
| 11-BCQ-0276 | Rock                             | 1.67 | 7    | <1  | <0.2 | <0.1 | <0.5 | <0.1 | 0.7  | 1.8   | <1  | 423.0 | <0.1 | 0.3  | 0.2 | <8  | <0.5 | 2.7   | 0.7  | 2.0  | 4.2  |
| 11-BCQ-0273 | Rock                             | 1.12 | 11   | <1  | 0.2  | 0.2  | 0.7  | 0.2  | 1.5  | 5.1   | <1  | 430.9 | <0.1 | 0.5  | 0.5 | 10  | 0.6  | 9.4   | 1.1  | 2.3  | 4.1  |
| 11-BCQ-0254 | Rock                             | 1.22 | 10   | <1  | 0.3  | 0.2  | 0.9  | 0.2  | 1.6  | 4.7   | <1  | 357.1 | 0.1  | 0.5  | 0.8 | <8  | <0.5 | 6.0   | 2.1  | 3.2  | 5.4  |
| 11-BCQ-0259 | Rock                             | 0.95 | 232  | 1   | 5.5  | 1.7  | 7.9  | 1.0  | 4.2  | 58.4  | <1  | 489.6 | 0.2  | 4.3  | 1.1 | 41  | <0.5 | 35.4  | 6.2  | 16.0 | 29.6 |
| 11-BCQ-0274 | Rock                             | 1.19 | 17   | <1  | 0.6  | 0.3  | 1.2  | 0.4  | 2.1  | 9.3   | <1  | 493.6 | 0.1  | 0.8  | 0.4 | 8   | <0.5 | 12.6  | 2.0  | 4.1  | 8.0  |
| 11-BCQ-0257 | Rock                             | 0.76 | 11   | <1  | <0.2 | 0.1  | <0.5 | 0.1  | 0.9  | 3.7   | <1  | 325.1 | <0.1 | 0.3  | 0.5 | <8  | <0.5 | 4.4   | 3.1  | 3.5  | 4.0  |
| 11-BCQ-0262 | Rock                             | 1.29 | 19   | <1  | 0.6  | 0.5  | 1.4  | 0.1  | 1.0  | 10.0  | <1  | 662.7 | <0.1 | 0.8  | 0.4 | 10  | <0.5 | 7.7   | 1.5  | 2.8  | 5.3  |
| 11-BCQ-0263 | Rock                             | 0.92 | 5    | <1  | <0.2 | <0.1 | <0.5 | <0.1 | 0.2  | 0.7   | <1  | 40.0  | <0.1 | <0.2 | 0.3 | <8  | <0.5 | 1.0   | 0.8  | 0.8  | 1.6  |
| 11-AAB-0416 | Rock                             | 1.55 | 347  | <1  | 6.6  | 0.5  | 4.4  | 13.6 | 18.9 | 28.2  | 1   | 30.5  | 1.3  | 8.3  | 2.4 | 53  | 1.2  | 499.0 | 24.2 | 29.0 | 60.5 |
| 11-AAB-0411 | Rock                             | 1.25 | 1078 | 2   | 4.9  | 3.1  | 15.7 | 3.7  | 15.4 | 119.3 | 4   | 413.4 | 1.2  | 21.2 | 4.3 | 57  | <0.5 | 143.2 | 15.0 | 46.7 | 86.8 |
| 11-AAB-0435 | Rock                             | 1.35 | 187  | <1  | 0.6  | 0.4  | 3.2  | 2.4  | 1.5  | 36.0  | <1  | 18.1  | 0.2  | 3.1  | 0.5 | 14  | <0.5 | 78.5  | 2.9  | 7.9  | 15.9 |
| 11-AAB-0437 | Rock                             | 0.88 | 82   | <1  | <0.2 | 0.1  | 1.8  | 1.6  | 0.9  | 16.7  | <1  | 9.0   | <0.1 | 3.0  | 0.5 | <8  | <0.5 | 62.8  | 3.6  | 7.0  | 13.8 |
| 11-AAB-0436 | Rock                             | 0.98 | 54   | <1  | 0.3  | 0.4  | 3.3  | 3.1  | 1.7  | 23.1  | <1  | 5.6   | 0.2  | 3.2  | 0.7 | 11  | <0.5 | 118.3 | 3.6  | 9.9  | 19.0 |
| 11-AAB-0433 | Rock                             | 2.09 | 364  | <1  | 0.7  | 1.1  | 3.0  | 0.5  | 1.2  | 18.1  | <1  | 25.5  | 0.1  | 1.5  | 0.9 | 30  | <0.5 | 19.1  | 2.7  | 4.4  | 6.8  |
| 11-AAB-0424 | Rock                             | 1.25 | 49   | <1  | 4.4  | 0.4  | 1.9  | 7.8  | 2.9  | 6.3   | <1  | 71.5  | 0.2  | 2.2  | 1.6 | 28  | <0.5 | 310.2 | 18.0 | 9.8  | 18.7 |
| 11-AAB-0431 | Rock                             | 0.75 | 256  | <1  | 0.2  | 3.0  | 5.9  | 1.1  | 2.9  | 41.1  | <1  | 35.6  | 0.2  | 2.9  | 1.9 | 67  | <0.5 | 36.8  | 7.2  | 9.9  | 15.0 |
| 11-AAB-0428 | Rock                             | 1.46 | 47   | <1  | 3.5  | 0.3  | 1.6  | 7.6  | 1.6  | 4.2   | <1  | 43.9  | 0.1  | 1.8  | 2.2 | 35  | <0.5 | 300.0 | 9.1  | 6.7  | 11.3 |
| 11-AAB-0427 | Rock                             | 1.38 | 34   | <1  | 0.9  | 0.1  | 0.8  | 2.0  | 0.8  | 2.6   | <1  | 91.8  | <0.1 | 0.9  | 0.6 | 20  | <0.5 | 83.8  | 5.3  | 7.1  | 13.1 |



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Project: TING 2B

Report Date: November 23, 2011

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## CERTIFICATE OF ANALYSIS

VAN11004232.1

|             | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B    | 4B   | 4B    | 4B   | 4B    | 1DX  | 1DX  | 1DX  | 1DX | 1DX  | 1DX  | 1DX  | 1DX  |
|-------------|----------------------------------|------|------|------|------|------|------|------|-------|------|-------|------|-------|------|------|------|-----|------|------|------|------|
|             |                                  | Pr   | Nd   | Sm   | Eu   | Gd   | Tb   | Dy   | Ho    | Er   | Tm    | Yb   | Lu    | Mo   | Cu   | Pb   | Zn  | Ni   | As   | Cd   | Sb   |
|             |                                  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm  | ppm   | ppm  | ppm   | ppm  | ppm  | ppm  | ppm | ppm  | ppm  | ppm  | ppm  |
|             |                                  | 0.02 | 0.3  | 0.05 | 0.02 | 0.05 | 0.01 | 0.05 | 0.02  | 0.03 | 0.01  | 0.05 | 0.01  | 0.1  | 0.1  | 0.1  | 1   | 0.1  | 0.5  | 0.1  | 0.1  |
| 11-WJH-050  | Rock                             | 2.24 | 7.5  | 1.14 | 0.30 | 0.99 | 0.14 | 0.84 | 0.13  | 0.51 | 0.08  | 0.56 | 0.09  | 1.1  | 2.4  | 12.4 | 318 | 27.9 | 3.1  | 4.6  | 0.2  |
| 11-WJH-044  | Rock                             | 7.25 | 24.3 | 3.59 | 0.86 | 2.80 | 0.41 | 2.08 | 0.40  | 1.18 | 0.19  | 1.38 | 0.24  | 0.1  | 1.8  | 3.1  | 53  | 2.7  | <0.5 | 0.2  | <0.1 |
| 11-WJH-068  | Rock                             | 1.51 | 5.9  | 1.07 | 0.22 | 1.12 | 0.17 | 0.89 | 0.20  | 0.62 | 0.10  | 0.60 | 0.09  | 3.5  | 30.4 | 6.4  | 199 | 27.4 | 5.8  | 1.8  | 4.5  |
| 11-WJH-060  | Rock                             | 0.93 | 3.0  | 0.55 | 0.16 | 0.61 | 0.10 | 0.60 | 0.16  | 0.42 | 0.07  | 0.38 | 0.07  | 3.2  | 19.4 | 8.2  | 242 | 46.5 | 3.2  | 4.0  | 1.3  |
| 11-WJH-064  | Rock                             | 0.69 | 2.2  | 0.37 | 0.07 | 0.33 | 0.05 | 0.45 | 0.07  | 0.29 | 0.04  | 0.32 | 0.05  | 2.6  | 14.3 | 4.2  | 43  | 5.6  | 3.0  | 2.3  | 2.0  |
| 11-WJH-056  | Rock                             | 2.14 | 8.3  | 1.47 | 0.36 | 1.68 | 0.25 | 1.53 | 0.42  | 1.14 | 0.18  | 1.10 | 0.17  | 4.4  | 27.7 | 35.3 | 614 | 91.0 | 14.4 | 8.8  | 3.5  |
| 11-AAB-0413 | Rock                             | 0.75 | 3.0  | 0.70 | 0.16 | 0.63 | 0.11 | 0.58 | 0.13  | 0.34 | 0.05  | 0.35 | 0.05  | 1.6  | 8.6  | 2.3  | 115 | 9.9  | 3.9  | 0.2  | 0.1  |
| 11-BCQ-0265 | Rock                             | 0.37 | 1.4  | 0.21 | 0.05 | 0.21 | 0.03 | 0.16 | <0.02 | 0.07 | 0.02  | 0.10 | <0.01 | 0.3  | 2.0  | 5.5  | 5   | 1.0  | 1.7  | <0.1 | 0.2  |
| 11-BCQ-0272 | Rock                             | 0.61 | 2.2  | 0.32 | 0.08 | 0.33 | 0.05 | 0.24 | 0.05  | 0.13 | 0.02  | 0.17 | 0.02  | 0.2  | 2.1  | 2.5  | 2   | 1.2  | 1.3  | <0.1 | <0.1 |
| 11-BCQ-0285 | Rock                             | 1.01 | 3.7  | 0.59 | 0.13 | 0.55 | 0.08 | 0.46 | 0.10  | 0.27 | 0.04  | 0.29 | 0.04  | 0.3  | 1.3  | 2.0  | 3   | <0.1 | <0.5 | <0.1 | <0.1 |
| 11-BCQ-0261 | Rock                             | 0.70 | 2.3  | 0.44 | 0.07 | 0.39 | 0.05 | 0.35 | 0.06  | 0.18 | 0.02  | 0.17 | 0.03  | 0.1  | 1.2  | 1.6  | 3   | 0.9  | 1.0  | <0.1 | <0.1 |
| 11-BCQ-0256 | Rock                             | 0.45 | 1.3  | 0.24 | 0.06 | 0.26 | 0.04 | 0.28 | 0.05  | 0.14 | 0.02  | 0.14 | 0.02  | <0.1 | 0.6  | 0.6  | 1   | 0.3  | 1.6  | <0.1 | <0.1 |
| 11-BCQ-0276 | Rock                             | 0.46 | 1.6  | 0.21 | 0.05 | 0.20 | 0.03 | 0.15 | 0.02  | 0.07 | <0.01 | 0.05 | <0.01 | <0.1 | 0.4  | 0.6  | 8   | <0.1 | 1.8  | <0.1 | <0.1 |
| 11-BCQ-0273 | Rock                             | 0.47 | 1.8  | 0.23 | 0.07 | 0.20 | 0.04 | 0.21 | 0.04  | 0.11 | 0.02  | 0.12 | 0.02  | 0.1  | 1.2  | 2.3  | 1   | <0.1 | 1.2  | <0.1 | <0.1 |
| 11-BCQ-0254 | Rock                             | 0.61 | 1.9  | 0.37 | 0.07 | 0.35 | 0.05 | 0.34 | 0.05  | 0.16 | 0.02  | 0.13 | 0.02  | 0.6  | 0.6  | 1.2  | 3   | <0.1 | 1.1  | <0.1 | <0.1 |
| 11-BCQ-0259 | Rock                             | 3.24 | 11.1 | 1.82 | 0.37 | 1.37 | 0.21 | 1.18 | 0.23  | 0.67 | 0.10  | 0.56 | 0.10  | 0.1  | 6.3  | 3.1  | 3   | 5.0  | 1.3  | <0.1 | <0.1 |
| 11-BCQ-0274 | Rock                             | 0.86 | 2.7  | 0.44 | 0.11 | 0.40 | 0.06 | 0.38 | 0.06  | 0.20 | 0.03  | 0.15 | 0.02  | <0.1 | 2.1  | 1.8  | 2   | <0.1 | 1.3  | <0.1 | <0.1 |
| 11-BCQ-0257 | Rock                             | 0.75 | 3.3  | 0.50 | 0.11 | 0.54 | 0.08 | 0.52 | 0.07  | 0.22 | 0.04  | 0.20 | 0.03  | 0.1  | 0.8  | 1.2  | 1   | <0.1 | 0.8  | <0.1 | <0.1 |
| 11-BCQ-0262 | Rock                             | 0.62 | 2.0  | 0.43 | 0.09 | 0.34 | 0.05 | 0.31 | 0.05  | 0.15 | 0.02  | 0.13 | 0.03  | 0.2  | 2.7  | 1.2  | 3   | <0.1 | 1.0  | <0.1 | <0.1 |
| 11-BCQ-0263 | Rock                             | 0.18 | 0.6  | 0.15 | 0.02 | 0.09 | 0.02 | 0.16 | 0.02  | 0.06 | 0.01  | 0.08 | <0.01 | 0.1  | 0.4  | 0.6  | <1  | 0.3  | <0.5 | <0.1 | <0.1 |
| 11-AAB-0416 | Rock                             | 6.65 | 23.4 | 4.50 | 0.85 | 4.12 | 0.68 | 4.01 | 0.80  | 2.29 | 0.36  | 2.40 | 0.38  | 0.3  | 4.8  | 5.6  | 25  | 10.9 | 9.3  | 0.3  | 0.2  |
| 11-AAB-0411 | Rock                             | 8.40 | 27.4 | 4.56 | 0.99 | 3.41 | 0.48 | 2.84 | 0.49  | 1.39 | 0.25  | 1.54 | 0.26  | 0.1  | 3.4  | 6.8  | 47  | 2.9  | 2.0  | 0.1  | <0.1 |
| 11-AAB-0435 | Rock                             | 1.76 | 6.1  | 0.89 | 0.18 | 0.65 | 0.10 | 0.61 | 0.10  | 0.31 | 0.04  | 0.32 | 0.05  | 0.2  | 1.5  | 1.1  | 4   | 1.9  | 0.8  | <0.1 | <0.1 |
| 11-AAB-0437 | Rock                             | 1.49 | 4.7  | 0.88 | 0.17 | 0.76 | 0.11 | 0.62 | 0.12  | 0.36 | 0.05  | 0.29 | 0.05  | 0.1  | 0.7  | 0.6  | 1   | 0.9  | <0.5 | <0.1 | <0.1 |
| 11-AAB-0436 | Rock                             | 2.04 | 7.0  | 1.19 | 0.23 | 0.94 | 0.14 | 0.64 | 0.13  | 0.40 | 0.06  | 0.47 | 0.07  | 0.1  | 0.8  | 0.6  | 2   | 1.3  | <0.5 | <0.1 | 0.1  |
| 11-AAB-0433 | Rock                             | 1.01 | 3.6  | 0.67 | 0.15 | 0.57 | 0.09 | 0.49 | 0.11  | 0.34 | 0.05  | 0.36 | 0.05  | 1.6  | 10.7 | 2.8  | 10  | 8.6  | 2.9  | 0.1  | 0.1  |
| 11-AAB-0424 | Rock                             | 2.31 | 8.5  | 1.95 | 0.49 | 2.83 | 0.52 | 3.18 | 0.60  | 1.65 | 0.25  | 1.41 | 0.23  | 0.4  | 14.6 | 4.7  | 39  | 26.4 | 3.7  | <0.1 | <0.1 |
| 11-AAB-0431 | Rock                             | 2.12 | 8.3  | 1.57 | 0.34 | 1.13 | 0.19 | 1.18 | 0.25  | 0.80 | 0.12  | 0.76 | 0.12  | 3.4  | 16.1 | 3.8  | 9   | 4.0  | 4.7  | <0.1 | 0.1  |
| 11-AAB-0428 | Rock                             | 1.32 | 5.4  | 0.89 | 0.22 | 1.24 | 0.21 | 1.39 | 0.28  | 0.88 | 0.13  | 0.89 | 0.14  | 1.9  | 20.0 | 6.9  | 38  | 35.5 | 20.8 | 0.2  | 0.1  |
| 11-AAB-0427 | Rock                             | 1.57 | 5.8  | 1.15 | 0.23 | 1.07 | 0.16 | 0.97 | 0.17  | 0.51 | 0.07  | 0.50 | 0.08  | 0.4  | 2.3  | 2.9  | 4   | 3.6  | 5.9  | <0.1 | 0.1  |



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**Project:** TING 2B

**Report Date:** November 23, 2011

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## CERTIFICATE OF ANALYSIS

VAN11004232.1

|             | Method<br>Analyte | Unit<br>MDL | 1DX  | 1DX  | 1DX  | 1DX   | 1DX  | 1DX  |
|-------------|-------------------|-------------|------|------|------|-------|------|------|
|             |                   |             | Bi   | Ag   | Au   | Hg    | Tl   | Se   |
|             |                   |             | ppm  | ppm  | ppb  | ppm   | ppm  | ppm  |
|             |                   |             | 0.1  | 0.1  | 0.5  | 0.01  | 0.1  | 0.5  |
| 11-WJH-050  | Rock              |             | <0.1 | <0.1 | <0.5 | <0.01 | 0.2  | <0.5 |
| 11-WJH-044  | Rock              |             | <0.1 | <0.1 | <0.5 | <0.01 | 0.3  | <0.5 |
| 11-WJH-068  | Rock              |             | <0.1 | 1.1  | <0.5 | 0.05  | <0.1 | 2.0  |
| 11-WJH-060  | Rock              |             | <0.1 | 0.8  | 2.7  | 0.05  | 0.1  | 0.9  |
| 11-WJH-064  | Rock              |             | <0.1 | 1.1  | <0.5 | 0.09  | <0.1 | 1.4  |
| 11-WJH-056  | Rock              |             | <0.1 | 0.6  | 2.1  | 0.09  | 0.3  | 1.3  |
| 11-AAB-0413 | Rock              |             | <0.1 | <0.1 | <0.5 | 0.01  | <0.1 | <0.5 |
| 11-BCQ-0265 | Rock              |             | <0.1 | <0.1 | 0.7  | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0272 | Rock              |             | <0.1 | <0.1 | 2.1  | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0285 | Rock              |             | <0.1 | <0.1 | 0.8  | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0261 | Rock              |             | <0.1 | <0.1 | 1.0  | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0256 | Rock              |             | <0.1 | <0.1 | 0.7  | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0276 | Rock              |             | <0.1 | <0.1 | 1.5  | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0273 | Rock              |             | <0.1 | <0.1 | 1.0  | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0254 | Rock              |             | <0.1 | <0.1 | 1.3  | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0259 | Rock              |             | <0.1 | <0.1 | 0.9  | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0274 | Rock              |             | <0.1 | <0.1 | 1.2  | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0257 | Rock              |             | <0.1 | <0.1 | 2.0  | 0.02  | <0.1 | <0.5 |
| 11-BCQ-0262 | Rock              |             | <0.1 | <0.1 | 0.8  | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0263 | Rock              |             | <0.1 | <0.1 | 0.8  | <0.01 | <0.1 | <0.5 |
| 11-AAB-0416 | Rock              |             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-AAB-0411 | Rock              |             | 0.1  | <0.1 | <0.5 | <0.01 | 0.2  | 0.9  |
| 11-AAB-0435 | Rock              |             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-AAB-0437 | Rock              |             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | 0.6  |
| 11-AAB-0436 | Rock              |             | <0.1 | <0.1 | 1.0  | <0.01 | <0.1 | <0.5 |
| 11-AAB-0433 | Rock              |             | <0.1 | <0.1 | 0.5  | 0.03  | <0.1 | 1.4  |
| 11-AAB-0424 | Rock              |             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-AAB-0431 | Rock              |             | <0.1 | <0.1 | <0.5 | 0.05  | <0.1 | 2.2  |
| 11-AAB-0428 | Rock              |             | <0.1 | 0.2  | 0.7  | 0.19  | 0.2  | <0.5 |
| 11-AAB-0427 | Rock              |             | <0.1 | <0.1 | 0.5  | 0.01  | <0.1 | <0.5 |



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Project: TING 2B

Report Date: November 23, 2011

Page: 4 of 4 Part 1

## CERTIFICATE OF ANALYSIS

VAN11004232.1

|             | Method<br>Analyte<br>Unit<br>MDL | WGHT | 4B   | 4B  | 4B   | 4B   | 4B   | 4B   | 4B   | 4B    | 4B  | 4B    | 4B   | 4B   | 4B  | 4B  | 4B   | 4B    | 4B   | 4B   | 4B    |
|-------------|----------------------------------|------|------|-----|------|------|------|------|------|-------|-----|-------|------|------|-----|-----|------|-------|------|------|-------|
|             |                                  | Wgt  | Ba   | Be  | Co   | Cs   | Ga   | Hf   | Nb   | Rb    | Sn  | Sr    | Ta   | Th   | U   | V   | W    | Zr    | Y    | La   | Ce    |
|             |                                  | kg   | ppm  | ppm | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm | ppm   | ppm  | ppm  | ppm | ppm | ppm  | ppm   | ppm  | ppm  | ppm   |
|             |                                  | 0.01 | 1    | 1   | 0.2  | 0.1  | 0.5  | 0.1  | 0.1  | 0.1   | 1   | 0.5   | 0.1  | 0.2  | 0.1 | 8   | 0.5  | 0.1   | 0.1  | 0.1  | 0.1   |
| 11-AAB-0425 | Rock                             | 1.32 | 55   | <1  | 0.6  | 0.5  | 3.2  | 2.8  | 2.9  | 14.6  | <1  | 37.4  | 0.2  | 2.2  | 1.5 | 37  | <0.5 | 127.3 | 4.5  | 12.3 | 20.9  |
| 11-AAB-0426 | Rock                             | 1.60 | 78   | <1  | 0.4  | 0.2  | 2.0  | 17.8 | 4.2  | 8.3   | <1  | 35.7  | 0.3  | 4.0  | 1.8 | 26  | 0.6  | 773.2 | 10.5 | 7.9  | 17.1  |
| 11-AAB-0446 | Rock                             | 2.24 | 1514 | <1  | 1.0  | 0.3  | 2.2  | 4.6  | 3.9  | 6.6   | <1  | 23.3  | 0.4  | 3.3  | 1.3 | 31  | <0.5 | 191.4 | 10.3 | 10.6 | 21.4  |
| 11-AAB-0445 | Rock                             | 1.44 | 668  | <1  | 1.7  | <0.1 | 0.9  | 6.4  | 2.1  | 0.6   | <1  | 8.6   | 0.2  | 1.8  | 1.4 | 50  | <0.5 | 265.9 | 6.9  | 6.7  | 13.5  |
| 11-AAB-0449 | Rock                             | 2.40 | 524  | <1  | 2.1  | 0.2  | 3.1  | 4.2  | 3.8  | 6.4   | <1  | 12.7  | 0.2  | 3.1  | 1.2 | 37  | <0.5 | 182.7 | 5.6  | 10.4 | 20.2  |
| 11-AAB-0440 | Rock                             | 2.06 | 21   | <1  | 0.3  | <0.1 | <0.5 | <0.1 | 0.9  | 0.9   | <1  | 39.3  | <0.1 | 0.4  | 0.6 | <8  | 0.5  | 3.3   | 1.2  | 1.3  | 2.6   |
| 11-AAB-0453 | Rock                             | 1.74 | 17   | <1  | <0.2 | 0.1  | <0.5 | 0.1  | 1.0  | 2.6   | <1  | 70.6  | <0.1 | 0.3  | 0.2 | <8  | <0.5 | 5.0   | 1.5  | 3.8  | 6.4   |
| 11-AAB-0442 | Rock                             | 2.14 | 683  | <1  | 0.7  | 0.1  | 0.6  | 0.3  | 1.4  | 5.7   | <1  | 209.8 | <0.1 | 0.8  | 0.3 | 10  | <0.5 | 10.9  | 8.8  | 6.9  | 14.0  |
| 11-AAB-0456 | Rock                             | 2.39 | 25   | <1  | 0.5  | 0.2  | <0.5 | 0.3  | 2.0  | 4.0   | <1  | 58.6  | 0.1  | 0.6  | 0.3 | <8  | <0.5 | 9.7   | 4.2  | 5.0  | 9.7   |
| 11-BCQ-0313 | Rock                             | 0.69 | 251  | <1  | 32.9 | 1.9  | 16.3 | 3.8  | 31.4 | 20.2  | 1   | 644.1 | 1.9  | 3.1  | 0.8 | 287 | <0.5 | 190.2 | 26.0 | 17.9 | 43.5  |
| 11-BCQ-0315 | Rock                             | 2.06 | 625  | 1   | 9.3  | 1.1  | 20.1 | 3.6  | 10.6 | 55.8  | 1   | 495.4 | 0.6  | 7.6  | 2.3 | 97  | 0.8  | 138.7 | 16.7 | 25.4 | 49.5  |
| 11-BCQ-0305 | Rock                             | 1.82 | 631  | 1   | 2.8  | 1.7  | 20.4 | 3.1  | 10.5 | 80.1  | 1   | 507.5 | 0.8  | 7.1  | 3.0 | 96  | 1.6  | 144.2 | 16.6 | 21.0 | 39.9  |
| 11-BCQ-0311 | Rock                             | 1.55 | 7    | <1  | 0.3  | 0.1  | <0.5 | 0.2  | 0.6  | 3.3   | <1  | 230.7 | <0.1 | 0.4  | 0.5 | <8  | <0.5 | 9.8   | 1.4  | 2.7  | 5.7   |
| 11-BCQ-0304 | Rock                             | 1.33 | 577  | 2   | 37.6 | 2.1  | 22.3 | 4.8  | 32.3 | 49.8  | 1   | 259.3 | 1.9  | 3.4  | 0.8 | 291 | <0.5 | 196.2 | 23.7 | 24.4 | 53.3  |
| 11-BCQ-0302 | Rock                             | 2.82 | 524  | <1  | 11.7 | 4.7  | 19.0 | 2.8  | 8.3  | 90.9  | 1   | 409.1 | 0.5  | 5.4  | 2.0 | 113 | 0.5  | 109.8 | 15.4 | 17.3 | 33.9  |
| 11-BCQ-0318 | Rock                             | 1.66 | 330  | <1  | 39.7 | 6.9  | 19.4 | 4.1  | 31.9 | 88.8  | 2   | 141.4 | 2.0  | 3.3  | 0.9 | 288 | 0.7  | 197.2 | 25.0 | 20.9 | 44.7  |
| 11-BCQ-0300 | Rock                             | 1.54 | 524  | 3   | 21.6 | 9.0  | 24.8 | 6.8  | 65.6 | 132.5 | 4   | 204.1 | 4.1  | 14.3 | 3.0 | 125 | 2.3  | 289.6 | 44.5 | 64.6 | 123.7 |
| 11-BCQ-0297 | Rock                             | 1.14 | 85   | <1  | 5.0  | 0.5  | 2.1  | 1.1  | 1.7  | 17.5  | <1  | 426.2 | <0.1 | 1.7  | 1.3 | <8  | <0.5 | 50.3  | 4.9  | 11.3 | 21.7  |
| 11-BCQ-0306 | Rock                             | 1.66 | 472  | 2   | 28.2 | 2.3  | 16.1 | 4.1  | 30.5 | 34.2  | 1   | 472.4 | 1.8  | 3.3  | 0.7 | 282 | <0.5 | 178.2 | 25.6 | 20.0 | 45.0  |
| 11-BCQ-0310 | Rock                             | 1.84 | 65   | <1  | 1.2  | 0.2  | 1.3  | 0.6  | 1.5  | 9.6   | <1  | 243.7 | <0.1 | 1.3  | 1.1 | <8  | <0.5 | 36.6  | 3.7  | 8.9  | 17.4  |



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Project: TING 2B

Report Date: November 23, 2011

Page: 4 of 4 Part 2

## CERTIFICATE OF ANALYSIS

VAN11004232.1

|             | Method<br>Analyte<br>Unit<br>MDL | 4B    | 4B   | 4B    | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B    | 4B   | 4B   | 1DX  | 1DX  | 1DX  | 1DX | 1DX  | 1DX  | 1DX  |
|-------------|----------------------------------|-------|------|-------|------|------|------|------|------|------|-------|------|------|------|------|------|-----|------|------|------|
|             |                                  | Pr    | Nd   | Sm    | Eu   | Gd   | Tb   | Dy   | Ho   | Er   | Tm    | Yb   | Lu   | Mo   | Cu   | Pb   | Zn  | Ni   | As   | Cd   |
|             |                                  | ppm   | ppm  | ppm   | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm  | ppm  | ppm  | ppm  | ppm  | ppm | ppm  | ppm  | ppm  |
|             |                                  | 0.02  | 0.3  | 0.05  | 0.02 | 0.05 | 0.01 | 0.05 | 0.02 | 0.03 | 0.01  | 0.05 | 0.01 | 0.1  | 0.1  | 0.1  | 1   | 0.1  | 0.5  | 0.1  |
| 11-AAB-0425 | Rock                             | 2.49  | 8.7  | 1.19  | 0.20 | 0.69 | 0.13 | 0.78 | 0.19 | 0.63 | 0.09  | 0.76 | 0.11 | 0.7  | 3.7  | 4.4  | 6   | 2.6  | 9.2  | <0.1 |
| 11-AAB-0426 | Rock                             | 1.91  | 7.4  | 1.32  | 0.27 | 1.29 | 0.26 | 1.42 | 0.36 | 1.22 | 0.20  | 1.45 | 0.25 | 0.2  | 2.6  | 3.1  | 11  | 2.5  | 3.4  | <0.1 |
| 11-AAB-0446 | Rock                             | 2.52  | 9.4  | 1.82  | 0.33 | 1.60 | 0.29 | 1.72 | 0.37 | 1.06 | 0.17  | 1.11 | 0.15 | 1.9  | 5.6  | 2.7  | 42  | 7.0  | 4.1  | 0.2  |
| 11-AAB-0445 | Rock                             | 1.77  | 6.3  | 1.22  | 0.18 | 0.97 | 0.17 | 0.89 | 0.25 | 0.74 | 0.12  | 0.79 | 0.14 | 1.5  | 7.2  | 3.8  | 311 | 12.0 | 8.4  | 0.6  |
| 11-AAB-0449 | Rock                             | 2.32  | 7.6  | 1.25  | 0.21 | 0.85 | 0.14 | 1.00 | 0.21 | 0.67 | 0.11  | 0.85 | 0.12 | 0.4  | 6.2  | 3.1  | 53  | 18.8 | 1.5  | 0.1  |
| 11-AAB-0440 | Rock                             | 0.36  | 1.4  | 0.22  | 0.04 | 0.20 | 0.03 | 0.13 | 0.03 | 0.13 | <0.01 | 0.06 | 0.01 | 4.3  | 1.7  | 10.5 | 34  | 1.7  | 8.4  | <0.1 |
| 11-AAB-0453 | Rock                             | 0.66  | 2.3  | 0.39  | 0.07 | 0.32 | 0.05 | 0.17 | 0.04 | 0.14 | 0.02  | 0.14 | 0.02 | <0.1 | 0.3  | 0.4  | 5   | 0.6  | 0.7  | <0.1 |
| 11-AAB-0442 | Rock                             | 1.60  | 5.8  | 1.32  | 0.31 | 1.26 | 0.21 | 1.22 | 0.24 | 0.72 | 0.10  | 0.61 | 0.08 | 0.1  | 1.5  | 1.9  | 11  | <0.1 | 1.8  | <0.1 |
| 11-AAB-0456 | Rock                             | 1.15  | 3.9  | 0.74  | 0.18 | 0.71 | 0.10 | 0.61 | 0.13 | 0.25 | 0.04  | 0.30 | 0.04 | <0.1 | 0.5  | 5.2  | 2   | 2.5  | 2.6  | <0.1 |
| 11-BCQ-0313 | Rock                             | 5.85  | 24.0 | 5.67  | 1.73 | 5.47 | 0.92 | 4.99 | 0.95 | 2.55 | 0.33  | 2.23 | 0.29 | 0.2  | 31.2 | 1.1  | 34  | 22.6 | <0.5 | <0.1 |
| 11-BCQ-0315 | Rock                             | 5.69  | 21.2 | 3.86  | 1.09 | 3.49 | 0.55 | 3.14 | 0.59 | 1.81 | 0.28  | 1.86 | 0.27 | <0.1 | 22.8 | 1.7  | 56  | 3.9  | <0.5 | <0.1 |
| 11-BCQ-0305 | Rock                             | 4.75  | 18.1 | 3.48  | 0.95 | 3.09 | 0.50 | 2.93 | 0.62 | 1.73 | 0.25  | 1.78 | 0.27 | 5.5  | 23.4 | 2.6  | 34  | 1.8  | <0.5 | 0.1  |
| 11-BCQ-0311 | Rock                             | 0.63  | 2.2  | 0.36  | 0.09 | 0.37 | 0.05 | 0.24 | 0.05 | 0.14 | 0.02  | 0.14 | 0.02 | <0.1 | 0.9  | 1.0  | 1   | 2.2  | <0.5 | <0.1 |
| 11-BCQ-0304 | Rock                             | 6.79  | 28.3 | 6.04  | 1.99 | 5.65 | 0.93 | 5.17 | 0.96 | 2.66 | 0.35  | 2.59 | 0.32 | 0.2  | 30.3 | 2.5  | 67  | 30.3 | <0.5 | <0.1 |
| 11-BCQ-0302 | Rock                             | 4.00  | 15.2 | 3.14  | 0.87 | 2.99 | 0.48 | 2.81 | 0.61 | 1.59 | 0.25  | 1.61 | 0.26 | <0.1 | 2.6  | 6.0  | 66  | 5.6  | <0.5 | 0.3  |
| 11-BCQ-0318 | Rock                             | 5.84  | 26.2 | 5.94  | 1.84 | 5.66 | 0.97 | 5.14 | 1.00 | 2.59 | 0.35  | 2.17 | 0.29 | 0.3  | 36.6 | 1.4  | 122 | 43.5 | <0.5 | 0.3  |
| 11-BCQ-0300 | Rock                             | 14.14 | 53.2 | 10.39 | 1.98 | 9.17 | 1.52 | 8.14 | 1.68 | 4.67 | 0.66  | 4.45 | 0.65 | 1.5  | 31.8 | 4.9  | 63  | 30.0 | <0.5 | <0.1 |
| 11-BCQ-0297 | Rock                             | 2.39  | 9.3  | 1.47  | 0.45 | 1.14 | 0.15 | 0.78 | 0.17 | 0.36 | 0.06  | 0.40 | 0.06 | 0.2  | 2.6  | 5.1  | 8   | 4.2  | 5.1  | <0.1 |
| 11-BCQ-0306 | Rock                             | 5.85  | 24.8 | 5.33  | 1.56 | 5.51 | 0.90 | 4.80 | 0.96 | 2.55 | 0.35  | 2.38 | 0.32 | 0.2  | 38.7 | 1.7  | 23  | 18.0 | <0.5 | 0.1  |
| 11-BCQ-0310 | Rock                             | 1.79  | 7.1  | 0.96  | 0.34 | 0.81 | 0.11 | 0.66 | 0.12 | 0.31 | 0.04  | 0.29 | 0.04 | <0.1 | 1.0  | 2.5  | 1   | 3.0  | 1.4  | <0.1 |



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**Project:** TING 2B

**Report Date:** November 23, 2011

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## CERTIFICATE OF ANALYSIS

VAN11004232.1

|             | Method<br>Analyte<br>Unit<br>MDL | 1DX  | 1DX  | 1DX  | 1DX   | 1DX  | 1DX  |
|-------------|----------------------------------|------|------|------|-------|------|------|
|             |                                  | Bi   | Ag   | Au   | Hg    | Tl   | Se   |
|             |                                  | ppm  | ppm  | ppb  | ppm   | ppm  | ppm  |
|             |                                  | 0.1  | 0.1  | 0.5  | 0.01  | 0.1  | 0.5  |
| 11-AAB-0425 | Rock                             | <0.1 | <0.1 | <0.5 | 0.03  | <0.1 | <0.5 |
| 11-AAB-0426 | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-AAB-0446 | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-AAB-0445 | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | 1.1  |
| 11-AAB-0449 | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-AAB-0440 | Rock                             | <0.1 | 0.2  | 1.3  | 0.02  | <0.1 | <0.5 |
| 11-AAB-0453 | Rock                             | <0.1 | <0.1 | 1.0  | <0.01 | <0.1 | <0.5 |
| 11-AAB-0442 | Rock                             | <0.1 | <0.1 | 1.8  | <0.01 | <0.1 | <0.5 |
| 11-AAB-0456 | Rock                             | <0.1 | <0.1 | <0.5 | 0.01  | 0.3  | <0.5 |
| 11-BCQ-0313 | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0315 | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | 0.2  | <0.5 |
| 11-BCQ-0305 | Rock                             | 0.9  | <0.1 | 1.9  | <0.01 | 0.2  | <0.5 |
| 11-BCQ-0311 | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0304 | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0302 | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | 0.1  | <0.5 |
| 11-BCQ-0318 | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | 0.5  | <0.5 |
| 11-BCQ-0300 | Rock                             | 1.8  | <0.1 | <0.5 | <0.01 | 0.4  | <0.5 |
| 11-BCQ-0297 | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0306 | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |
| 11-BCQ-0310 | Rock                             | <0.1 | <0.1 | <0.5 | <0.01 | <0.1 | <0.5 |



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Report Date:

November 23, 2011

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Part 1

## QUALITY CONTROL REPORT

VAN11004232.1

|                        | Method<br>Analyte<br>Unit<br>MDL | WGHT | 4B   | 4B  | 4B   | 4B   | 4B   | 4B  | 4B   | 4B    | 4B  | 4B    | 4B   | 4B   | 4B   | 4B  | 4B   | 4B    | 4B   | 4B   |      |
|------------------------|----------------------------------|------|------|-----|------|------|------|-----|------|-------|-----|-------|------|------|------|-----|------|-------|------|------|------|
|                        |                                  | Wgt  | Ba   | Be  | Co   | Cs   | Ga   | Hf  | Nb   | Rb    | Sn  | Sr    | Ta   | Th   | U    | V   | W    | Zr    | Y    | La   | Ce   |
|                        |                                  | kg   | ppm  | ppm | ppm  | ppm  | ppm  | ppm | ppm  | ppm   | ppm | ppm   | ppm  | ppm  | ppm  | ppm | ppm  | ppm   | ppm  | ppm  | ppm  |
|                        |                                  | 0.01 | 1    | 1   | 0.2  | 0.1  | 0.5  | 0.1 | 0.1  | 0.1   | 1   | 0.5   | 0.1  | 0.2  | 0.1  | 8   | 0.5  | 0.1   | 0.1  | 0.1  | 0.1  |
| Pulp Duplicates        |                                  |      |      |     |      |      |      |     |      |       |     |       |      |      |      |     |      |       |      |      |      |
| 11-J2-211              | Rock                             | 0.81 | 32   | <1  | 0.4  | <0.1 | 1.1  | 8.3 | 1.9  | 1.3   | <1  | 18.8  | 0.2  | 1.8  | 0.8  | <8  | <0.5 | 331.5 | 5.3  | 5.9  | 11.7 |
| REP 11-J2-211          | QC                               |      |      |     |      |      |      |     |      |       |     |       |      |      |      |     |      |       |      |      |      |
| 11-AAB-0432            | Rock                             | 1.26 | 64   | <1  | 0.7  | 0.4  | 2.0  | 3.3 | 2.9  | 8.4   | <1  | 139.7 | 0.2  | 3.0  | 2.0  | 25  | <0.5 | 130.1 | 15.9 | 12.4 | 16.8 |
| REP 11-AAB-0432        | QC                               |      | 63   | <1  | 0.5  | 0.4  | 1.9  | 3.1 | 2.8  | 8.1   | <1  | 136.7 | 0.2  | 2.7  | 1.9  | 22  | <0.5 | 128.9 | 15.7 | 11.9 | 16.7 |
| 11-WJH-050             | Rock                             | 1.34 | 190  | <1  | <0.2 | 1.1  | 2.7  | 2.0 | 5.7  | 12.3  | <1  | 35.2  | 0.4  | 2.2  | 0.7  | 17  | <0.5 | 74.8  | 5.0  | 9.0  | 20.0 |
| REP 11-WJH-050         | QC                               |      | 195  | <1  | <0.2 | 1.0  | 3.0  | 2.1 | 5.4  | 12.8  | <1  | 34.9  | 0.5  | 2.1  | 0.6  | 15  | <0.5 | 80.8  | 4.9  | 8.8  | 19.7 |
| 11-WJH-056             | Rock                             | 0.97 | 9939 | <1  | 5.7  | 0.8  | 4.5  | 1.3 | 2.8  | 33.0  | <1  | 28.5  | 0.3  | 2.5  | 2.4  | 81  | 0.6  | 34.2  | 20.3 | 9.1  | 13.8 |
| REP 11-WJH-056         | QC                               |      |      |     |      |      |      |     |      |       |     |       |      |      |      |     |      |       |      |      |      |
| 11-AAB-0456            | Rock                             | 2.39 | 25   | <1  | 0.5  | 0.2  | <0.5 | 0.3 | 2.0  | 4.0   | <1  | 58.6  | 0.1  | 0.6  | 0.3  | <8  | <0.5 | 9.7   | 4.2  | 5.0  | 9.7  |
| REP 11-AAB-0456        | QC                               |      |      |     |      |      |      |     |      |       |     |       |      |      |      |     |      |       |      |      |      |
| 11-BCQ-0305            | Rock                             | 1.82 | 631  | 1   | 2.8  | 1.7  | 20.4 | 3.1 | 10.5 | 80.1  | 1   | 507.5 | 0.8  | 7.1  | 3.0  | 96  | 1.6  | 144.2 | 16.6 | 21.0 | 39.9 |
| REP 11-BCQ-0305        | QC                               |      | 605  | <1  | 2.8  | 1.6  | 19.4 | 3.2 | 10.1 | 76.3  | 2   | 495.3 | 0.7  | 6.9  | 2.8  | 90  | 2.2  | 127.3 | 15.5 | 19.8 | 38.2 |
| Core Reject Duplicates |                                  |      |      |     |      |      |      |     |      |       |     |       |      |      |      |     |      |       |      |      |      |
| 11-AAB-0434            | Rock                             | 2.57 | 37   | <1  | 0.5  | 0.2  | 1.8  | 2.6 | 0.9  | 4.7   | <1  | 39.8  | <0.1 | 1.2  | 1.0  | 16  | <0.5 | 89.5  | 4.2  | 5.0  | 8.1  |
| DUP 11-AAB-0434        | QC                               |      | 40   | <1  | 0.6  | 0.2  | 2.0  | 2.9 | 1.2  | 5.1   | <1  | 39.2  | 0.1  | 1.3  | 1.2  | 15  | <0.5 | 122.7 | 4.6  | 4.7  | 8.8  |
| 11-AAB-0411            | Rock                             | 1.25 | 1078 | 2   | 4.9  | 3.1  | 15.7 | 3.7 | 15.4 | 119.3 | 4   | 413.4 | 1.2  | 21.2 | 4.3  | 57  | <0.5 | 143.2 | 15.0 | 46.7 | 86.8 |
| DUP 11-AAB-0411        | QC                               |      | 1080 | 1   | 4.1  | 3.0  | 15.0 | 3.7 | 14.4 | 121.7 | 3   | 392.0 | 1.2  | 19.7 | 4.4  | 54  | <0.5 | 126.1 | 14.0 | 37.0 | 67.9 |
| Reference Materials    |                                  |      |      |     |      |      |      |     |      |       |     |       |      |      |      |     |      |       |      |      |      |
| STD DS8                | Standard                         |      |      |     |      |      |      |     |      |       |     |       |      |      |      |     |      |       |      |      |      |
| STD DS8                | Standard                         |      |      |     |      |      |      |     |      |       |     |       |      |      |      |     |      |       |      |      |      |
| STD DS8                | Standard                         |      |      |     |      |      |      |     |      |       |     |       |      |      |      |     |      |       |      |      |      |
| STD DS8                | Standard                         |      |      |     |      |      |      |     |      |       |     |       |      |      |      |     |      |       |      |      |      |
| STD OREAS45CA          | Standard                         |      |      |     |      |      |      |     |      |       |     |       |      |      |      |     |      |       |      |      |      |
| STD OREAS45CA          | Standard                         |      |      |     |      |      |      |     |      |       |     |       |      |      |      |     |      |       |      |      |      |
| STD OREAS45CA          | Standard                         |      |      |     |      |      |      |     |      |       |     |       |      |      |      |     |      |       |      |      |      |
| STD OREAS45CA          | Standard                         |      |      |     |      |      |      |     |      |       |     |       |      |      |      |     |      |       |      |      |      |
| STD SO-18              | Standard                         |      | 522  | <1  | 26.5 | 6.8  | 16.5 | 9.2 | 20.0 | 27.2  | 15  | 398.7 | 6.9  | 10.1 | 15.4 | 205 | 12.7 | 279.9 | 30.9 | 12.3 | 26.8 |
| STD SO-18              | Standard                         |      | 523  | <1  | 26.5 | 6.9  | 16.3 | 8.8 | 20.1 | 27.4  | 15  | 409.6 | 6.9  | 10.2 | 15.3 | 200 | 13.5 | 277.6 | 30.9 | 12.6 | 27.0 |



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Part 2

## QUALITY CONTROL REPORT

VAN11004232.1

|                        | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 1DX  | 1DX   | 1DX   | 1DX | 1DX   | 1DX  | 1DX  | 1DX  |
|------------------------|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-----|-------|------|------|------|
|                        |                                  | Pr   | Nd   | Sm   | Eu   | Gd   | Tb   | Dy   | Ho   | Er   | Tm   | Yb   | Lu   | Mo   | Cu    | Pb    | Zn  | Ni    | As   | Cd   | Sb   |
|                        |                                  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm   | ppm | ppm   | ppm  | ppm  | ppm  |
| Pulp Duplicates        |                                  | 0.02 | 0.3  | 0.05 | 0.02 | 0.05 | 0.01 | 0.05 | 0.02 | 0.03 | 0.01 | 0.05 | 0.01 | 0.1  | 0.1   | 0.1   | 1   | 0.1   | 0.5  | 0.1  | 0.1  |
| 11-J2-211              | Rock                             | 1.32 | 5.3  | 0.94 | 0.12 | 0.74 | 0.15 | 0.80 | 0.22 | 0.54 | 0.10 | 0.76 | 0.12 | 0.2  | 2.0   | 0.7   | 2   | 1.7   | 0.8  | <0.1 | <0.1 |
| REP 11-J2-211          | QC                               |      |      |      |      |      |      |      |      |      |      |      |      | 0.1  | 1.4   | 0.6   | 2   | 1.7   | 0.8  | <0.1 | <0.1 |
| 11-AAB-0432            | Rock                             | 2.87 | 11.2 | 2.29 | 0.53 | 2.34 | 0.38 | 2.47 | 0.48 | 1.43 | 0.21 | 1.41 | 0.22 | 0.2  | 1.9   | 3.7   | 27  | 3.0   | 2.3  | 0.2  | 0.2  |
| REP 11-AAB-0432        | QC                               | 2.81 | 12.1 | 2.28 | 0.50 | 2.05 | 0.37 | 2.27 | 0.51 | 1.38 | 0.20 | 1.35 | 0.21 |      |       |       |     |       |      |      |      |
| 11-WJH-050             | Rock                             | 2.24 | 7.5  | 1.14 | 0.30 | 0.99 | 0.14 | 0.84 | 0.13 | 0.51 | 0.08 | 0.56 | 0.09 | 1.1  | 2.4   | 12.4  | 318 | 27.9  | 3.1  | 4.6  | 0.2  |
| REP 11-WJH-050         | QC                               | 2.22 | 8.3  | 1.15 | 0.32 | 1.04 | 0.13 | 0.78 | 0.16 | 0.47 | 0.08 | 0.54 | 0.07 |      |       |       |     |       |      |      |      |
| 11-WJH-056             | Rock                             | 2.14 | 8.3  | 1.47 | 0.36 | 1.68 | 0.25 | 1.53 | 0.42 | 1.14 | 0.18 | 1.10 | 0.17 | 4.4  | 27.7  | 35.3  | 614 | 91.0  | 14.4 | 8.8  | 3.5  |
| REP 11-WJH-056         | QC                               |      |      |      |      |      |      |      |      |      |      |      |      | 4.6  | 28.8  | 35.4  | 633 | 95.7  | 15.1 | 8.5  | 3.7  |
| 11-AAB-0456            | Rock                             | 1.15 | 3.9  | 0.74 | 0.18 | 0.71 | 0.10 | 0.61 | 0.13 | 0.25 | 0.04 | 0.30 | 0.04 | <0.1 | 0.5   | 5.2   | 2   | 2.5   | 2.6  | <0.1 | 0.6  |
| REP 11-AAB-0456        | QC                               |      |      |      |      |      |      |      |      |      |      |      |      | <0.1 | 0.6   | 5.3   | 2   | 2.8   | 3.3  | <0.1 | 0.6  |
| 11-BCQ-0305            | Rock                             | 4.75 | 18.1 | 3.48 | 0.95 | 3.09 | 0.50 | 2.93 | 0.62 | 1.73 | 0.25 | 1.78 | 0.27 | 5.5  | 23.4  | 2.6   | 34  | 1.8   | <0.5 | 0.1  | <0.1 |
| REP 11-BCQ-0305        | QC                               | 4.38 | 16.9 | 3.45 | 0.89 | 2.94 | 0.47 | 2.68 | 0.56 | 1.61 | 0.24 | 1.65 | 0.27 |      |       |       |     |       |      |      |      |
| Core Reject Duplicates |                                  |      |      |      |      |      |      |      |      |      |      |      |      |      |       |       |     |       |      |      |      |
| 11-AAB-0434            | Rock                             | 1.15 | 4.7  | 1.01 | 0.22 | 0.89 | 0.14 | 0.84 | 0.16 | 0.41 | 0.05 | 0.32 | 0.05 | 1.0  | 1.4   | 3.1   | 7   | 5.3   | 5.0  | <0.1 | <0.1 |
| DUP 11-AAB-0434        | QC                               | 1.20 | 4.9  | 1.10 | 0.23 | 0.97 | 0.15 | 0.81 | 0.15 | 0.43 | 0.06 | 0.49 | 0.06 | 1.1  | 1.5   | 3.5   | 8   | 5.7   | 6.2  | <0.1 | <0.1 |
| 11-AAB-0411            | Rock                             | 8.40 | 27.4 | 4.56 | 0.99 | 3.41 | 0.48 | 2.84 | 0.49 | 1.39 | 0.25 | 1.54 | 0.26 | 0.1  | 3.4   | 6.8   | 47  | 2.9   | 2.0  | 0.1  | <0.1 |
| DUP 11-AAB-0411        | QC                               | 6.60 | 21.3 | 3.49 | 0.88 | 3.05 | 0.44 | 2.41 | 0.44 | 1.50 | 0.24 | 1.54 | 0.23 | 0.4  | 6.3   | 9.2   | 109 | 3.1   | 2.7  | 0.1  | 2.2  |
| Reference Materials    |                                  |      |      |      |      |      |      |      |      |      |      |      |      |      |       |       |     |       |      |      |      |
| STD DS8                | Standard                         |      |      |      |      |      |      |      |      |      |      |      |      | 14.1 | 109.9 | 121.2 | 307 | 38.9  | 24.1 | 2.5  | 4.6  |
| STD DS8                | Standard                         |      |      |      |      |      |      |      |      |      |      |      |      | 12.3 | 109.4 | 121.2 | 316 | 38.7  | 26.0 | 2.4  | 4.3  |
| STD DS8                | Standard                         |      |      |      |      |      |      |      |      |      |      |      |      | 10.4 | 121.3 | 128.0 | 304 | 37.1  | 25.7 | 2.3  | 4.6  |
| STD DS8                | Standard                         |      |      |      |      |      |      |      |      |      |      |      |      | 12.7 | 110.1 | 121.9 | 318 | 36.3  | 25.7 | 2.4  | 4.8  |
| STD OREAS45CA          | Standard                         |      |      |      |      |      |      |      |      |      |      |      |      | 0.7  | 516.0 | 18.8  | 61  | 244.1 | 3.5  | 0.1  | <0.1 |
| STD OREAS45CA          | Standard                         |      |      |      |      |      |      |      |      |      |      |      |      | 0.7  | 473.2 | 17.6  | 58  | 230.4 | 3.2  | 0.1  | <0.1 |
| STD OREAS45CA          | Standard                         |      |      |      |      |      |      |      |      |      |      |      |      | 0.8  | 396.6 | 21.1  | 57  | 185.3 | 2.9  | <0.1 | 0.1  |
| STD OREAS45CA          | Standard                         |      |      |      |      |      |      |      |      |      |      |      |      | 0.8  | 485.9 | 19.6  | 61  | 234.9 | 3.6  | 0.1  | <0.1 |
| STD SO-18              | Standard                         | 3.43 | 14.5 | 2.90 | 0.86 | 2.85 | 0.50 | 3.04 | 0.63 | 1.78 | 0.28 | 1.75 | 0.27 |      |       |       |     |       |      |      |      |
| STD SO-18              | Standard                         | 3.37 | 13.9 | 2.86 | 0.84 | 2.89 | 0.49 | 3.03 | 0.60 | 1.80 | 0.27 | 1.75 | 0.27 |      |       |       |     |       |      |      |      |



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**Project:** TING 2B

**Report Date:** November 23, 2011

**Page:** 1 of 2 **Part** 3

## QUALITY CONTROL REPORT

VAN11004232.1

| Method                 |          | 1DX  | 1DX  | 1DX   | 1DX   | 1DX  | 1DX  |
|------------------------|----------|------|------|-------|-------|------|------|
| Analyte                |          | Bi   | Ag   | Au    | Hg    | Tl   | Se   |
| Unit                   |          | ppm  | ppm  | ppb   | ppm   | ppm  | ppm  |
| MDL                    |          | 0.1  | 0.1  | 0.5   | 0.01  | 0.1  | 0.5  |
| Pulp Duplicates        |          |      |      |       |       |      |      |
| 11-J2-211              | Rock     | <0.1 | <0.1 | 0.5   | <0.01 | <0.1 | <0.5 |
| REP 11-J2-211          | QC       | <0.1 | <0.1 | <0.5  | <0.01 | <0.1 | <0.5 |
| 11-AAB-0432            | Rock     | <0.1 | <0.1 | <0.5  | 0.02  | <0.1 | <0.5 |
| REP 11-AAB-0432        | QC       |      |      |       |       |      |      |
| 11-WJH-050             | Rock     | <0.1 | <0.1 | <0.5  | <0.01 | 0.2  | <0.5 |
| REP 11-WJH-050         | QC       |      |      |       |       |      |      |
| 11-WJH-056             | Rock     | <0.1 | 0.6  | 2.1   | 0.09  | 0.3  | 1.3  |
| REP 11-WJH-056         | QC       | <0.1 | 0.6  | 1.8   | 0.07  | 0.3  | 1.9  |
| 11-AAB-0456            | Rock     | <0.1 | <0.1 | <0.5  | 0.01  | 0.3  | <0.5 |
| REP 11-AAB-0456        | QC       | <0.1 | <0.1 | 0.6   | 0.02  | 0.3  | <0.5 |
| 11-BCQ-0305            | Rock     | 0.9  | <0.1 | 1.9   | <0.01 | 0.2  | <0.5 |
| REP 11-BCQ-0305        | QC       |      |      |       |       |      |      |
| Core Reject Duplicates |          |      |      |       |       |      |      |
| 11-AAB-0434            | Rock     | <0.1 | 0.1  | 0.5   | 0.01  | <0.1 | <0.5 |
| DUP 11-AAB-0434        | QC       | <0.1 | 0.1  | <0.5  | <0.01 | 0.1  | <0.5 |
| 11-AAB-0411            | Rock     | 0.1  | <0.1 | <0.5  | <0.01 | 0.2  | 0.9  |
| DUP 11-AAB-0411        | QC       | 0.4  | 0.4  | 12.9  | <0.01 | 0.1  | <0.5 |
| Reference Materials    |          |      |      |       |       |      |      |
| STD DS8                | Standard | 6.5  | 1.7  | 122.2 | 0.19  | 5.2  | 4.6  |
| STD DS8                | Standard | 6.1  | 1.9  | 104.9 | 0.18  | 5.0  | 4.5  |
| STD DS8                | Standard | 7.4  | 1.7  | 97.5  | 0.19  | 5.2  | 4.6  |
| STD DS8                | Standard | 6.5  | 1.8  | 97.8  | 0.18  | 5.4  | 6.0  |
| STD OREAS45CA          | Standard | 0.2  | 0.3  | 40.5  | 0.02  | <0.1 | 0.8  |
| STD OREAS45CA          | Standard | 0.2  | 0.2  | 31.8  | 0.02  | <0.1 | <0.5 |
| STD OREAS45CA          | Standard | 0.2  | 0.3  | 32.5  | 0.03  | <0.1 | <0.5 |
| STD OREAS45CA          | Standard | 0.2  | 0.2  | 38.0  | 0.03  | <0.1 | 0.7  |
| STD SO-18              | Standard |      |      |       |       |      |      |
| STD SO-18              | Standard |      |      |       |       |      |      |



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Report Date:

November 23, 2011

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Part 1

## QUALITY CONTROL REPORT

VAN11004232.1

|                        |            | WGHT  | 4B   | 4B  | 4B   | 4B   | 4B   | 4B   | 4B   | 4B    | 4B  | 4B    | 4B   | 4B   | 4B   | 4B  | 4B   | 4B    | 4B   | 4B   |      |
|------------------------|------------|-------|------|-----|------|------|------|------|------|-------|-----|-------|------|------|------|-----|------|-------|------|------|------|
|                        |            | Wgt   | Ba   | Be  | Co   | Cs   | Ga   | Hf   | Nb   | Rb    | Sn  | Sr    | Ta   | Th   | U    | V   | W    | Zr    | Y    | La   | Ce   |
|                        |            | kg    | ppm  | ppm | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm | ppm   | ppm  | ppm  | ppm  | ppm | ppm  | ppm   | ppm  | ppm  | ppm  |
|                        |            | 0.01  | 1    | 1   | 0.2  | 0.1  | 0.5  | 0.1  | 0.1  | 0.1   | 1   | 0.5   | 0.1  | 0.2  | 0.1  | 8   | 0.5  | 0.1   | 0.1  | 0.1  | 0.1  |
| STD SO-18              | Standard   |       | 506  | <1  | 25.3 | 6.8  | 16.0 | 8.6  | 18.9 | 25.7  | 14  | 415.6 | 6.5  | 9.2  | 15.4 | 203 | 13.3 | 264.7 | 28.8 | 11.8 | 25.5 |
| STD SO-18              | Standard   |       | 515  | <1  | 26.9 | 6.8  | 16.4 | 8.9  | 19.8 | 26.8  | 14  | 419.8 | 6.8  | 9.7  | 16.0 | 212 | 14.0 | 275.6 | 28.9 | 12.4 | 26.8 |
| STD SO-18              | Standard   |       | 530  | <1  | 27.7 | 7.1  | 18.0 | 8.5  | 20.3 | 29.0  | 15  | 447.4 | 7.3  | 10.1 | 16.7 | 195 | 13.3 | 297.7 | 31.1 | 12.6 | 27.0 |
| STD SO-18              | Standard   |       | 537  | <1  | 27.2 | 7.1  | 17.9 | 8.5  | 20.4 | 29.1  | 15  | 438.2 | 7.1  | 10.2 | 16.8 | 193 | 13.3 | 299.3 | 31.6 | 13.0 | 27.3 |
| STD DS8 Expected       |            |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |       |      |      |      |
| STD OREAS45CA Expected |            |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |       |      |      |      |
| STD SO-18 Expected     |            |       | 514  | 1   | 26.2 | 7.1  | 17.6 | 9.8  | 21.3 | 28.7  | 15  | 407.4 | 7.4  | 9.9  | 16.4 | 200 | 14.8 | 280   | 31   | 12.3 | 27.1 |
| BLK                    | Blank      |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |       |      |      |      |
| BLK                    | Blank      |       | <1   | <1  | <0.2 | <0.1 | <0.5 | <0.1 | <0.1 | <0.1  | <1  | <0.5  | <0.1 | <0.2 | <0.1 | <8  | <0.5 | <0.1  | <0.1 | <0.1 | <0.1 |
| BLK                    | Blank      |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |       |      |      |      |
| BLK                    | Blank      |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |       |      |      |      |
| BLK                    | Blank      |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |       |      |      |      |
| BLK                    | Blank      |       | <1   | <1  | <0.2 | <0.1 | <0.5 | <0.1 | <0.1 | <0.1  | <1  | <0.5  | <0.1 | <0.2 | <0.1 | <8  | <0.5 | <0.1  | <0.1 | <0.1 | <0.1 |
| BLK                    | Blank      |       | <1   | <1  | <0.2 | <0.1 | <0.5 | <0.1 | <0.1 | <0.1  | <1  | <0.5  | <0.1 | <0.2 | <0.1 | <8  | <0.5 | <0.1  | <0.1 | <0.1 | <0.1 |
| Prep Wash              |            |       |      |     |      |      |      |      |      |       |     |       |      |      |      |     |      |       |      |      |      |
| G1                     | Prep Blank | <0.01 | 1251 | 3   | 4.1  | 3.8  | 18.2 | 4.0  | 23.7 | 123.2 | 2   | 852.1 | 1.3  | 9.0  | 2.8  | 53  | <0.5 | 148.9 | 16.3 | 35.6 | 68.6 |
| G1                     | Prep Blank | <0.01 | 1281 | <1  | 3.9  | 3.5  | 18.2 | 4.8  | 23.3 | 122.5 | 2   | 855.1 | 1.2  | 8.7  | 3.3  | 52  | <0.5 | 152.9 | 16.5 | 33.8 | 63.8 |



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Report Date: November 23, 2011

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## QUALITY CONTROL REPORT

VAN11004232.1

|                        |            | 4B<br>Pr<br>ppm<br>0.02 | 4B<br>Nd<br>ppm<br>0.3 | 4B<br>Sm<br>ppm<br>0.05 | 4B<br>Eu<br>ppm<br>0.02 | 4B<br>Gd<br>ppm<br>0.05 | 4B<br>Tb<br>ppm<br>0.01 | 4B<br>Dy<br>ppm<br>0.05 | 4B<br>Ho<br>ppm<br>0.02 | 4B<br>Er<br>ppm<br>0.03 | 4B<br>Tm<br>ppm<br>0.01 | 4B<br>Yb<br>ppm<br>0.05 | 4B<br>Lu<br>ppm<br>0.01 | 1DX<br>Mo<br>ppm<br>0.1 | 1DX<br>Cu<br>ppm<br>0.1 | 1DX<br>Pb<br>ppm<br>0.1 | 1DX<br>Zn<br>ppm<br>1 | 1DX<br>Ni<br>ppm<br>0.1 | 1DX<br>As<br>ppm<br>0.5 | 1DX<br>Cd<br>ppm<br>0.1 | 1DX<br>Sb<br>ppm<br>0.1 |
|------------------------|------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-----------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| STD SO-18              | Standard   | 3.13                    | 12.3                   | 2.73                    | 0.79                    | 2.78                    | 0.45                    | 2.74                    | 0.54                    | 1.68                    | 0.25                    | 1.57                    | 0.24                    |                         |                         |                         |                       |                         |                         |                         |                         |
| STD SO-18              | Standard   | 3.27                    | 13.9                   | 2.75                    | 0.81                    | 2.86                    | 0.46                    | 2.77                    | 0.58                    | 1.70                    | 0.26                    | 1.70                    | 0.26                    |                         |                         |                         |                       |                         |                         |                         |                         |
| STD SO-18              | Standard   | 3.36                    | 13.7                   | 2.81                    | 0.85                    | 2.92                    | 0.49                    | 2.94                    | 0.59                    | 1.76                    | 0.28                    | 1.73                    | 0.28                    |                         |                         |                         |                       |                         |                         |                         |                         |
| STD SO-18              | Standard   | 3.36                    | 14.1                   | 2.82                    | 0.86                    | 3.04                    | 0.51                    | 2.95                    | 0.61                    | 1.89                    | 0.29                    | 1.77                    | 0.28                    |                         |                         |                         |                       |                         |                         |                         |                         |
| STD DS8 Expected       |            |                         |                        |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         | 13.44                   | 110                     | 123                     | 312                   | 38.1                    | 26                      | 2.38                    | 4.8                     |
| STD OREAS45CA Expected |            |                         |                        |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         | 1                       | 494                     | 20                      | 60                    | 240                     | 3.8                     | 0.1                     | 0.13                    |
| STD SO-18 Expected     |            | 3.45                    | 14                     | 3                       | 0.89                    | 2.93                    | 0.53                    | 3                       | 0.62                    | 1.84                    | 0.27                    | 1.79                    | 0.27                    |                         |                         |                         |                       |                         |                         |                         |                         |
| BLK                    | Blank      |                         |                        |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         | <0.1                    | <0.1                    | <0.1                    | <1                    | <0.1                    | <0.5                    | <0.1                    | <0.1                    |
| BLK                    | Blank      | <0.02                   | <0.3                   | <0.05                   | <0.02                   | <0.05                   | <0.01                   | <0.05                   | <0.02                   | <0.03                   | <0.01                   | <0.05                   | <0.01                   |                         |                         |                         |                       |                         |                         |                         |                         |
| BLK                    | Blank      |                         |                        |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         | <0.1                    | <0.1                    | <0.1                    | <1                    | <0.1                    | <0.5                    | <0.1                    | <0.1                    |
| BLK                    | Blank      |                         |                        |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         | <0.1                    | <0.1                    | <0.1                    | <1                    | <0.1                    | <0.5                    | <0.1                    | <0.1                    |
| BLK                    | Blank      |                         |                        |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         | <0.1                    | <0.1                    | <0.1                    | <1                    | <0.1                    | <0.5                    | <0.1                    | <0.1                    |
| BLK                    | Blank      | <0.02                   | <0.3                   | <0.05                   | <0.02                   | <0.05                   | <0.01                   | <0.05                   | <0.02                   | <0.03                   | <0.01                   | <0.05                   | <0.01                   |                         |                         |                         |                       |                         |                         |                         |                         |
| BLK                    | Blank      | <0.02                   | <0.3                   | <0.05                   | <0.02                   | <0.05                   | <0.01                   | <0.05                   | <0.02                   | <0.03                   | <0.01                   | <0.05                   | <0.01                   |                         |                         |                         |                       |                         |                         |                         |                         |
| Prep Wash              |            |                         |                        |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         |                         |                       |                         |                         |                         |                         |
| G1                     | Prep Blank | 7.83                    | 27.5                   | 4.91                    | 1.14                    | 3.63                    | 0.50                    | 2.90                    | 0.59                    | 1.59                    | 0.27                    | 1.92                    | 0.27                    | 0.2                     | 2.5                     | 2.9                     | 48                    | 1.9                     | <0.5                    | <0.1                    | <0.1                    |
| G1                     | Prep Blank | 7.45                    | 28.3                   | 4.84                    | 1.12                    | 3.55                    | 0.52                    | 2.70                    | 0.58                    | 1.70                    | 0.25                    | 1.80                    | 0.27                    | 0.1                     | 2.3                     | 3.2                     | 47                    | 1.7                     | <0.5                    | <0.1                    | <0.1                    |



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## QUALITY CONTROL REPORT

VAN11004232.1

|                        |            | 1DX<br>Bi<br>ppm<br>0.1 | 1DX<br>Ag<br>ppm<br>0.1 | 1DX<br>Au<br>ppb<br>0.5 | 1DX<br>Hg<br>ppm<br>0.01 | 1DX<br>Tl<br>ppm<br>0.1 | 1DX<br>Se<br>ppm<br>0.5 |
|------------------------|------------|-------------------------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|
| STD SO-18              | Standard   |                         |                         |                         |                          |                         |                         |
| STD SO-18              | Standard   |                         |                         |                         |                          |                         |                         |
| STD SO-18              | Standard   |                         |                         |                         |                          |                         |                         |
| STD SO-18              | Standard   |                         |                         |                         |                          |                         |                         |
| STD DS8 Expected       |            | 6.67                    | 1.69                    | 107                     | 0.192                    | 5.4                     | 5.23                    |
| STD OREAS45CA Expected |            | 0.19                    | 0.275                   | 43                      | 0.03                     | 0.07                    | 0.5                     |
| STD SO-18 Expected     |            |                         |                         |                         |                          |                         |                         |
| BLK                    | Blank      | <0.1                    | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| BLK                    | Blank      |                         |                         |                         |                          |                         |                         |
| BLK                    | Blank      | <0.1                    | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| BLK                    | Blank      | <0.1                    | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| BLK                    | Blank      | <0.1                    | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| BLK                    | Blank      |                         |                         |                         |                          |                         |                         |
| BLK                    | Blank      |                         |                         |                         |                          |                         |                         |
| Prep Wash              |            |                         |                         |                         |                          |                         |                         |
| G1                     | Prep Blank | <0.1                    | <0.1                    | 1.6                     | <0.01                    | 0.3                     | <0.5                    |
| G1                     | Prep Blank | <0.1                    | <0.1                    | <0.5                    | <0.01                    | 0.3                     | <0.5                    |



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Submitted By: Allison Brand

Receiving Lab: Canada-Vancouver

Received: August 26, 2011

Report Date: November 22, 2011

Page: 1 of 6

## CERTIFICATE OF ANALYSIS

VAN11004233.1

### CLIENT JOB INFORMATION

Project: TING 2B  
Shipment ID: 51738171295  
P.O. Number  
Number of Samples: 139

### SAMPLE DISPOSAL

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

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

Invoice To: Harsbo Minerals Ltd.  
4758 Victory Street  
Burnaby BC V5J 1S2  
Canada

CC: David Turner  
Lee A. Groat  
Michael Burns  
Thomas Hasek

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description                     | Test Wgt (g) | Report Status | Lab |
|-------------|-------------------|--------------------------------------|--------------|---------------|-----|
| Dry at 60C  | 136               | Dry at 60C                           |              |               | VAN |
| SS80        | 136               | Dry at 60C sieve 100g to -80 mesh    |              |               | VAN |
| RJSV        | 136               | Saving all or part of Soil Reject    |              |               | VAN |
| 4B02        | 136               | LiBO2/Li2B4O7 fusion ICP-MS analysis | 0.2          | Completed     | VAN |

### ADDITIONAL COMMENTS



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



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Report Date: November 22, 2011

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## CERTIFICATE OF ANALYSIS

VAN11004233.1

|          | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B  | 4B   | 4B   | 4B   | 4B   | 4B   | 4B    | 4B  | 4B    | 4B  | 4B   | 4B  | 4B  | 4B  | 4B    | 4B   | 4B   |
|----------|----------------------------------|------|-----|------|------|------|------|------|-------|-----|-------|-----|------|-----|-----|-----|-------|------|------|
|          |                                  | Ba   | Be  | Co   | Cs   | Ga   | Hf   | Nb   | Rb    | Sn  | Sr    | Ta  | Th   | U   | V   | W   | Zr    | Y    | La   |
|          |                                  | ppm  | ppm | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm | ppm   | ppm | ppm  | ppm | ppm | ppm | ppm   | ppm  | ppm  |
|          |                                  | 1    | 1   | 0.2  | 0.1  | 0.5  | 0.1  | 0.1  | 0.1   | 1   | 0.5   | 0.1 | 0.2  | 0.1 | 8   | 0.5 | 0.1   | 0.1  | 0.1  |
| BCQ-0267 | Soil                             | 746  | <1  | 6.1  | 3.3  | 13.1 | 7.7  | 18.6 | 69.0  | 2   | 99.1  | 1.4 | 9.9  | 3.1 | 115 | 2.1 | 292.7 | 22.0 | 39.5 |
| BCQ-0270 | Soil                             | 619  | <1  | 6.4  | 2.6  | 11.5 | 6.4  | 16.5 | 59.4  | 2   | 85.6  | 1.1 | 8.8  | 2.7 | 100 | 1.3 | 228.0 | 20.2 | 32.9 |
| BCQ-0266 | Soil                             | 554  | <1  | 5.3  | 2.4  | 11.3 | 6.8  | 17.1 | 56.7  | 2   | 70.1  | 1.2 | 10.1 | 2.9 | 96  | 1.5 | 245.8 | 21.3 | 37.3 |
| BCQ-0264 | Soil                             | 805  | 1   | 6.5  | 3.0  | 12.9 | 7.9  | 17.9 | 62.5  | 2   | 85.1  | 1.3 | 9.3  | 3.0 | 119 | 2.1 | 283.2 | 19.5 | 36.0 |
| BCQ-0258 | Soil                             | 534  | 1   | 6.8  | 3.1  | 9.4  | 2.8  | 11.0 | 64.9  | 1   | 69.0  | 0.7 | 7.1  | 2.2 | 95  | 0.9 | 100.1 | 13.4 | 24.8 |
| BCQ-0260 | Soil                             | 1298 | 2   | 8.9  | 3.9  | 9.9  | 5.1  | 13.9 | 68.1  | 1   | 71.6  | 0.9 | 9.7  | 3.2 | 193 | 1.2 | 183.0 | 25.9 | 37.3 |
| BCQ-0268 | Soil                             | 525  | 1   | 4.0  | 1.8  | 5.3  | 3.4  | 9.1  | 35.4  | 1   | 68.3  | 0.6 | 5.0  | 1.7 | 86  | 0.8 | 118.6 | 13.1 | 20.2 |
| BCQ-0271 | Soil                             | 648  | 2   | 8.1  | 3.0  | 9.4  | 5.4  | 14.7 | 59.1  | 1   | 74.1  | 1.0 | 9.8  | 2.7 | 106 | 1.2 | 196.1 | 22.6 | 37.0 |
| BCQ-0269 | Soil                             | 983  | 3   | 12.6 | 4.5  | 13.4 | 6.1  | 19.5 | 81.2  | 2   | 53.7  | 1.2 | 13.4 | 3.8 | 161 | 1.2 | 219.5 | 25.2 | 44.3 |
| BCQ-0294 | Soil                             | 1256 | 1   | 2.4  | 2.3  | 10.2 | 7.6  | 10.3 | 44.3  | 1   | 152.3 | 0.8 | 6.1  | 3.8 | 169 | 1.0 | 265.6 | 18.2 | 30.0 |
| BCQ-0295 | Soil                             | 4195 | 2   | 1.4  | 8.7  | 16.8 | 4.1  | 11.6 | 115.0 | 2   | 96.1  | 0.9 | 8.6  | 5.1 | 388 | 1.0 | 145.7 | 18.7 | 33.2 |
| BCQ-0291 | Soil                             | 1189 | <1  | 3.2  | 3.7  | 13.4 | 8.0  | 17.3 | 76.7  | 2   | 85.9  | 1.3 | 9.7  | 4.0 | 209 | 1.5 | 280.2 | 21.3 | 38.5 |
| BCQ-0292 | Soil                             | 1503 | <1  | 2.1  | 3.6  | 13.3 | 7.4  | 11.4 | 66.1  | 2   | 122.5 | 0.9 | 6.9  | 3.6 | 225 | 1.5 | 260.6 | 15.8 | 26.7 |
| BCQ-0284 | Soil                             | 1826 | <1  | 2.0  | 4.5  | 15.9 | 6.7  | 17.0 | 73.8  | 3   | 104.5 | 1.2 | 10.5 | 3.9 | 233 | 1.8 | 240.3 | 28.5 | 47.1 |
| BCQ-0290 | Soil                             | 6040 | 2   | 1.6  | 12.0 | 20.6 | 5.1  | 15.2 | 146.9 | 2   | 113.5 | 0.9 | 12.2 | 6.8 | 459 | 1.3 | 194.4 | 19.5 | 40.7 |
| BCQ-0287 | Soil                             | 2054 | <1  | 2.6  | 4.9  | 12.8 | 8.1  | 18.7 | 94.9  | 3   | 93.7  | 1.2 | 10.4 | 3.9 | 219 | 1.7 | 291.6 | 23.7 | 40.2 |
| BCQ-0293 | Soil                             | 1164 | 1   | 2.4  | 3.0  | 10.7 | 9.0  | 13.4 | 57.0  | 2   | 71.3  | 1.0 | 7.5  | 3.7 | 213 | 1.2 | 308.4 | 18.8 | 33.3 |
| BCQ-0288 | Soil                             | 870  | <1  | 1.7  | 1.4  | 6.0  | 10.6 | 11.1 | 30.4  | 2   | 58.6  | 0.7 | 6.6  | 2.5 | 104 | 0.9 | 404.5 | 16.7 | 22.7 |
| BCQ-0296 | Soil                             | 1123 | <1  | 2.2  | 2.8  | 12.1 | 7.1  | 18.2 | 58.4  | 2   | 83.3  | 1.4 | 7.6  | 4.2 | 268 | 1.7 | 279.2 | 20.4 | 34.5 |
| BCQ-0289 | Soil                             | 1256 | <1  | 1.8  | 1.9  | 7.9  | 9.3  | 17.7 | 50.7  | 2   | 61.1  | 1.2 | 8.5  | 3.8 | 196 | 1.3 | 342.3 | 20.1 | 40.3 |
| BCQ-0286 | Soil                             | 1822 | <1  | 2.4  | 3.2  | 10.6 | 9.4  | 16.2 | 63.1  | 2   | 71.3  | 1.0 | 8.3  | 3.4 | 204 | 1.3 | 351.8 | 20.1 | 34.1 |
| J2-195   | Soil                             | 1093 | 2   | 14.7 | 3.6  | 12.9 | 7.1  | 18.3 | 71.8  | 2   | 100.0 | 1.2 | 11.0 | 3.5 | 183 | 1.6 | 254.2 | 27.8 | 40.2 |
| J2-203   | Soil                             | 425  | 1   | 6.7  | 3.0  | 9.1  | 7.4  | 22.1 | 62.8  | 2   | 64.8  | 1.3 | 9.9  | 3.0 | 74  | 1.0 | 264.0 | 22.3 | 38.8 |
| J2-198   | Soil                             | 2078 | <1  | 6.7  | 3.8  | 14.4 | 7.9  | 20.3 | 62.8  | 3   | 102.8 | 1.4 | 10.3 | 3.3 | 127 | 1.9 | 275.5 | 19.8 | 35.7 |
| J2-204   | Soil                             | 588  | 2   | 8.7  | 3.5  | 11.7 | 6.4  | 19.7 | 73.5  | 2   | 78.9  | 1.2 | 12.0 | 3.0 | 97  | 1.4 | 236.5 | 24.0 | 41.7 |
| J2-194   | Soil                             | 825  | 2   | 7.9  | 3.7  | 12.7 | 7.3  | 16.8 | 75.9  | 2   | 94.1  | 1.2 | 12.0 | 4.2 | 200 | 1.4 | 269.0 | 24.9 | 38.7 |
| J2-196   | Soil                             | 1172 | 2   | 23.4 | 4.3  | 13.0 | 7.8  | 26.2 | 85.4  | 2   | 53.8  | 1.7 | 11.3 | 4.2 | 283 | 1.3 | 287.0 | 34.8 | 41.4 |
| J2-209   | Soil                             | 833  | <1  | 6.8  | 3.7  | 14.5 | 7.9  | 22.3 | 78.5  | 3   | 121.5 | 1.6 | 11.1 | 3.3 | 115 | 1.6 | 289.4 | 22.7 | 41.9 |
| J2-208   | Soil                             | 729  | 2   | 10.7 | 3.9  | 14.1 | 8.4  | 24.6 | 85.0  | 2   | 106.0 | 1.6 | 13.8 | 3.6 | 112 | 1.5 | 302.2 | 27.3 | 48.9 |
| J2-206   | Soil                             | 814  | 2   | 10.3 | 4.1  | 14.6 | 7.6  | 19.4 | 85.0  | 3   | 109.0 | 1.3 | 13.4 | 3.3 | 119 | 1.8 | 275.2 | 27.9 | 47.6 |



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Report Date: November 22, 2011

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## CERTIFICATE OF ANALYSIS

VAN11004233.1

|          | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 1DX  | 1DX  | 1DX  | 1DX  | 1DX | 1DX   | 1DX  | 1DX  |
|----------|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-------|------|------|
|          |                                  | Nd   | Sm   | Eu   | Gd   | Tb   | Dy   | Ho   | Er   | Tm   | Yb   | Lu   | Mo   | Cu   | Pb   | Zn  | Ni    | As   | Cd   |
|          |                                  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm | ppm   | ppm  | ppm  |
|          |                                  | 0.3  | 0.05 | 0.02 | 0.05 | 0.01 | 0.05 | 0.02 | 0.03 | 0.01 | 0.05 | 0.01 | 0.1  | 0.1  | 0.1  | 1   | 0.1   | 0.5  | 0.1  |
| BCQ-0267 | Soil                             | 31.6 | 5.34 | 0.95 | 3.97 | 0.64 | 3.52 | 0.74 | 2.34 | 0.36 | 2.39 | 0.37 | 1.4  | 5.1  | 14.8 | 62  | 15.6  | 7.1  | 0.1  |
| BCQ-0270 | Soil                             | 25.5 | 4.69 | 0.86 | 3.74 | 0.63 | 3.36 | 0.70 | 2.08 | 0.34 | 2.02 | 0.33 | 0.9  | 5.5  | 15.8 | 43  | 14.4  | 6.3  | 0.2  |
| BCQ-0266 | Soil                             | 30.0 | 5.01 | 0.92 | 3.96 | 0.65 | 3.62 | 0.75 | 2.21 | 0.34 | 2.23 | 0.35 | 1.2  | 6.0  | 15.4 | 33  | 13.6  | 6.6  | 0.2  |
| BCQ-0264 | Soil                             | 26.0 | 4.49 | 0.84 | 3.68 | 0.60 | 3.37 | 0.69 | 2.13 | 0.34 | 2.23 | 0.32 | 1.4  | 5.9  | 15.5 | 65  | 12.7  | 5.7  | 0.3  |
| BCQ-0258 | Soil                             | 18.8 | 3.17 | 0.65 | 2.68 | 0.44 | 2.30 | 0.49 | 1.39 | 0.20 | 1.27 | 0.20 | 1.2  | 8.9  | 16.4 | 32  | 15.5  | 7.3  | 0.2  |
| BCQ-0260 | Soil                             | 31.0 | 5.86 | 1.14 | 5.01 | 0.81 | 4.51 | 0.92 | 2.66 | 0.38 | 2.45 | 0.38 | 4.2  | 15.1 | 16.3 | 99  | 28.4  | 12.7 | 0.6  |
| BCQ-0268 | Soil                             | 15.2 | 2.79 | 0.55 | 2.40 | 0.39 | 2.08 | 0.45 | 1.36 | 0.20 | 1.33 | 0.21 | 1.9  | 8.2  | 10.9 | 42  | 13.9  | 6.5  | 0.2  |
| BCQ-0271 | Soil                             | 29.2 | 5.44 | 1.07 | 4.46 | 0.71 | 3.77 | 0.77 | 2.14 | 0.34 | 2.07 | 0.33 | 1.5  | 10.1 | 16.4 | 51  | 21.7  | 7.8  | 0.4  |
| BCQ-0269 | Soil                             | 35.6 | 6.47 | 1.27 | 5.18 | 0.83 | 4.58 | 0.96 | 2.70 | 0.40 | 2.57 | 0.39 | 2.4  | 13.1 | 27.3 | 105 | 34.5  | 14.3 | 0.8  |
| BCQ-0294 | Soil                             | 22.9 | 4.03 | 0.75 | 3.11 | 0.52 | 3.01 | 0.63 | 1.79 | 0.28 | 1.87 | 0.27 | 11.3 | 12.1 | 9.4  | 25  | 6.2   | 8.9  | 0.1  |
| BCQ-0295 | Soil                             | 26.0 | 4.68 | 0.94 | 3.68 | 0.55 | 3.00 | 0.66 | 1.83 | 0.28 | 1.88 | 0.30 | 2.9  | 11.8 | 18.9 | 18  | 8.2   | 2.5  | 0.2  |
| BCQ-0291 | Soil                             | 29.0 | 4.77 | 0.86 | 3.78 | 0.61 | 3.50 | 0.77 | 2.20 | 0.36 | 2.26 | 0.35 | 6.4  | 10.9 | 13.7 | 41  | 9.2   | 10.1 | 0.1  |
| BCQ-0292 | Soil                             | 19.6 | 3.26 | 0.63 | 2.60 | 0.44 | 2.62 | 0.55 | 1.67 | 0.27 | 1.85 | 0.27 | 5.9  | 10.0 | 12.0 | 22  | 5.7   | 5.9  | 0.1  |
| BCQ-0284 | Soil                             | 40.9 | 6.44 | 1.11 | 4.87 | 0.79 | 4.29 | 1.00 | 2.82 | 0.42 | 2.79 | 0.43 | 5.1  | 13.2 | 19.9 | 43  | 8.3   | 18.1 | <0.1 |
| BCQ-0290 | Soil                             | 30.6 | 5.41 | 1.06 | 4.25 | 0.61 | 3.12 | 0.65 | 1.93 | 0.34 | 2.21 | 0.35 | 6.0  | 19.5 | 18.9 | 25  | 8.6   | 7.7  | 0.1  |
| BCQ-0287 | Soil                             | 30.9 | 5.24 | 0.94 | 4.23 | 0.70 | 4.00 | 0.83 | 2.56 | 0.39 | 2.52 | 0.39 | 5.7  | 7.8  | 13.5 | 38  | 7.4   | 8.2  | 0.1  |
| BCQ-0293 | Soil                             | 25.5 | 4.28 | 0.70 | 3.11 | 0.53 | 3.09 | 0.65 | 1.95 | 0.30 | 1.97 | 0.31 | 11.9 | 11.0 | 11.0 | 29  | 7.2   | 11.6 | <0.1 |
| BCQ-0288 | Soil                             | 17.4 | 2.92 | 0.52 | 2.54 | 0.44 | 2.66 | 0.60 | 1.73 | 0.28 | 1.83 | 0.30 | 3.8  | 4.9  | 5.7  | 20  | 5.3   | 6.7  | <0.1 |
| BCQ-0296 | Soil                             | 24.5 | 4.08 | 0.69 | 3.24 | 0.55 | 2.93 | 0.65 | 2.01 | 0.31 | 1.97 | 0.32 | 17.2 | 11.4 | 15.4 | 47  | 9.4   | 14.5 | 0.2  |
| BCQ-0289 | Soil                             | 30.6 | 4.82 | 0.78 | 3.46 | 0.55 | 3.44 | 0.65 | 2.04 | 0.33 | 1.92 | 0.33 | 9.0  | 8.6  | 9.7  | 29  | 6.2   | 8.7  | 0.1  |
| BCQ-0286 | Soil                             | 25.3 | 4.03 | 0.70 | 3.20 | 0.53 | 3.25 | 0.71 | 2.14 | 0.34 | 2.18 | 0.35 | 5.4  | 9.2  | 11.2 | 38  | 8.2   | 9.6  | 0.1  |
| J2-195   | Soil                             | 31.7 | 5.84 | 1.15 | 4.95 | 0.81 | 4.51 | 0.95 | 2.70 | 0.42 | 2.80 | 0.41 | 1.8  | 31.5 | 18.3 | 224 | 40.1  | 9.9  | 8.4  |
| J2-203   | Soil                             | 30.9 | 5.23 | 1.06 | 4.53 | 0.70 | 3.72 | 0.76 | 2.18 | 0.34 | 2.18 | 0.34 | 0.7  | 8.7  | 29.1 | 102 | 15.0  | 11.0 | 0.7  |
| J2-198   | Soil                             | 27.1 | 4.55 | 0.82 | 3.63 | 0.59 | 3.42 | 0.74 | 2.10 | 0.34 | 2.18 | 0.34 | 1.6  | 8.7  | 24.5 | 161 | 16.5  | 8.0  | 4.8  |
| J2-204   | Soil                             | 31.2 | 5.68 | 1.09 | 4.54 | 0.76 | 4.11 | 0.79 | 2.38 | 0.37 | 2.21 | 0.35 | 0.8  | 8.9  | 25.9 | 63  | 20.4  | 11.5 | 0.3  |
| J2-194   | Soil                             | 30.6 | 5.34 | 1.04 | 4.50 | 0.73 | 3.95 | 0.82 | 2.61 | 0.39 | 2.42 | 0.38 | 2.7  | 20.8 | 15.7 | 363 | 37.6  | 9.9  | 9.3  |
| J2-196   | Soil                             | 33.7 | 6.38 | 1.35 | 5.71 | 0.94 | 5.26 | 1.10 | 3.13 | 0.49 | 3.19 | 0.50 | 4.3  | 34.8 | 29.7 | 623 | 115.5 | 20.9 | 10.5 |
| J2-209   | Soil                             | 31.9 | 5.47 | 0.97 | 4.24 | 0.70 | 4.01 | 0.81 | 2.41 | 0.38 | 2.48 | 0.38 | 0.7  | 5.9  | 17.0 | 127 | 12.7  | 4.2  | 1.1  |
| J2-208   | Soil                             | 36.0 | 6.62 | 1.24 | 5.41 | 0.87 | 4.80 | 0.98 | 2.73 | 0.42 | 2.82 | 0.42 | 0.9  | 11.9 | 22.1 | 105 | 28.4  | 11.9 | 1.1  |
| J2-206   | Soil                             | 37.8 | 6.57 | 1.27 | 5.37 | 0.88 | 5.00 | 1.04 | 2.91 | 0.44 | 2.87 | 0.43 | 0.8  | 11.6 | 20.9 | 169 | 39.9  | 10.6 | 3.4  |



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**Project:** TING 2B

**Report Date:** November 22, 2011

**Page:** 2 of 6 **Part** 3

## CERTIFICATE OF ANALYSIS

VAN11004233.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX  | 1DX  | 1DX  | 1DX  | 1DX  |
|----------|----------------------------------|------|------|------|------|------|
|          |                                  | Ag   | Au   | Hg   | Tl   | Se   |
|          |                                  | ppm  | ppb  | ppm  | ppm  | ppm  |
|          |                                  | 0.1  | 0.5  | 0.01 | 0.1  | 0.5  |
| BCQ-0267 | Soil                             | <0.1 | 1.4  | 0.02 | 0.1  | <0.5 |
| BCQ-0270 | Soil                             | <0.1 | 1.3  | 0.02 | 0.1  | <0.5 |
| BCQ-0266 | Soil                             | <0.1 | 0.9  | 0.04 | <0.1 | <0.5 |
| BCQ-0264 | Soil                             | <0.1 | 1.3  | 0.04 | 0.1  | <0.5 |
| BCQ-0258 | Soil                             | 0.1  | 2.5  | 0.07 | <0.1 | 0.6  |
| BCQ-0260 | Soil                             | 0.7  | 3.7  | 0.12 | 0.2  | 1.1  |
| BCQ-0268 | Soil                             | 0.1  | 1.3  | 0.03 | <0.1 | 0.6  |
| BCQ-0271 | Soil                             | 0.1  | 1.8  | 0.03 | 0.1  | <0.5 |
| BCQ-0269 | Soil                             | 0.1  | 1.4  | 0.05 | 0.2  | 0.5  |
| BCQ-0294 | Soil                             | 0.3  | 1.3  | 0.08 | 0.2  | 1.9  |
| BCQ-0295 | Soil                             | 2.4  | 4.3  | 0.36 | 0.3  | 2.3  |
| BCQ-0291 | Soil                             | 0.7  | 1.2  | 0.07 | 0.3  | 1.5  |
| BCQ-0292 | Soil                             | 0.6  | 1.4  | 0.05 | 0.2  | 1.1  |
| BCQ-0284 | Soil                             | 0.5  | 0.9  | 0.04 | 0.2  | 3.5  |
| BCQ-0290 | Soil                             | 2.2  | 3.9  | 0.38 | 0.4  | 3.5  |
| BCQ-0287 | Soil                             | 0.3  | 1.3  | 0.03 | 0.2  | 1.7  |
| BCQ-0293 | Soil                             | 0.4  | 2.1  | 0.05 | 0.2  | 2.1  |
| BCQ-0288 | Soil                             | 0.3  | 0.9  | 0.04 | <0.1 | 1.0  |
| BCQ-0296 | Soil                             | 0.2  | 0.6  | 0.03 | 0.4  | 2.8  |
| BCQ-0289 | Soil                             | 0.2  | 1.4  | 0.03 | 0.2  | 2.4  |
| BCQ-0286 | Soil                             | 0.8  | 1.6  | 0.03 | 0.2  | 2.2  |
| J2-195   | Soil                             | 0.5  | 0.6  | 0.08 | 0.4  | 1.2  |
| J2-203   | Soil                             | <0.1 | 0.6  | 0.06 | 0.1  | <0.5 |
| J2-198   | Soil                             | <0.1 | 0.6  | 0.03 | 0.2  | <0.5 |
| J2-204   | Soil                             | <0.1 | 10.5 | 0.04 | 0.1  | <0.5 |
| J2-194   | Soil                             | 0.1  | 1.1  | 0.05 | 0.3  | 1.4  |
| J2-196   | Soil                             | 0.9  | 1.5  | 0.08 | 1.0  | 2.5  |
| J2-209   | Soil                             | <0.1 | 0.9  | 0.02 | 0.2  | <0.5 |
| J2-208   | Soil                             | <0.1 | 2.1  | 0.02 | 0.2  | <0.5 |
| J2-206   | Soil                             | 0.1  | 1.8  | 0.06 | 0.2  | <0.5 |



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Report Date: November 22, 2011

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## CERTIFICATE OF ANALYSIS

VAN11004233.1

|          | Method<br>Analyte<br>Unit<br>MDL | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     |
|----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|          |                                  | Ba     | Be     | Co     | Cs     | Ga     | Hf     | Nb     | Rb     | Sn     | Sr     | Ta     | Th     | U      | V      | W      | Zr     | Y      | La     | Ce     |
|          |                                  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| J2-197   | Soil                             | 1968   | 2      | 15.1   | 3.7    | 12.0   | 5.9    | 17.1   | 73.9   | 2      | 67.7   | 1.3    | 9.3    | 4.9    | 469    | 1.4    | 225.5  | 34.2   | 35.7   | 69.8   |
| J2-200   | Soil                             | 626    | 2      | 9.6    | 4.0    | 13.4   | 6.8    | 27.5   | 85.0   | 3      | 83.7   | 1.6    | 12.9   | 3.6    | 106    | 1.4    | 242.5  | 24.9   | 47.0   | 85.0   |
| J2-192   | Soil                             | 1032   | <1     | 20.5   | 3.9    | 12.4   | 9.0    | 25.4   | 83.1   | 2      | 69.3   | 1.6    | 12.1   | 4.0    | 162    | 1.7    | 319.6  | 37.6   | 45.9   | 92.5   |
| J2-191   | Soil                             | 877    | 1      | 12.5   | 3.1    | 10.9   | 6.6    | 16.9   | 70.7   | 2      | 85.5   | 1.1    | 9.8    | 3.8    | 122    | 1.3    | 227.7  | 22.8   | 34.4   | 67.6   |
| WJH-045  | Soil                             | 1198   | 1      | 5.6    | 5.5    | 13.9   | 8.1    | 19.1   | 92.0   | 3      | 93.3   | 1.3    | 10.5   | 3.2    | 188    | 2.3    | 297.5  | 21.9   | 41.4   | 79.8   |
| WJH-054  | Soil                             | 1089   | 2      | 8.7    | 2.9    | 9.1    | 6.0    | 18.1   | 60.1   | 1      | 71.5   | 1.0    | 8.4    | 6.1    | 515    | 1.5    | 237.0  | 29.4   | 35.7   | 64.8   |
| WJH-051  | Soil                             | 1348   | 3      | 10.0   | 5.1    | 11.8   | 6.2    | 18.4   | 74.7   | 2      | 102.2  | 1.2    | 9.2    | 4.6    | 282    | 1.3    | 228.1  | 34.0   | 35.5   | 64.9   |
| WJH-049  | Soil                             | 1157   | 2      | 9.1    | 3.7    | 11.7   | 6.0    | 16.7   | 74.3   | 2      | 101.9  | 1.2    | 9.3    | 4.4    | 271    | 1.4    | 207.4  | 29.0   | 36.4   | 65.3   |
| WJH-053  | Soil                             | 1493   | 2      | 10.8   | 3.4    | 9.5    | 6.1    | 15.8   | 64.2   | 2      | 72.0   | 1.1    | 8.7    | 5.1    | 355    | 1.2    | 211.2  | 31.7   | 34.2   | 62.9   |
| WJH-047  | Soil                             | 1305   | 2      | 9.9    | 3.4    | 9.8    | 7.3    | 19.3   | 67.1   | 2      | 57.5   | 1.3    | 9.4    | 5.1    | 399    | 1.1    | 265.2  | 33.9   | 39.6   | 73.5   |
| WJH-067  | Soil                             | 4506   | 1      | 10.8   | 4.9    | 13.7   | 7.1    | 18.0   | 85.5   | 2      | 68.4   | 1.2    | 8.6    | 4.3    | 723    | 1.6    | 230.8  | 23.7   | 32.6   | 61.0   |
| WJH-061  | Soil                             | 2532   | 2      | 9.5    | 3.4    | 10.2   | 7.5    | 18.6   | 72.0   | 2      | 60.1   | 1.2    | 10.0   | 6.0    | 538    | 1.4    | 281.5  | 41.0   | 42.0   | 77.1   |
| WJH-057  | Soil                             | 2159   | 2      | 27.3   | 2.2    | 6.4    | 11.9   | 14.7   | 43.0   | 1      | 49.4   | 0.9    | 10.3   | 14.2   | 352    | 1.7    | 442.2  | 85.3   | 48.5   | 83.5   |
| WJH-058  | Soil                             | 5324   | 3      | 12.2   | 5.4    | 7.4    | 5.7    | 7.7    | 56.2   | 1      | 84.2   | 0.5    | 6.3    | 6.5    | 579    | 0.7    | 214.5  | 47.6   | 33.4   | 51.7   |
| WJH-063  | Soil                             | 2951   | 2      | 8.4    | 3.9    | 12.8   | 6.6    | 16.0   | 80.7   | 3      | 71.1   | 1.0    | 9.1    | 3.8    | 568    | 1.6    | 248.2  | 19.1   | 33.2   | 59.5   |
| WJH-065  | Soil                             | 9211   | 3      | 6.1    | 4.2    | 12.5   | 3.1    | 8.9    | 92.2   | 2      | 52.8   | 0.6    | 6.0    | 5.6    | 1373   | 1.1    | 105.5  | 14.7   | 23.4   | 32.8   |
| WJH-055  | Soil                             | 855    | 2      | 11.4   | 3.8    | 13.5   | 7.1    | 20.4   | 77.2   | 2      | 85.3   | 1.3    | 10.2   | 3.7    | 243    | 1.7    | 261.2  | 21.7   | 36.3   | 76.7   |
| WJH-067  | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| WJH-062  | Soil                             | 2599   | 2      | 12.9   | 6.0    | 13.5   | 7.1    | 14.3   | 100.8  | 2      | 35.7   | 0.9    | 10.9   | 6.3    | 1056   | 1.2    | 261.1  | 44.9   | 41.7   | 76.3   |
| AAB-0413 | Soil                             | 10114  | 2      | 11.7   | 6.3    | 11.2   | 8.1    | 11.4   | 94.6   | 2      | 50.2   | 0.8    | 10.6   | 7.8    | 531    | 1.1    | 282.0  | 56.5   | 47.1   | 73.6   |
| AAB-0415 | Soil                             | 1847   | 3      | 7.6    | 3.5    | 11.6   | 8.0    | 15.4   | 72.2   | 2      | 75.1   | 1.1    | 9.7    | 3.3    | 211    | 1.5    | 288.5  | 20.8   | 39.2   | 76.5   |
| AAB-0410 | Soil                             | 2666   | 1      | 5.4    | 3.9    | 11.9   | 8.3    | 14.6   | 84.2   | 2      | 84.1   | 1.0    | 9.5    | 3.9    | 219    | 1.7    | 284.4  | 25.0   | 36.3   | 68.4   |
| AAB-0409 | Soil                             | 5897   | 1      | 6.2    | 3.9    | 10.2   | 5.6    | 10.1   | 63.8   | 1      | 66.0   | 0.8    | 7.8    | 6.1    | 347    | 1.0    | 206.7  | 25.8   | 29.0   | 52.9   |
| AAB-0421 | Soil                             | 3485   | 1      | 5.2    | 2.7    | 9.5    | 7.5    | 13.5   | 58.3   | 2      | 56.9   | 0.9    | 8.8    | 4.6    | 266    | 1.4    | 269.6  | 22.4   | 36.7   | 68.3   |
| AAB-0414 | Soil                             | 1537   | <1     | 3.4    | 3.0    | 11.8   | 8.6    | 15.4   | 68.4   | 2      | 72.9   | 1.1    | 9.2    | 3.4    | 194    | 1.5    | 300.4  | 22.4   | 38.1   | 69.8   |
| AAB-0417 | Soil                             | 1978   | <1     | 3.2    | 3.3    | 10.5   | 8.1    | 15.1   | 68.6   | 2      | 70.2   | 1.0    | 8.5    | 3.5    | 239    | 1.4    | 275.0  | 21.8   | 34.6   | 64.4   |
| AAB-0419 | Soil                             | 2923   | 1      | 7.1    | 3.3    | 10.1   | 6.3    | 11.4   | 59.6   | 2      | 78.3   | 0.8    | 8.7    | 4.5    | 207    | 1.0    | 224.0  | 23.0   | 32.6   | 60.6   |
| AAB-0418 | Soil                             | 2233   | 1      | 6.6    | 2.9    | 11.6   | 9.5    | 16.3   | 61.6   | 2      | 91.1   | 1.2    | 11.6   | 3.5    | 148    | 1.3    | 354.0  | 23.7   | 47.3   | 90.0   |
| AAB-0423 | Soil                             | 4248   | 2      | 7.5    | 3.6    | 12.0   | 6.8    | 18.1   | 75.3   | 2      | 77.8   | 1.1    | 10.7   | 5.6    | 289    | 1.2    | 252.1  | 32.8   | 39.6   | 68.3   |
| AAB-0422 | Soil                             | 4687   | 1      | 8.9    | 3.2    | 11.6   | 6.2    | 13.6   | 72.4   | 2      | 71.5   | 0.9    | 9.4    | 5.8    | 272    | 1.3    | 217.6  | 26.5   | 35.6   | 65.4   |



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Report Date: November 22, 2011

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## CERTIFICATE OF ANALYSIS

VAN11004233.1

|          | Method<br>Analyte<br>Unit<br>MDL | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 1DX    | 1DX    | 1DX    | 1DX    | 1DX    | 1DX    | 1DX    | 1DX    |
|----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|          |                                  | Nd     | Sm     | Eu     | Gd     | Tb     | Dy     | Ho     | Er     | Tm     | Yb     | Lu     | Mo     | Cu     | Pb     | Zn     | Ni     | As     | Cd     |
|          |                                  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
|          |                                  | 0.3    | 0.05   | 0.02   | 0.05   | 0.01   | 0.05   | 0.02   | 0.03   | 0.01   | 0.05   | 0.01   | 0.1    | 0.1    | 0.1    | 1      | 0.1    | 0.5    | 0.1    |
| J2-197   | Soil                             | 29.2   | 5.35   | 1.06   | 4.96   | 0.80   | 4.70   | 1.02   | 3.01   | 0.46   | 3.05   | 0.48   | 6.7    | 49.3   | 23.8   | 417    | 62.1   | 13.5   | 23.0   |
| J2-200   | Soil                             | 34.4   | 5.88   | 1.17   | 4.86   | 0.76   | 4.26   | 0.87   | 2.40   | 0.37   | 2.49   | 0.36   | 0.9    | 12.4   | 44.6   | 114    | 21.2   | 13.0   | 0.8    |
| J2-192   | Soil                             | 38.1   | 7.07   | 1.46   | 6.35   | 1.03   | 6.21   | 1.22   | 3.50   | 0.52   | 3.44   | 0.51   | 4.1    | 29.3   | 34.3   | 762    | 134.6  | 22.6   | 11.9   |
| J2-191   | Soil                             | 27.7   | 4.93   | 0.99   | 4.16   | 0.68   | 3.82   | 0.80   | 2.30   | 0.36   | 2.23   | 0.33   | 2.3    | 19.3   | 20.1   | 349    | 43.4   | 11.0   | 10.7   |
| WJH-045  | Soil                             | 30.4   | 5.03   | 0.90   | 4.05   | 0.66   | 3.78   | 0.77   | 2.22   | 0.37   | 2.46   | 0.37   | 2.6    | 7.8    | 12.0   | 153    | 14.9   | 7.0    | 4.7    |
| WJH-054  | Soil                             | 28.9   | 5.40   | 1.11   | 4.69   | 0.76   | 4.51   | 0.93   | 2.79   | 0.42   | 2.83   | 0.42   | 19.4   | 32.7   | 21.1   | 434    | 72.8   | 22.0   | 6.4    |
| WJH-051  | Soil                             | 30.7   | 5.58   | 1.26   | 5.08   | 0.83   | 4.92   | 1.07   | 3.01   | 0.46   | 2.89   | 0.45   | 6.5    | 34.9   | 20.2   | 362    | 54.6   | 13.6   | 7.0    |
| WJH-049  | Soil                             | 30.3   | 5.27   | 1.15   | 4.53   | 0.77   | 4.47   | 0.93   | 2.70   | 0.40   | 2.50   | 0.40   | 7.0    | 41.6   | 23.7   | 371    | 61.4   | 16.5   | 6.5    |
| WJH-053  | Soil                             | 28.7   | 5.03   | 1.05   | 4.61   | 0.76   | 4.56   | 0.95   | 2.87   | 0.42   | 2.72   | 0.45   | 12.4   | 48.8   | 21.8   | 449    | 60.4   | 18.3   | 7.7    |
| WJH-047  | Soil                             | 34.1   | 6.26   | 1.32   | 5.43   | 0.88   | 5.06   | 1.07   | 3.15   | 0.46   | 2.89   | 0.45   | 12.8   | 27.1   | 23.9   | 419    | 63.3   | 21.2   | 7.3    |
| WJH-067  | Soil                             | 24.3   | 4.12   | 0.81   | 3.57   | 0.59   | 3.64   | 0.75   | 2.45   | 0.36   | 2.51   | 0.38   | 4.2    | 24.0   | 24.2   | 670    | 50.4   | 14.3   | 7.9    |
| WJH-061  | Soil                             | 37.5   | 6.78   | 1.39   | 6.19   | 0.98   | 6.03   | 1.24   | 3.54   | 0.51   | 3.21   | 0.53   | 16.1   | 43.3   | 24.6   | 603    | 99.6   | 22.5   | 10.3   |
| WJH-057  | Soil                             | 40.4   | 7.58   | 1.70   | 8.78   | 1.37   | 8.60   | 1.93   | 5.82   | 0.79   | 4.96   | 0.83   | 22.0   | 88.8   | 117.5  | 3418   | 625.8  | 45.7   | 29.9   |
| WJH-058  | Soil                             | 28.9   | 5.84   | 1.30   | 6.15   | 0.97   | 5.62   | 1.27   | 3.64   | 0.52   | 3.23   | 0.51   | 15.2   | 117.5  | 75.0   | 3795   | 568.3  | 22.7   | 76.7   |
| WJH-063  | Soil                             | 24.1   | 3.70   | 0.69   | 3.06   | 0.51   | 2.86   | 0.66   | 2.02   | 0.33   | 2.14   | 0.33   | 6.4    | 15.9   | 23.5   | 365    | 38.9   | 14.2   | 4.4    |
| WJH-065  | Soil                             | 14.9   | 2.36   | 0.41   | 1.97   | 0.32   | 1.99   | 0.44   | 1.38   | 0.23   | 1.60   | 0.26   | 13.9   | 49.6   | 29.5   | 660    | 104.6  | 21.3   | 7.7    |
| WJH-055  | Soil                             | 27.6   | 4.65   | 0.87   | 3.79   | 0.60   | 3.67   | 0.76   | 2.29   | 0.34   | 2.21   | 0.34   | 7.0    | 13.2   | 33.5   | 184    | 33.8   | 18.8   | 2.4    |
| WJH-067  | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| WJH-062  | Soil                             | 39.9   | 7.12   | 1.45   | 6.63   | 1.08   | 6.14   | 1.34   | 3.92   | 0.60   | 3.95   | 0.61   | 17.4   | 64.0   | 20.9   | 860    | 157.8  | 25.2   | 13.1   |
| AAB-0413 | Soil                             | 39.4   | 7.87   | 1.77   | 7.78   | 1.24   | 7.07   | 1.53   | 4.52   | 0.64   | 4.16   | 0.64   | 3.5    | 39.2   | 54.5   | 358    | 59.2   | 10.9   | 2.9    |
| AAB-0415 | Soil                             | 31.6   | 5.66   | 0.94   | 3.99   | 0.61   | 3.55   | 0.75   | 2.04   | 0.32   | 2.15   | 0.34   | 5.2    | 14.3   | 13.7   | 113    | 24.9   | 12.0   | 0.5    |
| AAB-0410 | Soil                             | 27.7   | 4.87   | 0.80   | 3.81   | 0.63   | 3.69   | 0.84   | 2.47   | 0.39   | 2.49   | 0.40   | 3.2    | 20.6   | 13.9   | 93     | 16.7   | 7.0    | 1.2    |
| AAB-0409 | Soil                             | 24.2   | 4.51   | 0.87   | 4.09   | 0.66   | 3.83   | 0.91   | 2.43   | 0.35   | 2.19   | 0.34   | 6.8    | 55.7   | 12.2   | 146    | 35.2   | 11.7   | 1.0    |
| AAB-0421 | Soil                             | 29.8   | 4.78   | 0.89   | 3.79   | 0.61   | 3.55   | 0.77   | 2.24   | 0.34   | 2.21   | 0.35   | 6.0    | 17.0   | 11.5   | 118    | 21.1   | 9.7    | 0.6    |
| AAB-0414 | Soil                             | 27.9   | 4.69   | 0.85   | 3.80   | 0.62   | 3.64   | 0.77   | 2.28   | 0.35   | 2.41   | 0.36   | 4.8    | 10.3   | 11.3   | 67     | 12.5   | 9.9    | 0.5    |
| AAB-0417 | Soil                             | 26.5   | 4.27   | 0.75   | 3.51   | 0.58   | 3.40   | 0.75   | 2.17   | 0.34   | 2.35   | 0.35   | 4.6    | 11.5   | 11.6   | 74     | 13.9   | 7.9    | 0.4    |
| AAB-0419 | Soil                             | 25.6   | 4.66   | 0.82   | 4.00   | 0.65   | 3.64   | 0.74   | 2.18   | 0.33   | 2.15   | 0.34   | 3.2    | 19.5   | 14.6   | 94     | 20.9   | 9.0    | 1.3    |
| AAB-0418 | Soil                             | 36.4   | 5.98   | 1.01   | 4.60   | 0.72   | 3.98   | 0.82   | 2.23   | 0.37   | 2.24   | 0.36   | 2.4    | 13.4   | 15.8   | 68     | 16.1   | 9.1    | 0.6    |
| AAB-0423 | Soil                             | 31.5   | 5.82   | 1.16   | 5.35   | 0.89   | 4.90   | 1.09   | 3.24   | 0.48   | 2.94   | 0.47   | 3.1    | 20.9   | 12.6   | 193    | 43.6   | 9.4    | 1.8    |
| AAB-0422 | Soil                             | 29.5   | 5.12   | 0.94   | 4.26   | 0.72   | 4.20   | 0.88   | 2.63   | 0.38   | 2.38   | 0.39   | 6.8    | 21.3   | 13.3   | 133    | 25.1   | 10.6   | 1.0    |



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**Report Date:** November 22, 2011

**Page:** 3 of 6 **Part** 3

## CERTIFICATE OF ANALYSIS

VAN11004233.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX    | 1DX    | 1DX    | 1DX    | 1DX    |
|----------|----------------------------------|--------|--------|--------|--------|--------|
|          |                                  | Ag     | Au     | Hg     | Tl     | Se     |
|          |                                  | ppm    | ppb    | ppm    | ppm    | ppm    |
|          |                                  | 0.1    | 0.5    | 0.01   | 0.1    | 0.5    |
| J2-197   | Soil                             | 1.3    | 2.6    | 0.15   | 0.6    | 2.7    |
| J2-200   | Soil                             | <0.1   | 1.1    | 0.02   | 0.2    | <0.5   |
| J2-192   | Soil                             | 0.5    | 1.0    | 0.06   | 0.8    | 1.9    |
| J2-191   | Soil                             | 0.3    | 0.8    | 0.11   | 0.3    | 0.9    |
| WJH-045  | Soil                             | 0.1    | 0.9    | <0.01  | 0.3    | 0.6    |
| WJH-054  | Soil                             | 0.7    | 1.5    | 0.09   | 0.9    | 3.8    |
| WJH-051  | Soil                             | 0.4    | 0.8    | 0.08   | 0.4    | 1.8    |
| WJH-049  | Soil                             | 0.5    | <0.5   | 0.08   | 0.4    | 1.5    |
| WJH-053  | Soil                             | 0.3    | <0.5   | 0.08   | 0.5    | 1.6    |
| WJH-047  | Soil                             | 0.5    | <0.5   | 0.07   | 0.5    | 2.9    |
| WJH-067  | Soil                             | 1.0    | <0.5   | 0.06   | 0.4    | 1.0    |
| WJH-061  | Soil                             | 1.8    | 0.6    | 0.17   | 0.9    | 4.1    |
| WJH-057  | Soil                             | 1.2    | <0.5   | 0.29   | 1.3    | 1.5    |
| WJH-058  | Soil                             | 1.6    | <0.5   | 0.24   | 4.5    | 5.3    |
| WJH-063  | Soil                             | 1.9    | <0.5   | 0.05   | 0.4    | 1.2    |
| WJH-065  | Soil                             | 3.7    | 1.3    | 0.10   | 1.0    | 7.6    |
| WJH-055  | Soil                             | 0.1    | <0.5   | 0.03   | 0.4    | 1.1    |
| WJH-067  | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| WJH-062  | Soil                             | 1.2    | 1.4    | 0.15   | 0.9    | 5.3    |
| AAB-0413 | Soil                             | 1.5    | <0.5   | 0.29   | 0.9    | 2.2    |
| AAB-0415 | Soil                             | 0.3    | <0.5   | 0.01   | 0.1    | 1.5    |
| AAB-0410 | Soil                             | 0.3    | <0.5   | 0.02   | 0.1    | 0.7    |
| AAB-0409 | Soil                             | 1.0    | <0.5   | 0.16   | 0.2    | 3.8    |
| AAB-0421 | Soil                             | 0.2    | <0.5   | 0.04   | 0.1    | 2.1    |
| AAB-0414 | Soil                             | 0.1    | <0.5   | 0.02   | 0.1    | 0.7    |
| AAB-0417 | Soil                             | 0.1    | <0.5   | <0.01  | 0.1    | 1.1    |
| AAB-0419 | Soil                             | 0.4    | <0.5   | 0.06   | 0.1    | 1.5    |
| AAB-0418 | Soil                             | 0.5    | <0.5   | 0.03   | <0.1   | 0.9    |
| AAB-0423 | Soil                             | 0.7    | <0.5   | 0.11   | 0.4    | 1.9    |
| AAB-0422 | Soil                             | 0.5    | <0.5   | 0.07   | 0.2    | 2.1    |



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**Project:** TING 2B  
**Report Date:** November 22, 2011

**Page:** 4 of 6 **Part** 1

## CERTIFICATE OF ANALYSIS

VAN11004233.1

|          | Method<br>Analyte<br>Unit<br>MDL | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     |
|----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|          |                                  | Ba     | Be     | Co     | Cs     | Ga     | Hf     | Nb     | Rb     | Sn     | Sr     | Ta     | Th     | U      | V      | W      | Zr     | Y      | La     | Ce     |
|          |                                  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
|          |                                  | 1      | 1      | 0.2    | 0.1    | 0.5    | 0.1    | 0.1    | 0.1    | 1      | 0.5    | 0.1    | 0.2    | 0.1    | 8      | 0.5    | 0.1    | 0.1    | 0.1    | 0.1    |
| AAB-0420 | Soil                             | 3646   | 1      | 13.7   | 3.4    | 10.4   | 6.6    | 13.4   | 61.8   | 2      | 67.4   | 0.9    | 8.5    | 4.1    | 265    | 1.3    | 238.2  | 22.8   | 31.6   | 62.7   |
| J2-193   | Soil                             | 1617   | 1      | 16.9   | 3.9    | 12.4   | 9.0    | 21.7   | 77.0   | 2      | 74.9   | 1.4    | 10.9   | 4.2    | 195    | 1.6    | 314.7  | 29.2   | 40.2   | 76.3   |
| J2-224   | Soil                             | 756    | 2      | 5.9    | 4.1    | 12.1   | 9.3    | 26.0   | 60.5   | 2      | 161.6  | 1.6    | 10.1   | 3.5    | 204    | 1.6    | 330.7  | 21.3   | 40.6   | 75.4   |
| J2-217   | Soil                             | 735    | 2      | 5.7    | 4.7    | 15.0   | 8.1    | 23.3   | 74.3   | 3      | 172.9  | 1.5    | 10.2   | 3.4    | 198    | 1.7    | 288.5  | 23.6   | 36.6   | 67.9   |
| J2-213   | Soil                             | 669    | 1      | 5.1    | 4.4    | 13.0   | 9.4    | 24.5   | 65.6   | 2      | 133.2  | 1.5    | 9.5    | 3.4    | 209    | 1.6    | 333.1  | 19.7   | 35.0   | 64.8   |
| J2-214   | Soil                             | 768    | 1      | 4.6    | 4.5    | 13.8   | 9.6    | 23.9   | 71.5   | 2      | 160.6  | 1.6    | 9.7    | 3.6    | 251    | 1.5    | 338.2  | 22.5   | 37.3   | 70.8   |
| J2-218   | Soil                             | 773    | <1     | 3.7    | 4.7    | 16.0   | 8.6    | 22.7   | 79.1   | 3      | 148.5  | 1.5    | 10.6   | 3.2    | 152    | 1.7    | 304.2  | 23.6   | 39.8   | 74.5   |
| J2-223   | Soil                             | 638    | 1      | 3.4    | 4.2    | 12.1   | 9.6    | 19.3   | 49.8   | 2      | 192.7  | 1.2    | 9.0    | 3.1    | 164    | 1.4    | 357.9  | 25.5   | 34.4   | 63.8   |
| J2-216   | Soil                             | 595    | <1     | 3.5    | 4.2    | 12.4   | 9.1    | 26.6   | 57.7   | 2      | 179.3  | 1.6    | 9.2    | 3.5    | 201    | 1.6    | 340.0  | 24.1   | 37.5   | 68.0   |
| J2-210   | Soil                             | 677    | <1     | 2.2    | 3.7    | 13.0   | 9.1    | 21.9   | 68.6   | 2      | 165.8  | 1.6    | 9.5    | 3.1    | 139    | 1.6    | 324.4  | 20.3   | 35.9   | 67.6   |
| J2-255   | Soil                             | 525    | 2      | 7.2    | 4.0    | 7.9    | 5.0    | 9.0    | 75.2   | 1      | 68.5   | 0.6    | 6.9    | 2.2    | 63     | 0.6    | 179.3  | 26.9   | 25.5   | 43.3   |
| J2-225   | Soil                             | 397    | <1     | 1.3    | 3.7    | 10.2   | 12.1   | 12.8   | 63.4   | 2      | 431.7  | 0.9    | 8.5    | 2.9    | 104    | 1.0    | 423.3  | 20.8   | 28.4   | 53.1   |
| J2-233   | Soil                             | 470    | 2      | 5.4    | 3.0    | 8.3    | 10.3   | 8.9    | 53.2   | 1      | 76.2   | 0.7    | 7.1    | 3.8    | 88     | 1.1    | 372.4  | 21.8   | 24.2   | 45.9   |
| J2-233   | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| J2-226   | Soil                             | 247    | 3      | 1.6    | 2.4    | 5.8    | 9.0    | 6.2    | 45.0   | <1     | 68.0   | 0.6    | 5.4    | 3.7    | 78     | 0.6    | 321.2  | 20.6   | 21.3   | 34.3   |
| J2-230   | Soil                             | 370    | 3      | 5.6    | 5.5    | 12.7   | 6.9    | 11.2   | 85.5   | 2      | 253.8  | 0.8    | 9.5    | 2.9    | 129    | 1.0    | 270.5  | 22.1   | 29.1   | 57.4   |
| J2-232   | Soil                             | 308    | 4      | 5.0    | 2.5    | 8.2    | 11.1   | 11.4   | 60.0   | 2      | 41.5   | 0.7    | 8.5    | 6.9    | 95     | 1.2    | 415.5  | 27.5   | 33.5   | 49.3   |
| J2-229   | Soil                             | 293    | 2      | 2.1    | 3.5    | 9.5    | 9.7    | 12.4   | 71.1   | 2      | 166.5  | 0.7    | 8.6    | 3.1    | 102    | 1.3    | 388.2  | 22.5   | 27.8   | 52.7   |
| J2-228   | Soil                             | 172    | <1     | 1.7    | 1.6    | 4.8    | 8.3    | 7.0    | 32.1   | <1     | 73.5   | 0.4    | 5.1    | 2.3    | 54     | 0.7    | 283.8  | 15.2   | 17.6   | 31.9   |
| J2-227   | Soil                             | 371    | 2      | 4.7    | 3.9    | 9.1    | 5.8    | 8.5    | 69.5   | 2      | 92.5   | 0.6    | 7.9    | 5.5    | 103    | 0.6    | 206.4  | 27.8   | 28.5   | 45.8   |
| J2-236   | Soil                             | 144    | 3      | 1.6    | 1.0    | 3.3    | 12.1   | 8.0    | 20.2   | <1     | 37.1   | 0.5    | 4.4    | 3.2    | 46     | 0.7    | 455.4  | 14.8   | 15.0   | 24.1   |
| J2-235   | Soil                             | 394    | 1      | 3.5    | 2.4    | 8.4    | 8.5    | 11.6   | 38.3   | 2      | 78.6   | 0.7    | 6.9    | 3.6    | 84     | 1.1    | 353.2  | 18.8   | 26.7   | 48.9   |
| J2-234   | Soil                             | 610    | 4      | 3.6    | 3.7    | 14.8   | 8.1    | 18.4   | 54.8   | 3      | 106.5  | 1.1    | 9.6    | 4.0    | 114    | 1.5    | 284.5  | 19.9   | 33.9   | 65.0   |
| J2-231   | Soil                             | 340    | 2      | 6.6    | 3.0    | 8.0    | 7.3    | 8.7    | 45.8   | <1     | 80.8   | 0.7    | 6.2    | 2.5    | 95     | 0.9    | 302.5  | 13.2   | 20.6   | 39.4   |
| J2-238   | Soil                             | 279    | 1      | 3.3    | 2.3    | 6.2    | 10.8   | 11.8   | 46.5   | 2      | 70.4   | 0.9    | 6.7    | 3.5    | 76     | 1.1    | 356.0  | 19.9   | 24.0   | 39.8   |
| J2-237   | Soil                             | 177    | 6      | 1.7    | 1.5    | 4.9    | 14.9   | 11.4   | 33.4   | <1     | 43.6   | 0.8    | 6.7    | 5.0    | 58     | 1.1    | 531.1  | 21.5   | 24.5   | 37.8   |
| J2-241   | Soil                             | 222    | 2      | 5.9    | 3.8    | 9.9    | 6.1    | 8.6    | 45.3   | 2      | 81.6   | 0.6    | 8.1    | 2.7    | 96     | 1.0    | 258.8  | 24.1   | 27.9   | 48.9   |
| J2-240   | Soil                             | 573    | <1     | 3.8    | 3.3    | 12.2   | 10.2   | 18.7   | 69.0   | 3      | 104.6  | 1.3    | 11.8   | 3.7    | 120    | 1.6    | 361.2  | 21.4   | 37.4   | 71.2   |
| J2-239   | Soil                             | 474    | 1      | 6.2    | 2.4    | 11.1   | 7.1    | 13.2   | 42.0   | 1      | 104.4  | 0.9    | 8.7    | 2.9    | 105    | 1.2    | 269.9  | 18.7   | 28.1   | 56.3   |
| J2-244   | Soil                             | 506    | 1      | 10.1   | 2.8    | 8.2    | 4.8    | 10.3   | 61.5   | 1      | 52.1   | 0.6    | 6.9    | 2.4    | 88     | 0.6    | 175.0  | 20.9   | 29.9   | 45.9   |



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Report Date: November 22, 2011

Page: 4 of 6 Part 2

## CERTIFICATE OF ANALYSIS

**VAN11004233.1**

|          | Method<br>Analyte<br>Unit<br>MDL | 4B         | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 1DX        | 1DX        | 1DX        | 1DX      | 1DX        | 1DX        | 1DX        | 1DX        | 1DX        |
|----------|----------------------------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|------------|----------|------------|------------|------------|------------|------------|
|          |                                  | Nd         | Sm          | Eu          | Gd          | Tb          | Dy          | Ho          | Er          | Tm          | Yb          | Lu          | Mo         | Cu         | Pb         | Zn       | Ni         | As         | Cd         | Sb         | Bi         |
|          |                                  | ppm<br>0.3 | ppm<br>0.05 | ppm<br>0.02 | ppm<br>0.05 | ppm<br>0.01 | ppm<br>0.05 | ppm<br>0.02 | ppm<br>0.03 | ppm<br>0.01 | ppm<br>0.05 | ppm<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 |
| AAB-0420 | Soil                             | 25.5       | 4.70        | 0.91        | 3.86        | 0.63        | 3.47        | 0.79        | 2.17        | 0.35        | 2.13        | 0.32        | 5.9        | 20.9       | 12.7       | 129      | 27.2       | 12.7       | 1.0        | 1.4        | 0.2        |
| J2-193   | Soil                             | 29.9       | 5.42        | 1.07        | 4.83        | 0.79        | 4.53        | 0.94        | 2.76        | 0.44        | 2.78        | 0.44        | 5.4        | 21.7       | 48.4       | 927      | 114.2      | 19.7       | 11.8       | 1.0        | 0.3        |
| J2-224   | Soil                             | 30.3       | 4.82        | 0.94        | 3.96        | 0.64        | 3.46        | 0.74        | 2.19        | 0.36        | 2.32        | 0.36        | 3.9        | 9.1        | 20.7       | 84       | 20.2       | 18.7       | 0.4        | 0.6        | 0.2        |
| J2-217   | Soil                             | 29.0       | 5.01        | 0.91        | 3.87        | 0.65        | 3.75        | 0.82        | 2.51        | 0.38        | 2.53        | 0.37        | 4.0        | 8.6        | 17.8       | 71       | 17.4       | 13.2       | 0.3        | 0.4        | 0.3        |
| J2-213   | Soil                             | 26.7       | 4.30        | 0.82        | 3.42        | 0.55        | 3.18        | 0.72        | 2.11        | 0.31        | 2.19        | 0.35        | 3.8        | 9.2        | 21.2       | 83       | 19.6       | 16.3       | 0.2        | 0.4        | 0.2        |
| J2-214   | Soil                             | 29.2       | 4.78        | 0.90        | 3.96        | 0.64        | 3.55        | 0.78        | 2.36        | 0.37        | 2.48        | 0.38        | 4.2        | 7.7        | 17.8       | 85       | 17.3       | 16.1       | 0.3        | 0.2        | 0.2        |
| J2-218   | Soil                             | 30.9       | 5.15        | 0.91        | 4.05        | 0.67        | 3.81        | 0.83        | 2.58        | 0.37        | 2.48        | 0.40        | 2.2        | 5.9        | 15.6       | 44       | 9.8        | 7.5        | 0.2        | 0.1        | 0.3        |
| J2-223   | Soil                             | 26.5       | 4.78        | 0.97        | 4.05        | 0.68        | 3.97        | 0.84        | 2.65        | 0.40        | 2.59        | 0.40        | 4.2        | 7.8        | 15.6       | 42       | 14.1       | 16.1       | 0.2        | 0.1        | 0.2        |
| J2-216   | Soil                             | 29.1       | 4.98        | 0.96        | 3.99        | 0.66        | 3.96        | 0.86        | 2.60        | 0.39        | 2.57        | 0.40        | 7.2        | 8.2        | 16.3       | 63       | 17.8       | 16.5       | 0.2        | 0.4        | 0.2        |
| J2-210   | Soil                             | 27.2       | 4.48        | 0.83        | 3.55        | 0.57        | 3.16        | 0.73        | 2.18        | 0.33        | 2.21        | 0.35        | 1.6        | 3.4        | 11.2       | 26       | 6.1        | 7.2        | <0.1       | 0.3        | 0.2        |
| J2-255   | Soil                             | 23.2       | 4.36        | 1.03        | 4.44        | 0.64        | 3.70        | 0.80        | 2.24        | 0.31        | 1.80        | 0.28        | 0.6        | 13.6       | 10.8       | 115      | 14.0       | 4.6        | 1.1        | 0.3        | 0.1        |
| J2-225   | Soil                             | 22.4       | 4.27        | 0.83        | 3.53        | 0.57        | 3.36        | 0.75        | 2.32        | 0.37        | 2.59        | 0.40        | 0.7        | 6.3        | 11.8       | 16       | 5.3        | 10.3       | 0.1        | <0.1       | 0.2        |
| J2-233   | Soil                             | 19.6       | 3.56        | 0.70        | 3.00        | 0.55        | 3.23        | 0.74        | 2.31        | 0.35        | 2.45        | 0.40        | 1.5        | 10.2       | 9.3        | 60       | 21.7       | 6.3        | 0.2        | 0.2        | 0.1        |
| J2-233   | Soil                             | L.N.R.     | L.N.R.      | L.N.R.      | L.N.R.      | L.N.R.      | L.N.R.      | L.N.R.      | L.N.R.      | L.N.R.      | L.N.R.      | L.N.R.      | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.   | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.     |
| J2-226   | Soil                             | 20.4       | 3.47        | 0.70        | 3.02        | 0.49        | 3.07        | 0.63        | 2.01        | 0.32        | 2.01        | 0.29        | 1.1        | 4.9        | 4.9        | 47       | 14.0       | 5.3        | 0.2        | 0.1        | <0.1       |
| J2-230   | Soil                             | 28.5       | 4.86        | 0.99        | 3.92        | 0.64        | 4.01        | 0.82        | 2.55        | 0.37        | 2.62        | 0.38        | 0.5        | 9.3        | 10.6       | 40       | 17.8       | 10.5       | <0.1       | <0.1       | 0.2        |
| J2-232   | Soil                             | 24.9       | 3.96        | 0.76        | 3.82        | 0.68        | 4.37        | 0.92        | 2.66        | 0.43        | 3.06        | 0.45        | 1.9        | 12.0       | 5.8        | 118      | 45.2       | 4.2        | 0.5        | 0.3        | <0.1       |
| J2-229   | Soil                             | 24.0       | 4.34        | 0.84        | 3.64        | 0.59        | 3.47        | 0.75        | 2.45        | 0.40        | 2.62        | 0.42        | 0.6        | 6.9        | 11.2       | 26       | 10.7       | 8.5        | <0.1       | <0.1       | 0.2        |
| J2-228   | Soil                             | 17.3       | 2.75        | 0.54        | 2.52        | 0.40        | 2.17        | 0.58        | 1.64        | 0.25        | 1.65        | 0.25        | 0.5        | 3.8        | 4.5        | 18       | 8.2        | 4.8        | <0.1       | <0.1       | <0.1       |
| J2-227   | Soil                             | 24.5       | 4.51        | 0.97        | 4.65        | 0.72        | 4.29        | 0.91        | 2.74        | 0.41        | 2.60        | 0.38        | 0.9        | 9.6        | 10.5       | 80       | 27.6       | 8.7        | 0.7        | 0.1        | 0.1        |
| J2-236   | Soil                             | 11.3       | 1.93        | 0.38        | 1.75        | 0.30        | 1.99        | 0.48        | 1.61        | 0.31        | 1.92        | 0.31        | 1.4        | 5.4        | 3.9        | 29       | 10.6       | 3.9        | 0.1        | 0.2        | <0.1       |
| J2-235   | Soil                             | 23.6       | 3.70        | 0.67        | 2.84        | 0.50        | 3.13        | 0.63        | 2.05        | 0.33        | 2.11        | 0.32        | 1.2        | 5.1        | 8.4        | 40       | 11.1       | 5.1        | 0.2        | 0.1        | 0.1        |
| J2-234   | Soil                             | 27.5       | 4.65        | 0.83        | 3.45        | 0.57        | 3.55        | 0.70        | 2.08        | 0.35        | 2.24        | 0.34        | 1.2        | 4.6        | 10.4       | 37       | 8.4        | 4.8        | 0.2        | 0.1        | 0.2        |
| J2-231   | Soil                             | 17.8       | 2.87        | 0.54        | 2.25        | 0.35        | 2.15        | 0.48        | 1.52        | 0.25        | 1.66        | 0.26        | 1.1        | 8.2        | 9.4        | 49       | 13.6       | 6.7        | 0.4        | 0.2        | 0.1        |
| J2-238   | Soil                             | 19.8       | 2.96        | 0.62        | 2.81        | 0.46        | 2.92        | 0.67        | 2.02        | 0.31        | 2.31        | 0.33        | 2.1        | 8.3        | 9.0        | 64       | 18.3       | 9.8        | 0.3        | 0.2        | 0.1        |
| J2-237   | Soil                             | 18.5       | 2.98        | 0.60        | 2.58        | 0.48        | 3.04        | 0.69        | 2.28        | 0.41        | 2.69        | 0.45        | 1.7        | 5.1        | 6.4        | 45       | 11.9       | 3.7        | 0.2        | 0.2        | <0.1       |
| J2-241   | Soil                             | 26.2       | 4.31        | 0.92        | 3.95        | 0.63        | 3.73        | 0.77        | 2.22        | 0.34        | 2.23        | 0.34        | 1.1        | 9.5        | 9.4        | 62       | 25.6       | 7.0        | 0.4        | <0.1       | 0.1        |
| J2-240   | Soil                             | 31.0       | 4.95        | 0.88        | 3.83        | 0.64        | 3.77        | 0.86        | 2.44        | 0.39        | 2.73        | 0.38        | 1.7        | 6.5        | 10.7       | 33       | 8.2        | 6.5        | 0.1        | 0.2        | 0.2        |
| J2-239   | Soil                             | 25.7       | 4.01        | 0.78        | 3.07        | 0.52        | 3.05        | 0.64        | 1.88        | 0.30        | 2.01        | 0.30        | 0.5        | 4.1        | 11.4       | 49       | 12.3       | 4.8        | 0.3        | 0.1        | 0.2        |
| J2-244   | Soil                             | 30.1       | 5.84        | 1.38        | 5.38        | 0.80        | 4.49        | 0.80        | 2.11        | 0.32        | 2.16        | 0.33        | 2.1        | 29.0       | 23.2       | 98       | 24.9       | 10.4       | 0.6        | 1.1        | 0.1        |



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**Project:** TING 2B

**Report Date:** November 22, 2011

**Page:** 4 of 6 **Part** 3

## CERTIFICATE OF ANALYSIS

VAN11004233.1

|          | Method<br>Analyte | Unit | 1DX    | 1DX    | 1DX    | 1DX    | 1DX    |
|----------|-------------------|------|--------|--------|--------|--------|--------|
|          |                   |      | Ag     | Au     | Hg     | Tl     | Se     |
|          |                   |      | ppm    | ppb    | ppm    | ppm    | ppm    |
|          |                   |      | MDL    | MDL    | MDL    | MDL    | MDL    |
| AAB-0420 | Soil              |      | 0.3    | <0.5   | 0.05   | 0.1    | 2.2    |
| J2-193   | Soil              |      | 0.5    | 0.6    | 0.06   | 0.9    | 2.9    |
| J2-224   | Soil              |      | 0.1    | <0.5   | 0.05   | 0.2    | 1.1    |
| J2-217   | Soil              |      | 0.8    | <0.5   | 0.03   | 0.2    | 0.6    |
| J2-213   | Soil              |      | 0.3    | <0.5   | 0.03   | 0.3    | <0.5   |
| J2-214   | Soil              |      | 0.2    | <0.5   | 0.02   | 0.3    | 0.5    |
| J2-218   | Soil              |      | 2.4    | <0.5   | 0.01   | 0.2    | <0.5   |
| J2-223   | Soil              |      | 0.1    | <0.5   | 0.04   | 0.1    | 0.6    |
| J2-216   | Soil              |      | 0.1    | <0.5   | 0.02   | 0.3    | <0.5   |
| J2-210   | Soil              |      | 0.5    | <0.5   | 0.01   | 0.1    | <0.5   |
| J2-255   | Soil              |      | 0.1    | <0.5   | 0.06   | 0.1    | 1.1    |
| J2-225   | Soil              |      | <0.1   | <0.5   | 0.03   | <0.1   | 0.7    |
| J2-233   | Soil              |      | 0.1    | <0.5   | 0.02   | 0.2    | 1.0    |
| J2-233   | Soil              |      | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| J2-226   | Soil              |      | <0.1   | <0.5   | 0.04   | 0.2    | <0.5   |
| J2-230   | Soil              |      | 0.1    | <0.5   | 0.03   | 0.1    | <0.5   |
| J2-232   | Soil              |      | <0.1   | <0.5   | 0.05   | 0.2    | 0.7    |
| J2-229   | Soil              |      | 0.2    | <0.5   | 0.02   | 0.2    | 0.8    |
| J2-228   | Soil              |      | <0.1   | <0.5   | 0.03   | <0.1   | <0.5   |
| J2-227   | Soil              |      | 0.1    | <0.5   | 0.04   | 0.2    | <0.5   |
| J2-236   | Soil              |      | <0.1   | <0.5   | 0.02   | <0.1   | 0.6    |
| J2-235   | Soil              |      | <0.1   | <0.5   | 0.02   | <0.1   | <0.5   |
| J2-234   | Soil              |      | 0.1    | <0.5   | 0.02   | 0.2    | <0.5   |
| J2-231   | Soil              |      | <0.1   | 0.7    | 0.04   | 0.1    | 0.6    |
| J2-238   | Soil              |      | <0.1   | 2.0    | 0.02   | <0.1   | 0.6    |
| J2-237   | Soil              |      | <0.1   | <0.5   | 0.02   | 0.1    | <0.5   |
| J2-241   | Soil              |      | <0.1   | <0.5   | 0.03   | 0.2    | 0.5    |
| J2-240   | Soil              |      | <0.1   | <0.5   | 0.03   | 0.1    | 0.6    |
| J2-239   | Soil              |      | 0.1    | <0.5   | 0.02   | <0.1   | <0.5   |
| J2-244   | Soil              |      | <0.1   | 0.6    | 0.05   | 0.3    | <0.5   |



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Report Date: November 22, 2011

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## CERTIFICATE OF ANALYSIS

VAN11004233.1

|          | Method<br>Analyte<br>Unit<br>MDL | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     | 4B     |
|----------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|          |                                  | Ba     | Be     | Co     | Cs     | Ga     | Hf     | Nb     | Rb     | Sn     | Sr     | Ta     | Th     | U      | V      | W      | Zr     | Y      | La     |
|          |                                  | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    | ppm    |
| J2-243   | Soil                             | 593    | 3      | 10.1   | 3.2    | 10.4   | 7.5    | 13.6   | 65.9   | 2      | 74.6   | 0.8    | 10.0   | 2.9    | 100    | 1.4    | 265.9  | 16.7   | 29.8   |
| J2-242   | Soil                             | 586    | 3      | 12.4   | 3.6    | 8.8    | 5.8    | 14.4   | 62.2   | <1     | 73.3   | 1.0    | 9.1    | 2.9    | 160    | 1.2    | 211.9  | 23.7   | 33.3   |
| J2-257   | Soil                             | 295    | <1     | 3.1    | 1.6    | 7.8    | 8.6    | 10.3   | 40.2   | 1      | 45.8   | 0.9    | 6.7    | 2.1    | 77     | 1.0    | 344.9  | 12.4   | 22.2   |
| J2-246   | Soil                             | 708    | 6      | 8.1    | 3.5    | 11.5   | 7.0    | 13.9   | 66.1   | 2      | 99.5   | 0.9    | 9.8    | 3.1    | 111    | 1.5    | 284.4  | 17.2   | 31.9   |
| J2-247   | Soil                             | 382    | 3      | 10.4   | 4.6    | 12.5   | 7.0    | 12.5   | 96.1   | 2      | 36.1   | 0.9    | 10.2   | 2.6    | 82     | 0.8    | 248.7  | 19.4   | 29.5   |
| J2-245   | Soil                             | 581    | <1     | 8.8    | 3.3    | 9.0    | 7.3    | 12.2   | 70.2   | 1      | 62.4   | 0.8    | 9.0    | 2.6    | 95     | 1.0    | 246.1  | 18.5   | 28.8   |
| J2-253   | Soil                             | 510    | <1     | 8.9    | 3.5    | 11.6   | 6.4    | 14.6   | 68.2   | 2      | 63.3   | 1.1    | 8.1    | 2.5    | 116    | 1.0    | 231.2  | 15.7   | 26.5   |
| J2-248   | Soil                             | 502    | 4      | 9.5    | 3.3    | 10.5   | 6.2    | 11.4   | 75.5   | 1      | 61.2   | 0.7    | 9.4    | 2.7    | 78     | 1.0    | 233.1  | 17.1   | 25.7   |
| J2-249   | Soil                             | 658    | 3      | 5.3    | 3.4    | 14.2   | 7.6    | 15.7   | 106.1  | 2      | 86.1   | 1.2    | 11.1   | 3.0    | 100    | 1.2    | 278.3  | 18.6   | 32.1   |
| J2-250   | Soil                             | 659    | <1     | 5.5    | 3.1    | 10.6   | 6.8    | 14.5   | 86.8   | 1      | 83.1   | 1.1    | 9.5    | 2.3    | 85     | 0.9    | 246.4  | 16.1   | 28.5   |
| J2-251   | Soil                             | 526    | <1     | 4.7    | 2.4    | 9.1    | 7.6    | 13.4   | 77.2   | 1      | 63.7   | 0.9    | 7.2    | 2.3    | 78     | 1.0    | 312.0  | 14.0   | 24.9   |
| J2-252   | Soil                             | 480    | <1     | 7.6    | 3.7    | 11.1   | 6.5    | 14.6   | 78.2   | 1      | 63.7   | 0.9    | 7.4    | 2.5    | 97     | 1.1    | 238.4  | 12.9   | 24.1   |
| J2-256   | Soil                             | 565    | 3      | 4.4    | 2.8    | 14.2   | 8.0    | 17.6   | 64.3   | 2      | 86.1   | 1.0    | 9.9    | 2.6    | 132    | 1.6    | 296.6  | 18.0   | 33.1   |
| J2-254   | Soil                             | 221    | 2      | 4.7    | 1.9    | 11.2   | 3.6    | 20.0   | 72.8   | 1      | 42.4   | 1.1    | 4.2    | 1.6    | 144    | 0.8    | 147.8  | 15.3   | 23.5   |
| BCQ-0309 | Soil                             | 465    | 3      | 12.9   | 4.0    | 14.0   | 7.3    | 22.6   | 53.6   | 2      | 116.0  | 1.4    | 9.4    | 3.1    | 115    | 1.9    | 255.1  | 19.4   | 29.7   |
| BCQ-0298 | Soil                             | 360    | <1     | 4.6    | 1.9    | 8.1    | 5.2    | 7.8    | 57.5   | <1     | 150.4  | 0.6    | 6.9    | 2.5    | 46     | 0.6    | 188.9  | 13.4   | 20.7   |
| BCQ-0299 | Soil                             | 408    | 1      | 7.7    | 2.7    | 10.6   | 9.8    | 16.1   | 48.2   | 1      | 62.7   | 1.0    | 7.7    | 3.2    | 68     | 1.7    | 332.3  | 13.3   | 19.3   |
| BCQ-0301 | Soil                             | 451    | 1      | 15.1   | 4.4    | 14.6   | 6.8    | 27.6   | 64.0   | 2      | 105.8  | 1.6    | 10.0   | 2.8    | 119    | 2.7    | 237.2  | 25.5   | 39.1   |
| BCQ-0303 | Soil                             | 712    | 1      | 5.0    | 6.7    | 14.1   | 7.7    | 18.5   | 82.5   | 2      | 110.4  | 1.4    | 9.6    | 2.7    | 109    | 1.6    | 271.7  | 19.3   | 33.2   |
| BCQ-0312 | Soil                             | 550    | <1     | 10.4   | 3.8    | 14.0   | 6.3    | 21.0   | 66.6   | 2      | 99.4   | 1.4    | 9.4    | 2.7    | 118    | 0.8    | 235.9  | 20.0   | 31.3   |
| BCQ-0317 | Soil                             | 658    | 2      | 6.8    | 6.4    | 15.4   | 6.9    | 17.9   | 92.5   | 3      | 121.1  | 1.2    | 8.9    | 2.8    | 118    | 5.0    | 262.5  | 18.2   | 34.6   |
| BCQ-0319 | Soil                             | 725    | 2      | 5.5    | 6.5    | 15.1   | 6.0    | 18.8   | 105.5  | 2      | 176.6  | 1.2    | 8.9    | 2.6    | 106    | 4.2    | 237.5  | 18.5   | 36.5   |
| BCQ-0330 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| BCQ-0320 | Soil                             | 483    | 2      | 23.3   | 7.5    | 17.6   | 5.6    | 32.2   | 86.4   | 3      | 155.8  | 2.1    | 9.3    | 2.7    | 145    | 1.9    | 231.9  | 30.5   | 40.1   |
| BCQ-0321 | Soil                             | 619    | 2      | 11.4   | 6.6    | 14.3   | 5.7    | 20.3   | 100.0  | 2      | 161.5  | 1.4    | 9.9    | 3.0    | 107    | 6.2    | 216.5  | 21.4   | 34.8   |
| BCQ-0322 | Soil                             | 628    | 1      | 15.7   | 6.2    | 14.6   | 6.8    | 21.0   | 90.8   | 2      | 191.6  | 1.4    | 10.1   | 2.9    | 111    | 5.0    | 255.9  | 23.5   | 38.9   |
| BCQ-0314 | Soil                             | 562    | 2      | 13.2   | 4.9    | 14.8   | 6.3    | 22.1   | 88.3   | 2      | 162.9  | 1.4    | 8.1    | 2.9    | 125    | 1.4    | 247.2  | 18.5   | 29.5   |
| BCQ-0316 | Soil                             | 687    | <1     | 3.2    | 5.6    | 15.1   | 7.5    | 20.2   | 96.7   | 2      | 113.0  | 1.4    | 9.1    | 2.9    | 104    | 5.6    | 291.6  | 19.7   | 35.1   |
| AAB-0439 | Soil                             | 884    | <1     | 10.1   | 2.7    | 8.9    | 8.4    | 20.8   | 56.7   | 2      | 56.8   | 1.3    | 9.2    | 3.0    | 94     | 1.2    | 342.8  | 23.9   | 35.3   |
| AAB-0448 | Soil                             | 3540   | <1     | 7.8    | 4.0    | 13.4   | 6.3    | 16.7   | 89.4   | 2      | 82.2   | 1.2    | 11.7   | 6.8    | 379    | 1.0    | 241.5  | 30.6   | 42.6   |



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Report Date: November 22, 2011

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## CERTIFICATE OF ANALYSIS

**VAN11004233.1**

|          | Method<br>Analyte<br>Unit<br>MDL | 4B         | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 4B          | 1DX        | 1DX        | 1DX        | 1DX      | 1DX        | 1DX        | 1DX        | 1DX        | 1DX        |
|----------|----------------------------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|------------|------------|----------|------------|------------|------------|------------|------------|
|          |                                  | Nd         | Sm          | Eu          | Gd          | Tb          | Dy          | Ho          | Er          | Tm          | Yb          | Lu          | Mo         | Cu         | Pb         | Zn       | Ni         | As         | Cd         | Sb         | Bi         |
|          |                                  | ppm<br>0.3 | ppm<br>0.05 | ppm<br>0.02 | ppm<br>0.05 | ppm<br>0.01 | ppm<br>0.05 | ppm<br>0.02 | ppm<br>0.03 | ppm<br>0.01 | ppm<br>0.05 | ppm<br>0.01 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>1 | ppm<br>0.1 | ppm<br>0.5 | ppm<br>0.1 | ppm<br>0.1 | ppm<br>0.1 |
| J2-243   | Soil                             | 25.0       | 3.98        | 0.85        | 3.18        | 0.52        | 2.99        | 0.68        | 1.91        | 0.30        | 1.70        | 0.29        | 1.7        | 12.3       | 19.6       | 99       | 22.5       | 11.1       | 0.5        | 0.6        | 0.2        |
| J2-242   | Soil                             | 31.1       | 5.60        | 1.22        | 4.83        | 0.75        | 4.24        | 0.84        | 2.35        | 0.34        | 2.13        | 0.33        | 3.1        | 31.3       | 27.6       | 133      | 39.8       | 19.7       | 1.6        | 1.9        | 0.1        |
| J2-257   | Soil                             | 17.4       | 2.76        | 0.49        | 2.07        | 0.35        | 2.12        | 0.40        | 1.30        | 0.20        | 1.38        | 0.23        | 1.2        | 5.4        | 8.7        | 49       | 7.6        | 7.1        | 0.1        | 0.6        | 0.1        |
| J2-246   | Soil                             | 25.4       | 4.08        | 0.75        | 3.08        | 0.50        | 3.18        | 0.62        | 1.86        | 0.31        | 2.05        | 0.31        | 1.2        | 4.9        | 11.5       | 68       | 12.5       | 4.5        | 0.4        | 0.2        | 0.2        |
| J2-247   | Soil                             | 26.6       | 4.25        | 0.97        | 3.83        | 0.59        | 3.34        | 0.71        | 2.03        | 0.32        | 2.01        | 0.28        | 0.7        | 16.0       | 14.1       | 51       | 20.3       | 10.7       | 0.2        | 0.4        | 0.2        |
| J2-245   | Soil                             | 27.6       | 4.66        | 0.94        | 3.83        | 0.58        | 3.18        | 0.65        | 1.90        | 0.28        | 1.80        | 0.25        | 1.7        | 12.3       | 16.3       | 68       | 21.8       | 10.7       | 0.5        | 0.6        | 0.1        |
| J2-253   | Soil                             | 22.5       | 3.71        | 0.75        | 2.79        | 0.47        | 2.66        | 0.58        | 1.59        | 0.26        | 1.80        | 0.26        | 1.7        | 13.7       | 18.5       | 79       | 18.9       | 11.2       | 0.3        | 0.5        | 0.2        |
| J2-248   | Soil                             | 23.6       | 4.46        | 0.94        | 3.75        | 0.60        | 3.46        | 0.66        | 1.80        | 0.27        | 1.71        | 0.26        | 1.0        | 10.9       | 22.7       | 83       | 17.9       | 9.6        | 0.8        | 0.3        | 0.2        |
| J2-249   | Soil                             | 27.0       | 3.99        | 0.76        | 3.42        | 0.53        | 3.14        | 0.70        | 2.14        | 0.34        | 1.86        | 0.32        | 0.9        | 5.3        | 10.7       | 79       | 11.5       | 5.1        | 0.4        | 0.2        | 0.2        |
| J2-250   | Soil                             | 24.3       | 3.84        | 0.73        | 3.12        | 0.48        | 2.71        | 0.63        | 1.63        | 0.25        | 1.61        | 0.27        | 0.8        | 5.0        | 9.1        | 65       | 8.8        | 4.4        | 0.8        | 0.2        | 0.2        |
| J2-251   | Soil                             | 22.6       | 3.18        | 0.60        | 2.47        | 0.39        | 2.42        | 0.52        | 1.64        | 0.23        | 1.49        | 0.26        | 1.2        | 8.6        | 9.3        | 43       | 8.0        | 5.3        | 0.1        | 0.5        | 0.1        |
| J2-252   | Soil                             | 19.1       | 2.93        | 0.54        | 1.94        | 0.35        | 1.89        | 0.43        | 1.27        | 0.22        | 1.43        | 0.21        | 1.3        | 12.5       | 11.0       | 78       | 13.1       | 7.6        | 0.3        | 0.4        | 0.1        |
| J2-256   | Soil                             | 29.2       | 4.29        | 0.72        | 3.31        | 0.50        | 3.23        | 0.61        | 1.88        | 0.31        | 2.04        | 0.30        | 1.5        | 6.2        | 13.2       | 50       | 9.4        | 7.4        | 0.1        | 0.4        | 0.3        |
| J2-254   | Soil                             | 24.5       | 4.54        | 1.27        | 3.89        | 0.62        | 3.01        | 0.62        | 1.51        | 0.23        | 1.31        | 0.21        | 0.4        | 11.8       | 6.8        | 44       | 9.2        | 4.2        | 0.2        | 0.3        | 0.1        |
| BCQ-0309 | Soil                             | 26.7       | 5.45        | 1.20        | 4.39        | 0.66        | 3.87        | 0.67        | 1.93        | 0.32        | 1.88        | 0.31        | 1.3        | 12.8       | 21.3       | 71       | 23.0       | 8.6        | 0.1        | 0.2        | 0.3        |
| BCQ-0298 | Soil                             | 18.7       | 3.06        | 0.60        | 2.65        | 0.37        | 2.08        | 0.45        | 1.36        | 0.19        | 1.33        | 0.18        | 0.1        | 6.2        | 7.4        | 33       | 11.5       | 2.3        | 0.1        | 0.2        | 0.1        |
| BCQ-0299 | Soil                             | 18.0       | 3.34        | 0.80        | 2.81        | 0.44        | 2.38        | 0.45        | 1.36        | 0.23        | 1.34        | 0.20        | 0.7        | 9.0        | 12.1       | 45       | 17.6       | 7.8        | 0.1        | 0.3        | 0.2        |
| BCQ-0301 | Soil                             | 35.6       | 6.71        | 1.49        | 5.67        | 0.88        | 5.48        | 0.88        | 2.57        | 0.37        | 2.34        | 0.37        | 1.5        | 16.1       | 21.5       | 64       | 31.1       | 17.5       | 0.1        | 0.2        | 0.4        |
| BCQ-0303 | Soil                             | 28.9       | 4.90        | 0.86        | 3.44        | 0.55        | 3.47        | 0.72        | 2.09        | 0.31        | 2.21        | 0.31        | 1.0        | 4.5        | 16.4       | 69       | 10.3       | 3.5        | 0.1        | <0.1       | 0.4        |
| BCQ-0312 | Soil                             | 25.3       | 4.80        | 1.04        | 4.08        | 0.63        | 3.60        | 0.73        | 2.11        | 0.32        | 2.08        | 0.32        | 0.7        | 13.6       | 16.8       | 69       | 17.4       | 6.3        | 0.2        | 0.1        | 0.3        |
| BCQ-0317 | Soil                             | 26.8       | 4.45        | 0.94        | 3.86        | 0.56        | 3.08        | 0.60        | 1.91        | 0.30        | 1.99        | 0.33        | 2.8        | 13.8       | 73.3       | 152      | 14.6       | 19.7       | 0.3        | 0.3        | 0.7        |
| BCQ-0319 | Soil                             | 29.1       | 4.63        | 0.99        | 3.64        | 0.55        | 3.06        | 0.62        | 1.79        | 0.30        | 1.83        | 0.28        | 2.6        | 16.0       | 50.9       | 99       | 10.0       | 12.5       | 0.2        | 0.2        | 0.6        |
| BCQ-0330 | Soil                             | L.N.R.     | L.N.R.      | L.N.R.      | L.N.R.      | L.N.R.      | L.N.R.      | L.N.R.      | L.N.R.      | L.N.R.      | L.N.R.      | L.N.R.      | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.   | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.     | L.N.R.     |
| BCQ-0320 | Soil                             | 36.0       | 6.79        | 1.88        | 6.57        | 1.00        | 5.38        | 1.05        | 3.14        | 0.43        | 2.60        | 0.41        | 1.3        | 37.5       | 36.6       | 91       | 35.0       | 13.1       | 0.2        | 0.2        | 0.3        |
| BCQ-0321 | Soil                             | 28.6       | 4.99        | 1.14        | 4.18        | 0.67        | 3.74        | 0.71        | 2.25        | 0.33        | 2.11        | 0.32        | 5.6        | 25.8       | 86.2       | 178      | 19.3       | 35.1       | 0.4        | 0.5        | 0.7        |
| BCQ-0322 | Soil                             | 31.4       | 5.27        | 1.22        | 4.65        | 0.70        | 3.77        | 0.76        | 2.33        | 0.35        | 2.26        | 0.35        | 4.2        | 25.6       | 71.0       | 152      | 18.7       | 27.5       | 0.7        | 0.4        | 0.5        |
| BCQ-0314 | Soil                             | 23.5       | 4.39        | 0.97        | 3.62        | 0.56        | 3.25        | 0.61        | 1.77        | 0.28        | 1.91        | 0.29        | 0.9        | 11.0       | 15.0       | 83       | 14.1       | 5.4        | <0.1       | 0.2        | 0.2        |
| BCQ-0316 | Soil                             | 27.2       | 4.15        | 0.81        | 3.41        | 0.54        | 3.37        | 0.62        | 1.91        | 0.31        | 2.14        | 0.31        | 3.4        | 7.4        | 36.4       | 49       | 6.1        | 14.9       | 0.1        | 0.3        | 0.5        |
| AAB-0439 | Soil                             | 28.2       | 4.71        | 1.01        | 4.28        | 0.68        | 3.63        | 0.79        | 2.29        | 0.37        | 2.36        | 0.35        | 2.4        | 17.2       | 48.7       | 87       | 22.4       | 12.0       | 0.8        | 1.2        | 0.1        |
| AAB-0448 | Soil                             | 32.9       | 5.77        | 1.13        | 5.14        | 0.81        | 4.59        | 0.93        | 2.91        | 0.41        | 2.62        | 0.41        | 15.3       | 23.9       | 15.0       | 266      | 46.4       | 17.2       | 1.2        | 1.4        | 0.2        |



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**Project:** TING 2B

**Report Date:** November 22, 2011

**Page:** 5 of 6      **Part** 3

## CERTIFICATE OF ANALYSIS

VAN11004233.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX    | 1DX    | 1DX    | 1DX    | 1DX    |
|----------|----------------------------------|--------|--------|--------|--------|--------|
|          |                                  | Ag     | Au     | Hg     | Tl     | Se     |
|          |                                  | ppm    | ppb    | ppm    | ppm    | ppm    |
|          |                                  | 0.1    | 0.5    | 0.01   | 0.1    | 0.5    |
| J2-243   | Soil                             | <0.1   | <0.5   | 0.03   | 0.3    | <0.5   |
| J2-242   | Soil                             | 0.2    | 3.4    | 0.08   | 1.0    | 0.8    |
| J2-257   | Soil                             | <0.1   | <0.5   | 0.02   | 0.1    | <0.5   |
| J2-246   | Soil                             | <0.1   | <0.5   | 0.03   | 0.2    | <0.5   |
| J2-247   | Soil                             | <0.1   | <0.5   | 0.02   | 0.2    | <0.5   |
| J2-245   | Soil                             | <0.1   | <0.5   | 0.02   | 0.3    | <0.5   |
| J2-253   | Soil                             | <0.1   | <0.5   | 0.02   | 0.2    | <0.5   |
| J2-248   | Soil                             | <0.1   | 13.8   | 0.02   | 0.1    | <0.5   |
| J2-249   | Soil                             | <0.1   | <0.5   | 0.01   | 0.1    | <0.5   |
| J2-250   | Soil                             | <0.1   | <0.5   | 0.05   | <0.1   | <0.5   |
| J2-251   | Soil                             | <0.1   | <0.5   | 0.01   | 0.1    | <0.5   |
| J2-252   | Soil                             | <0.1   | <0.5   | 0.02   | 0.2    | <0.5   |
| J2-256   | Soil                             | <0.1   | <0.5   | 0.01   | 0.1    | <0.5   |
| J2-254   | Soil                             | <0.1   | <0.5   | <0.01  | 0.1    | <0.5   |
| BCQ-0309 | Soil                             | <0.1   | <0.5   | 0.04   | 0.2    | 0.7    |
| BCQ-0298 | Soil                             | <0.1   | <0.5   | 0.02   | <0.1   | <0.5   |
| BCQ-0299 | Soil                             | <0.1   | <0.5   | 0.02   | 0.2    | 0.6    |
| BCQ-0301 | Soil                             | 0.2    | 1.0    | 0.03   | 0.3    | <0.5   |
| BCQ-0303 | Soil                             | <0.1   | <0.5   | 0.02   | 0.2    | <0.5   |
| BCQ-0312 | Soil                             | 0.1    | <0.5   | 0.04   | 0.1    | <0.5   |
| BCQ-0317 | Soil                             | 0.2    | 2.0    | 0.02   | 0.2    | <0.5   |
| BCQ-0319 | Soil                             | 0.3    | <0.5   | 0.04   | 0.2    | <0.5   |
| BCQ-0330 | Soil                             | L.N.R. | L.N.R. | L.N.R. | L.N.R. | L.N.R. |
| BCQ-0320 | Soil                             | 0.2    | 0.8    | 0.03   | 0.3    | <0.5   |
| BCQ-0321 | Soil                             | 0.4    | 4.9    | 0.03   | 0.6    | <0.5   |
| BCQ-0322 | Soil                             | 0.2    | 0.9    | 0.04   | 0.5    | 0.7    |
| BCQ-0314 | Soil                             | 0.1    | <0.5   | 0.03   | <0.1   | <0.5   |
| BCQ-0316 | Soil                             | 0.1    | <0.5   | 0.02   | 0.2    | <0.5   |
| AAB-0439 | Soil                             | 0.1    | <0.5   | 0.03   | 0.1    | <0.5   |
| AAB-0448 | Soil                             | 0.1    | <0.5   | 0.04   | 0.4    | 4.5    |



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Page: 6 of 6 Part 1

## CERTIFICATE OF ANALYSIS

VAN11004233.1

|          | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B  | 4B   | 4B  | 4B   | 4B   | 4B   | 4B   | 4B  | 4B    | 4B  | 4B   | 4B  | 4B  | 4B  | 4B    | 4B   | 4B   |
|----------|----------------------------------|------|-----|------|-----|------|------|------|------|-----|-------|-----|------|-----|-----|-----|-------|------|------|
|          |                                  | Ba   | Be  | Co   | Cs  | Ga   | Hf   | Nb   | Rb   | Sn  | Sr    | Ta  | Th   | U   | V   | W   | Zr    | Y    | La   |
|          |                                  | ppm  | ppm | ppm  | ppm | ppm  | ppm  | ppm  | ppm  | ppm | ppm   | ppm | ppm  | ppm | ppm | ppm | ppm   | ppm  | ppm  |
|          |                                  | 1    | 1   | 0.2  | 0.1 | 0.5  | 0.1  | 0.1  | 0.1  | 1   | 0.5   | 0.1 | 0.2  | 0.1 | 8   | 0.5 | 0.1   | 0.1  | 0.1  |
| AAB-0441 | Soil                             | 3292 | 5   | 6.4  | 2.3 | 10.0 | 10.7 | 23.3 | 60.2 | 2   | 60.4  | 1.4 | 9.3  | 3.6 | 169 | 1.3 | 437.6 | 22.0 | 40.9 |
| AAB-0443 | Soil                             | 5885 | 2   | 7.0  | 2.7 | 10.0 | 7.9  | 14.4 | 61.0 | 2   | 72.0  | 1.0 | 9.2  | 4.5 | 275 | 0.9 | 298.4 | 27.5 | 42.6 |
| AAB-0438 | Soil                             | 7831 | 2   | 7.3  | 2.7 | 10.1 | 9.0  | 15.5 | 63.4 | 2   | 65.3  | 1.1 | 9.8  | 5.3 | 284 | 0.9 | 354.3 | 32.9 | 38.1 |
| AAB-0447 | Soil                             | 3731 | <1  | 5.7  | 4.6 | 14.7 | 6.9  | 15.4 | 82.5 | 2   | 102.1 | 1.1 | 10.3 | 4.2 | 270 | 1.5 | 286.8 | 23.0 | 37.9 |
| AAB-0444 | Soil                             | 4541 | <1  | 4.5  | 2.8 | 11.2 | 7.0  | 16.0 | 61.0 | 2   | 52.5  | 1.0 | 8.6  | 5.4 | 336 | 1.2 | 274.6 | 27.9 | 35.4 |
| AAB-0450 | Soil                             | 7145 | <1  | 9.3  | 3.2 | 10.6 | 5.3  | 11.7 | 66.8 | 2   | 77.6  | 0.8 | 8.6  | 5.7 | 313 | 0.9 | 222.3 | 33.9 | 34.1 |
| AAB-0464 | Soil                             | 1887 | 1   | 10.6 | 3.3 | 10.0 | 7.4  | 20.6 | 67.2 | 1   | 54.4  | 1.2 | 9.2  | 5.7 | 480 | 0.9 | 310.7 | 32.6 | 37.7 |
| AAB-0465 | Soil                             | 1191 | <1  | 10.3 | 3.8 | 11.1 | 7.2  | 17.9 | 74.0 | 2   | 98.4  | 1.0 | 10.3 | 3.4 | 158 | 1.0 | 292.9 | 25.2 | 37.7 |
| AAB-0463 | Soil                             | 1275 | 2   | 11.8 | 3.5 | 12.1 | 7.1  | 18.2 | 79.4 | 3   | 97.9  | 1.3 | 12.0 | 4.3 | 218 | 1.2 | 306.1 | 31.8 | 43.6 |
| AAB-0462 | Soil                             | 1062 | 2   | 10.7 | 3.9 | 12.7 | 6.2  | 19.6 | 82.8 | 2   | 83.1  | 1.2 | 11.3 | 3.3 | 146 | 1.1 | 271.9 | 25.0 | 40.5 |
| AAB-0461 | Soil                             | 1264 | <1  | 9.1  | 3.6 | 10.7 | 6.7  | 18.5 | 77.0 | 2   | 69.3  | 1.1 | 11.2 | 3.6 | 198 | 1.1 | 278.3 | 29.6 | 41.4 |
| AAB-0460 | Soil                             | 1226 | 1   | 13.7 | 6.2 | 13.8 | 6.2  | 23.8 | 88.6 | 2   | 76.1  | 1.5 | 11.5 | 4.2 | 206 | 1.2 | 271.6 | 30.6 | 40.7 |
| AAB-0459 | Soil                             | 1376 | <1  | 13.0 | 6.3 | 12.5 | 5.6  | 22.8 | 84.7 | 2   | 71.2  | 1.4 | 11.4 | 3.7 | 219 | 0.9 | 232.1 | 27.9 | 39.0 |
| AAB-0458 | Soil                             | 1326 | <1  | 12.1 | 5.4 | 11.5 | 5.9  | 22.7 | 80.4 | 1   | 65.8  | 1.4 | 10.0 | 3.5 | 215 | 8.8 | 254.6 | 29.5 | 37.8 |
| AAB-0457 | Soil                             | 1002 | 2   | 10.0 | 5.2 | 14.2 | 6.6  | 26.3 | 95.3 | 2   | 78.8  | 1.5 | 12.5 | 3.3 | 130 | 0.8 | 272.6 | 26.8 | 45.5 |
| AAB-0455 | Soil                             | 2050 | <1  | 12.5 | 5.3 | 13.1 | 5.8  | 21.7 | 92.6 | 2   | 70.6  | 1.4 | 10.6 | 3.4 | 208 | 1.2 | 239.2 | 27.0 | 39.3 |
| AAB-0454 | Soil                             | 2059 | <1  | 11.3 | 4.3 | 12.2 | 5.7  | 20.5 | 84.2 | 2   | 68.2  | 1.3 | 10.6 | 3.5 | 168 | 0.9 | 237.4 | 24.1 | 37.0 |
| AAB-0452 | Soil                             | 611  | <1  | 5.4  | 2.5 | 8.7  | 3.8  | 12.5 | 45.0 | 1   | 79.7  | 0.8 | 6.9  | 2.0 | 97  | 0.7 | 150.7 | 14.5 | 23.3 |
| AAB-0451 | Soil                             | 971  | 1   | 7.3  | 3.9 | 14.6 | 7.0  | 19.6 | 88.8 | 3   | 84.2  | 1.2 | 12.3 | 3.6 | 169 | 1.7 | 310.4 | 21.5 | 42.2 |



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Page: 6 of 6 Part 2

## CERTIFICATE OF ANALYSIS

VAN11004233.1

|          | Method | Analyte | Unit | MDL | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 1DX  | 1DX  | 1DX  | 1DX | 1DX  | 1DX  | 1DX | 1DX | 1DX |
|----------|--------|---------|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|-----|-----|-----|
|          |        |         |      |     | Nd   | Sm   | Eu   | Gd   | Tb   | Dy   | Ho   | Er   | Tm   | Yb   | Lu   | Mo   | Cu   | Pb   | Zn  | Ni   | As   | Cd  | Sb  | Bi  |
|          |        |         |      |     | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm | ppm  | ppm  | ppm | ppm | ppm |
|          |        |         |      |     | 0.3  | 0.05 | 0.02 | 0.05 | 0.01 | 0.05 | 0.02 | 0.03 | 0.01 | 0.05 | 0.01 | 0.1  | 0.1  | 0.1  | 1   | 0.1  | 0.5  | 0.1 | 0.1 | 0.1 |
| AAB-0441 | Soil   |         |      |     | 38.1 | 6.59 | 1.21 | 4.42 | 0.59 | 3.28 | 0.64 | 2.04 | 0.35 | 2.26 | 0.37 | 4.2  | 16.9 | 19.0 | 116 | 29.5 | 15.5 | 0.9 | 0.6 | 0.2 |
| AAB-0443 | Soil   |         |      |     | 35.0 | 5.42 | 1.09 | 4.57 | 0.73 | 4.03 | 0.87 | 2.62 | 0.41 | 2.46 | 0.38 | 7.0  | 27.0 | 16.1 | 158 | 32.1 | 16.0 | 1.5 | 1.2 | 0.1 |
| AAB-0438 | Soil   |         |      |     | 29.6 | 5.56 | 1.19 | 5.14 | 0.84 | 4.70 | 0.98 | 2.99 | 0.45 | 2.78 | 0.47 | 6.7  | 27.9 | 14.3 | 206 | 37.3 | 14.7 | 1.7 | 1.4 | 0.2 |
| AAB-0447 | Soil   |         |      |     | 28.7 | 4.95 | 0.90 | 3.97 | 0.63 | 3.52 | 0.78 | 2.14 | 0.36 | 2.05 | 0.35 | 6.5  | 15.1 | 13.3 | 158 | 23.9 | 11.6 | 1.4 | 0.4 | 0.2 |
| AAB-0444 | Soil   |         |      |     | 29.1 | 4.80 | 0.93 | 4.11 | 0.68 | 4.16 | 0.85 | 2.52 | 0.39 | 2.39 | 0.40 | 8.2  | 22.6 | 13.9 | 135 | 26.1 | 14.7 | 0.6 | 0.9 | 0.1 |
| AAB-0450 | Soil   |         |      |     | 28.7 | 5.40 | 1.20 | 5.02 | 0.79 | 4.62 | 1.02 | 2.91 | 0.43 | 2.80 | 0.44 | 7.8  | 29.3 | 12.9 | 156 | 32.4 | 13.2 | 2.0 | 1.8 | 0.2 |
| AAB-0464 | Soil   |         |      |     | 29.5 | 5.50 | 1.15 | 4.85 | 0.76 | 4.68 | 0.93 | 2.89 | 0.46 | 2.68 | 0.44 | 16.2 | 34.1 | 20.6 | 454 | 76.3 | 22.4 | 5.6 | 2.9 | 0.2 |
| AAB-0465 | Soil   |         |      |     | 30.1 | 5.19 | 1.03 | 4.34 | 0.69 | 4.12 | 0.78 | 2.38 | 0.34 | 2.30 | 0.34 | 2.0  | 19.2 | 20.6 | 178 | 27.9 | 12.5 | 4.2 | 0.6 | 0.2 |
| AAB-0463 | Soil   |         |      |     | 38.5 | 6.61 | 1.29 | 5.50 | 0.88 | 4.93 | 1.00 | 2.89 | 0.45 | 2.82 | 0.42 | 6.0  | 20.4 | 21.8 | 228 | 41.7 | 17.3 | 3.2 | 1.0 | 0.2 |
| AAB-0462 | Soil   |         |      |     | 30.2 | 5.36 | 1.11 | 4.51 | 0.69 | 4.07 | 0.77 | 2.28 | 0.36 | 2.20 | 0.34 | 2.2  | 14.1 | 36.5 | 303 | 33.0 | 14.2 | 6.3 | 0.6 | 0.2 |
| AAB-0461 | Soil   |         |      |     | 33.7 | 6.08 | 1.26 | 5.44 | 0.85 | 4.69 | 0.90 | 2.65 | 0.42 | 2.91 | 0.39 | 4.7  | 19.3 | 26.0 | 318 | 54.4 | 18.7 | 3.2 | 1.0 | 0.2 |
| AAB-0460 | Soil   |         |      |     | 32.8 | 5.84 | 1.17 | 5.21 | 0.81 | 4.71 | 0.92 | 2.79 | 0.43 | 2.83 | 0.43 | 4.0  | 29.2 | 40.6 | 332 | 58.6 | 25.8 | 4.0 | 1.0 | 0.2 |
| AAB-0459 | Soil   |         |      |     | 29.8 | 5.23 | 1.12 | 4.56 | 0.75 | 4.48 | 0.88 | 2.52 | 0.38 | 2.57 | 0.39 | 4.1  | 27.3 | 30.0 | 352 | 55.7 | 23.8 | 3.1 | 1.3 | 0.2 |
| AAB-0458 | Soil   |         |      |     | 29.3 | 5.20 | 1.14 | 4.66 | 0.74 | 4.20 | 0.91 | 2.82 | 0.40 | 2.44 | 0.40 | 4.0  | 29.7 | 27.0 | 328 | 58.8 | 20.1 | 2.6 | 1.2 | 0.2 |
| AAB-0457 | Soil   |         |      |     | 34.3 | 5.87 | 1.20 | 5.01 | 0.79 | 4.31 | 0.87 | 2.70 | 0.39 | 2.39 | 0.38 | 1.8  | 16.6 | 20.7 | 155 | 29.4 | 15.5 | 1.4 | 0.6 | 0.2 |
| AAB-0455 | Soil   |         |      |     | 30.1 | 5.28 | 1.03 | 4.57 | 0.73 | 3.81 | 0.82 | 2.64 | 0.37 | 2.52 | 0.37 | 3.4  | 27.5 | 22.4 | 340 | 56.0 | 35.2 | 3.6 | 1.7 | 0.2 |
| AAB-0454 | Soil   |         |      |     | 28.2 | 5.06 | 1.01 | 4.32 | 0.68 | 3.93 | 0.79 | 2.27 | 0.34 | 2.25 | 0.34 | 3.1  | 20.3 | 23.8 | 276 | 44.6 | 30.3 | 3.6 | 1.0 | 0.2 |
| AAB-0452 | Soil   |         |      |     | 18.4 | 3.08 | 0.63 | 2.78 | 0.43 | 2.37 | 0.44 | 1.34 | 0.21 | 1.38 | 0.22 | 1.6  | 6.4  | 12.0 | 158 | 16.1 | 7.2  | 1.9 | 0.5 | 0.1 |
| AAB-0451 | Soil   |         |      |     | 30.5 | 4.98 | 0.89 | 3.79 | 0.62 | 3.66 | 0.71 | 2.24 | 0.35 | 2.05 | 0.34 | 4.2  | 8.1  | 17.3 | 225 | 23.4 | 12.4 | 1.0 | 0.3 | 0.3 |



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**Report Date:** November 22, 2011

**Page:** 6 of 6 **Part** 3

## CERTIFICATE OF ANALYSIS

VAN11004233.1

|          | Method<br>Analyte<br>Unit<br>MDL | 1DX  | 1DX  | 1DX  | 1DX | 1DX  |
|----------|----------------------------------|------|------|------|-----|------|
|          |                                  | Ag   | Au   | Hg   | Tl  | Se   |
|          |                                  | ppm  | ppb  | ppm  | ppm | ppm  |
|          |                                  | 0.1  | 0.5  | 0.01 | 0.1 | 0.5  |
| AAB-0441 | Soil                             | 0.2  | <0.5 | 0.02 | 0.1 | 1.8  |
| AAB-0443 | Soil                             | 0.3  | 0.9  | 0.04 | 0.1 | 2.9  |
| AAB-0438 | Soil                             | 0.4  | <0.5 | 0.07 | 0.2 | 3.7  |
| AAB-0447 | Soil                             | 0.5  | <0.5 | 0.03 | 0.3 | 0.8  |
| AAB-0444 | Soil                             | 0.3  | <0.5 | 0.03 | 0.2 | 5.4  |
| AAB-0450 | Soil                             | 0.7  | 0.8  | 0.12 | 0.1 | 3.7  |
| AAB-0464 | Soil                             | 1.0  | <0.5 | 0.12 | 0.8 | 3.1  |
| AAB-0465 | Soil                             | 0.2  | 0.5  | 0.05 | 0.2 | 0.7  |
| AAB-0463 | Soil                             | 0.4  | <0.5 | 0.05 | 0.3 | 1.3  |
| AAB-0462 | Soil                             | 0.5  | <0.5 | 0.05 | 0.2 | 0.5  |
| AAB-0461 | Soil                             | 0.4  | 0.6  | 0.06 | 0.3 | 1.2  |
| AAB-0460 | Soil                             | 0.3  | <0.5 | 0.11 | 0.5 | 0.8  |
| AAB-0459 | Soil                             | 0.3  | 1.2  | 0.12 | 0.6 | 0.9  |
| AAB-0458 | Soil                             | 0.3  | 2.2  | 0.11 | 0.6 | 0.8  |
| AAB-0457 | Soil                             | 0.2  | <0.5 | 0.07 | 0.2 | 0.6  |
| AAB-0455 | Soil                             | 0.3  | 1.0  | 0.28 | 1.9 | 0.8  |
| AAB-0454 | Soil                             | 0.2  | <0.5 | 0.12 | 1.3 | 0.8  |
| AAB-0452 | Soil                             | <0.1 | <0.5 | 0.04 | 0.2 | <0.5 |
| AAB-0451 | Soil                             | 0.3  | <0.5 | 0.02 | 0.2 | 0.8  |



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Part 1

## QUALITY CONTROL REPORT

VAN11004233.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B  | 4B   | 4B  | 4B   | 4B   | 4B   | 4B   | 4B  | 4B    | 4B  | 4B   | 4B  | 4B  | 4B  | 4B    | 4B   | 4B   | 4B   |
|---------------------|----------------------------------|------|-----|------|-----|------|------|------|------|-----|-------|-----|------|-----|-----|-----|-------|------|------|------|
|                     |                                  | Ba   | Be  | Co   | Cs  | Ga   | Hf   | Nb   | Rb   | Sn  | Sr    | Ta  | Th   | U   | V   | W   | Zr    | Y    | La   | Ce   |
|                     |                                  | ppm  | ppm | ppm  | ppm | ppm  | ppm  | ppm  | ppm  | ppm | ppm   | ppm | ppm  | ppm | ppm | ppm | ppm   | ppm  | ppm  | ppm  |
|                     |                                  | 1    | 1   | 0.2  | 0.1 | 0.5  | 0.1  | 0.1  | 0.1  | 1   | 0.5   | 0.1 | 0.2  | 0.1 | 8   | 0.5 | 0.1   | 0.1  | 0.1  | 0.1  |
| Pulp Duplicates     |                                  |      |     |      |     |      |      |      |      |     |       |     |      |     |     |     |       |      |      |      |
| BCQ-0287            | Soil                             | 2054 | <1  | 2.6  | 4.9 | 12.8 | 8.1  | 18.7 | 94.9 | 3   | 93.7  | 1.2 | 10.4 | 3.9 | 219 | 1.7 | 291.6 | 23.7 | 40.2 | 73.2 |
| REP BCQ-0287        | QC                               |      |     |      |     |      |      |      |      |     |       |     |      |     |     |     |       |      |      |      |
| BCQ-0293            | Soil                             | 1164 | 1   | 2.4  | 3.0 | 10.7 | 9.0  | 13.4 | 57.0 | 2   | 71.3  | 1.0 | 7.5  | 3.7 | 213 | 1.2 | 308.4 | 18.8 | 33.3 | 60.6 |
| REP BCQ-0293        | QC                               | 1172 | <1  | 2.4  | 3.0 | 10.4 | 9.1  | 13.8 | 56.9 | 2   | 69.9  | 1.0 | 7.9  | 3.7 | 215 | 1.2 | 322.3 | 20.0 | 30.8 | 56.6 |
| WJH-047             | Soil                             | 1305 | 2   | 9.9  | 3.4 | 9.8  | 7.3  | 19.3 | 67.1 | 2   | 57.5  | 1.3 | 9.4  | 5.1 | 399 | 1.1 | 265.2 | 33.9 | 39.6 | 73.5 |
| REP WJH-047         | QC                               |      |     |      |     |      |      |      |      |     |       |     |      |     |     |     |       |      |      |      |
| WJH-061             | Soil                             | 2532 | 2   | 9.5  | 3.4 | 10.2 | 7.5  | 18.6 | 72.0 | 2   | 60.1  | 1.2 | 10.0 | 6.0 | 538 | 1.4 | 281.5 | 41.0 | 42.0 | 77.1 |
| REP WJH-061         | QC                               | 2481 | 2   | 9.5  | 3.4 | 10.5 | 7.5  | 18.5 | 72.2 | 1   | 59.8  | 1.2 | 9.8  | 6.1 | 543 | 1.4 | 284.3 | 40.1 | 41.9 | 74.7 |
| J2-240              | Soil                             | 573  | <1  | 3.8  | 3.3 | 12.2 | 10.2 | 18.7 | 69.0 | 3   | 104.6 | 1.3 | 11.8 | 3.7 | 120 | 1.6 | 361.2 | 21.4 | 37.4 | 71.2 |
| REP J2-240          | QC                               | 580  | 3   | 5.4  | 3.3 | 12.3 | 9.5  | 17.4 | 67.1 | 2   | 103.0 | 1.3 | 11.7 | 3.6 | 119 | 1.7 | 356.9 | 21.8 | 38.1 | 71.9 |
| J2-250              | Soil                             | 659  | <1  | 5.5  | 3.1 | 10.6 | 6.8  | 14.5 | 86.8 | 1   | 83.1  | 1.1 | 9.5  | 2.3 | 85  | 0.9 | 246.4 | 16.1 | 28.5 | 56.7 |
| REP J2-250          | QC                               |      |     |      |     |      |      |      |      |     |       |     |      |     |     |     |       |      |      |      |
| AAB-0444            | Soil                             | 4541 | <1  | 4.5  | 2.8 | 11.2 | 7.0  | 16.0 | 61.0 | 2   | 52.5  | 1.0 | 8.6  | 5.4 | 336 | 1.2 | 274.6 | 27.9 | 35.4 | 65.0 |
| REP AAB-0444        | QC                               |      |     |      |     |      |      |      |      |     |       |     |      |     |     |     |       |      |      |      |
| AAB-0455            | Soil                             | 2050 | <1  | 12.5 | 5.3 | 13.1 | 5.8  | 21.7 | 92.6 | 2   | 70.6  | 1.4 | 10.6 | 3.4 | 208 | 1.2 | 239.2 | 27.0 | 39.3 | 74.0 |
| REP AAB-0455        | QC                               | 2240 | <1  | 12.0 | 5.6 | 13.1 | 5.9  | 22.4 | 90.6 | 2   | 70.8  | 1.4 | 10.9 | 3.5 | 208 | 0.9 | 236.1 | 26.8 | 39.2 | 72.7 |
| Reference Materials |                                  |      |     |      |     |      |      |      |      |     |       |     |      |     |     |     |       |      |      |      |
| STD DS8             | Standard                         |      |     |      |     |      |      |      |      |     |       |     |      |     |     |     |       |      |      |      |
| STD DS8             | Standard                         |      |     |      |     |      |      |      |      |     |       |     |      |     |     |     |       |      |      |      |
| STD DS8             | Standard                         |      |     |      |     |      |      |      |      |     |       |     |      |     |     |     |       |      |      |      |
| STD DS8             | Standard                         |      |     |      |     |      |      |      |      |     |       |     |      |     |     |     |       |      |      |      |
| STD DS8             | Standard                         |      |     |      |     |      |      |      |      |     |       |     |      |     |     |     |       |      |      |      |
| STD DS8             | Standard                         |      |     |      |     |      |      |      |      |     |       |     |      |     |     |     |       |      |      |      |
| STD OREAS45CA       | Standard                         |      |     |      |     |      |      |      |      |     |       |     |      |     |     |     |       |      |      |      |
| STD OREAS45CA       | Standard                         |      |     |      |     |      |      |      |      |     |       |     |      |     |     |     |       |      |      |      |
| STD OREAS45CA       | Standard                         |      |     |      |     |      |      |      |      |     |       |     |      |     |     |     |       |      |      |      |
| STD OREAS45CA       | Standard                         |      |     |      |     |      |      |      |      |     |       |     |      |     |     |     |       |      |      |      |
| STD OREAS45CA       | Standard                         |      |     |      |     |      |      |      |      |     |       |     |      |     |     |     |       |      |      |      |



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Part 2

## QUALITY CONTROL REPORT

VAN11004233.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 4B   | 1DX  | 1DX  | 1DX   | 1DX   | 1DX | 1DX   | 1DX  | 1DX  | 1DX  |
|---------------------|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-----|-------|------|------|------|
|                     |                                  | Nd   | Sm   | Eu   | Gd   | Tb   | Dy   | Ho   | Er   | Tm   | Yb   | Lu   | Mo   | Cu    | Pb    | Zn  | Ni    | As   | Cd   | Sb   |
|                     |                                  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm  | ppm   | ppm   | ppm | ppm   | ppm  | ppm  | ppm  |
|                     |                                  | 0.3  | 0.05 | 0.02 | 0.05 | 0.01 | 0.05 | 0.02 | 0.03 | 0.01 | 0.05 | 0.01 | 0.1  | 0.1   | 0.1   | 1   | 0.1   | 0.5  | 0.1  | 0.1  |
| Pulp Duplicates     |                                  |      |      |      |      |      |      |      |      |      |      |      |      |       |       |     |       |      |      |      |
| BCQ-0287            | Soil                             | 30.9 | 5.24 | 0.94 | 4.23 | 0.70 | 4.00 | 0.83 | 2.56 | 0.39 | 2.52 | 0.39 | 5.7  | 7.8   | 13.5  | 38  | 7.4   | 8.2  | 0.1  | 0.5  |
| REP BCQ-0287        | QC                               |      |      |      |      |      |      |      |      |      |      |      | 5.7  | 8.0   | 13.6  | 36  | 7.7   | 8.4  | 0.2  | 0.7  |
| BCQ-0293            | Soil                             | 25.5 | 4.28 | 0.70 | 3.11 | 0.53 | 3.09 | 0.65 | 1.95 | 0.30 | 1.97 | 0.31 | 11.9 | 11.0  | 11.0  | 29  | 7.2   | 11.6 | <0.1 | 0.6  |
| REP BCQ-0293        | QC                               | 23.6 | 4.08 | 0.72 | 3.30 | 0.54 | 3.13 | 0.67 | 2.04 | 0.31 | 2.04 | 0.33 |      |       |       |     |       |      |      |      |
| WJH-047             | Soil                             | 34.1 | 6.26 | 1.32 | 5.43 | 0.88 | 5.06 | 1.07 | 3.15 | 0.46 | 2.89 | 0.45 | 12.8 | 27.1  | 23.9  | 419 | 63.3  | 21.2 | 7.3  | 4.6  |
| REP WJH-047         | QC                               |      |      |      |      |      |      |      |      |      |      |      | 12.9 | 27.1  | 24.5  | 419 | 64.9  | 21.8 | 7.0  | 4.4  |
| WJH-061             | Soil                             | 37.5 | 6.78 | 1.39 | 6.19 | 0.98 | 6.03 | 1.24 | 3.54 | 0.51 | 3.21 | 0.53 | 16.1 | 43.3  | 24.6  | 603 | 99.6  | 22.5 | 10.3 | 5.9  |
| REP WJH-061         | QC                               | 36.0 | 6.55 | 1.33 | 6.03 | 0.95 | 5.61 | 1.19 | 3.38 | 0.51 | 3.20 | 0.52 |      |       |       |     |       |      |      |      |
| J2-240              | Soil                             | 31.0 | 4.95 | 0.88 | 3.83 | 0.64 | 3.77 | 0.86 | 2.44 | 0.39 | 2.73 | 0.38 | 1.7  | 6.5   | 10.7  | 33  | 8.2   | 6.5  | 0.1  | 0.2  |
| REP J2-240          | QC                               | 31.4 | 5.07 | 0.81 | 3.68 | 0.61 | 3.53 | 0.80 | 2.57 | 0.37 | 2.23 | 0.40 |      |       |       |     |       |      |      |      |
| J2-250              | Soil                             | 24.3 | 3.84 | 0.73 | 3.12 | 0.48 | 2.71 | 0.63 | 1.63 | 0.25 | 1.61 | 0.27 | 0.8  | 5.0   | 9.1   | 65  | 8.8   | 4.4  | 0.8  | 0.2  |
| REP J2-250          | QC                               |      |      |      |      |      |      |      |      |      |      |      | 0.7  | 4.8   | 8.3   | 58  | 8.2   | 4.0  | 0.6  | 0.2  |
| AAB-0444            | Soil                             | 29.1 | 4.80 | 0.93 | 4.11 | 0.68 | 4.16 | 0.85 | 2.52 | 0.39 | 2.39 | 0.40 | 8.2  | 22.6  | 13.9  | 135 | 26.1  | 14.7 | 0.6  | 0.9  |
| REP AAB-0444        | QC                               |      |      |      |      |      |      |      |      |      |      |      | 8.5  | 22.4  | 14.0  | 135 | 26.1  | 14.9 | 0.8  | 0.9  |
| AAB-0455            | Soil                             | 30.1 | 5.28 | 1.03 | 4.57 | 0.73 | 3.81 | 0.82 | 2.64 | 0.37 | 2.52 | 0.37 | 3.4  | 27.5  | 22.4  | 340 | 56.0  | 35.2 | 3.6  | 1.7  |
| REP AAB-0455        | QC                               | 31.0 | 4.87 | 1.08 | 4.61 | 0.72 | 3.94 | 0.82 | 2.40 | 0.38 | 2.42 | 0.35 |      |       |       |     |       |      |      |      |
| Reference Materials |                                  |      |      |      |      |      |      |      |      |      |      |      |      |       |       |     |       |      |      |      |
| STD DS8             | Standard                         |      |      |      |      |      |      |      |      |      |      |      | 14.4 | 119.1 | 128.8 | 337 | 40.2  | 27.2 | 2.5  | 3.8  |
| STD DS8             | Standard                         |      |      |      |      |      |      |      |      |      |      |      | 11.1 | 103.4 | 112.4 | 292 | 36.5  | 22.8 | 2.3  | 4.6  |
| STD DS8             | Standard                         |      |      |      |      |      |      |      |      |      |      |      | 14.1 | 111.6 | 115.2 | 294 | 38.7  | 24.3 | 2.2  | 4.5  |
| STD DS8             | Standard                         |      |      |      |      |      |      |      |      |      |      |      | 11.4 | 109.8 | 129.0 | 315 | 38.1  | 27.8 | 2.5  | 4.7  |
| STD DS8             | Standard                         |      |      |      |      |      |      |      |      |      |      |      | 12.6 | 111.1 | 128.7 | 312 | 39.5  | 25.8 | 2.5  | 5.0  |
| STD DS8             | Standard                         |      |      |      |      |      |      |      |      |      |      |      | 13.6 | 110.5 | 122.2 | 309 | 38.0  | 25.1 | 2.2  | 3.6  |
| STD OREAS45CA       | Standard                         |      |      |      |      |      |      |      |      |      |      |      | 0.7  | 522.1 | 20.9  | 63  | 246.8 | 3.2  | <0.1 | <0.1 |
| STD OREAS45CA       | Standard                         |      |      |      |      |      |      |      |      |      |      |      | 0.8  | 477.6 | 18.8  | 61  | 240.6 | 3.9  | <0.1 | 0.1  |
| STD OREAS45CA       | Standard                         |      |      |      |      |      |      |      |      |      |      |      | 1.1  | 520.8 | 22.6  | 63  | 255.6 | 3.9  | <0.1 | 0.1  |
| STD OREAS45CA       | Standard                         |      |      |      |      |      |      |      |      |      |      |      | 0.9  | 465.7 | 21.6  | 58  | 211.3 | 4.3  | 0.1  | 0.1  |
| STD OREAS45CA       | Standard                         |      |      |      |      |      |      |      |      |      |      |      | 0.8  | 539.6 | 21.9  | 70  | 268.1 | 3.9  | <0.1 | <0.1 |



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**Report Date:** November 22, 2011

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## QUALITY CONTROL REPORT

VAN11004233.1

|                     | Method<br>Analyte<br>Unit<br>MDL | 1DX  | 1DX   | 1DX  | 1DX  | 1DX  |
|---------------------|----------------------------------|------|-------|------|------|------|
|                     |                                  | Ag   | Au    | Hg   | Tl   | Se   |
|                     |                                  | ppm  | ppb   | ppm  | ppm  | ppm  |
|                     |                                  | 0.1  | 0.5   | 0.01 | 0.1  | 0.5  |
| Pulp Duplicates     |                                  |      |       |      |      |      |
| BCQ-0287            | Soil                             | 0.3  | 1.3   | 0.03 | 0.2  | 1.7  |
| REP BCQ-0287        | QC                               | 0.3  | 0.7   | 0.04 | 0.3  | 1.9  |
| BCQ-0293            | Soil                             | 0.4  | 2.1   | 0.05 | 0.2  | 2.1  |
| REP BCQ-0293        | QC                               |      |       |      |      |      |
| WJH-047             | Soil                             | 0.5  | <0.5  | 0.07 | 0.5  | 2.9  |
| REP WJH-047         | QC                               | 0.5  | 1.0   | 0.08 | 0.5  | 2.3  |
| WJH-061             | Soil                             | 1.8  | 0.6   | 0.17 | 0.9  | 4.1  |
| REP WJH-061         | QC                               |      |       |      |      |      |
| J2-240              | Soil                             | <0.1 | <0.5  | 0.03 | 0.1  | 0.6  |
| REP J2-240          | QC                               |      |       |      |      |      |
| J2-250              | Soil                             | <0.1 | <0.5  | 0.05 | <0.1 | <0.5 |
| REP J2-250          | QC                               | <0.1 | <0.5  | 0.02 | <0.1 | <0.5 |
| AAB-0444            | Soil                             | 0.3  | <0.5  | 0.03 | 0.2  | 5.4  |
| REP AAB-0444        | QC                               | 0.3  | <0.5  | 0.03 | 0.2  | 4.0  |
| AAB-0455            | Soil                             | 0.3  | 1.0   | 0.28 | 1.9  | 0.8  |
| REP AAB-0455        | QC                               |      |       |      |      |      |
| Reference Materials |                                  |      |       |      |      |      |
| STD DS8             | Standard                         | 2.1  | 105.1 | 0.23 | 5.8  | 5.2  |
| STD DS8             | Standard                         | 1.5  | 94.8  | 0.19 | 5.1  | 4.5  |
| STD DS8             | Standard                         | 1.8  | 87.1  | 0.17 | 4.9  | 4.4  |
| STD DS8             | Standard                         | 1.9  | 105.6 | 0.22 | 6.1  | 5.0  |
| STD DS8             | Standard                         | 2.2  | 110.2 | 0.21 | 5.4  | 4.7  |
| STD DS8             | Standard                         | 1.6  | 103.0 | 0.20 | 5.5  | 5.4  |
| STD OREAS45CA       | Standard                         | 0.3  | 42.7  | 0.04 | <0.1 | 0.8  |
| STD OREAS45CA       | Standard                         | 0.3  | 44.0  | 0.03 | <0.1 | 0.6  |
| STD OREAS45CA       | Standard                         | 0.3  | 42.3  | 0.03 | <0.1 | <0.5 |
| STD OREAS45CA       | Standard                         | 0.3  | 41.8  | 0.02 | <0.1 | <0.5 |
| STD OREAS45CA       | Standard                         | 0.3  | 40.7  | 0.03 | <0.1 | 0.6  |



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Part 1

## QUALITY CONTROL REPORT

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|                        |          | 4B<br>Ba<br>ppm<br>1 | 4B<br>Be<br>ppm<br>1 | 4B<br>Co<br>ppm<br>0.2 | 4B<br>Cs<br>ppm<br>0.1 | 4B<br>Ga<br>ppm<br>0.5 | 4B<br>Hf<br>ppm<br>0.1 | 4B<br>Nb<br>ppm<br>0.1 | 4B<br>Rb<br>ppm<br>0.1 | 4B<br>Sn<br>ppm<br>1 | 4B<br>Sr<br>ppm<br>0.5 | 4B<br>Ta<br>ppm<br>0.1 | 4B<br>Th<br>ppm<br>0.2 | 4B<br>U<br>ppm<br>0.1 | 4B<br>V<br>ppm<br>8 | 4B<br>W<br>ppm<br>0.5 | 4B<br>Zr<br>ppm<br>0.1 | 4B<br>Y<br>ppm<br>0.1 | 4B<br>La<br>ppm<br>0.1 | 4B<br>Ce<br>ppm<br>0.1 | 4B<br>Pr<br>ppm<br>0.02 |
|------------------------|----------|----------------------|----------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|----------------------|------------------------|------------------------|------------------------|-----------------------|---------------------|-----------------------|------------------------|-----------------------|------------------------|------------------------|-------------------------|
| STD OREAS45CA          | Standard |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD SO-18              | Standard | 501                  | 3                    | 26.5                   | 6.6                    | 16.4                   | 9.5                    | 20.0                   | 26.0                   | 15                   | 403.3                  | 7.1                    | 10.9                   | 16.0                  | 208                 | 11.9                  | 276.4                  | 30.0                  | 11.4                   | 25.9                   | 3.14                    |
| STD SO-18              | Standard | 508                  | <1                   | 26.8                   | 6.8                    | 17.1                   | 8.5                    | 19.3                   | 26.6                   | 14                   | 398.2                  | 7.0                    | 10.0                   | 15.5                  | 202                 | 13.9                  | 276.6                  | 28.7                  | 11.4                   | 25.6                   | 3.14                    |
| STD SO-18              | Standard | 522                  | 1                    | 25.7                   | 7.2                    | 16.8                   | 9.4                    | 20.7                   | 27.1                   | 17                   | 395.4                  | 7.2                    | 10.4                   | 16.2                  | 211                 | 14.0                  | 277.0                  | 29.2                  | 12.6                   | 25.8                   | 3.32                    |
| STD SO-18              | Standard | 495                  | 2                    | 25.6                   | 6.9                    | 16.2                   | 9.0                    | 19.3                   | 27.4                   | 15                   | 405.8                  | 6.7                    | 9.5                    | 15.3                  | 199                 | 13.4                  | 280.6                  | 30.6                  | 12.5                   | 26.2                   | 3.29                    |
| STD SO-18              | Standard | 474                  | 2                    | 25.6                   | 6.5                    | 16.2                   | 10.0                   | 19.0                   | 26.2                   | 14                   | 397.0                  | 6.5                    | 9.4                    | 14.6                  | 194                 | 13.2                  | 272.7                  | 29.9                  | 11.7                   | 25.8                   | 3.17                    |
| STD SO-18              | Standard | 535                  | 2                    | 27.2                   | 6.8                    | 16.9                   | 9.7                    | 20.1                   | 27.8                   | 15                   | 403.9                  | 7.0                    | 9.9                    | 16.1                  | 219                 | 13.7                  | 286.1                  | 30.4                  | 12.4                   | 27.1                   | 3.43                    |
| STD SO-18              | Standard | 527                  | 1                    | 27.1                   | 6.9                    | 16.9                   | 9.7                    | 20.5                   | 27.7                   | 15                   | 416.8                  | 6.9                    | 9.9                    | 16.3                  | 214                 | 14.5                  | 284.0                  | 31.2                  | 12.2                   | 26.4                   | 3.37                    |
| STD SO-18              | Standard | 533                  | <1                   | 27.4                   | 7.1                    | 17.4                   | 9.5                    | 20.6                   | 28.2                   | 15                   | 421.4                  | 7.0                    | 9.6                    | 16.1                  | 213                 | 14.2                  | 288.1                  | 30.3                  | 12.2                   | 26.3                   | 3.34                    |
| STD SO-18              | Standard | 535                  | <1                   | 27.7                   | 7.0                    | 17.4                   | 10.0                   | 21.8                   | 28.1                   | 15                   | 411.5                  | 7.1                    | 9.9                    | 16.3                  | 217                 | 14.2                  | 291.4                  | 31.7                  | 12.6                   | 27.1                   | 3.40                    |
| STD SO-18              | Standard | 519                  | 2                    | 27.2                   | 7.1                    | 17.2                   | 8.4                    | 20.4                   | 27.6                   | 15                   | 419.8                  | 7.2                    | 10.0                   | 16.8                  | 197                 | 13.1                  | 282.4                  | 30.8                  | 12.2                   | 26.5                   | 3.28                    |
| STD SO-18              | Standard | 538                  | 1                    | 27.5                   | 7.2                    | 17.6                   | 9.1                    | 20.9                   | 28.4                   | 16                   | 429.1                  | 7.1                    | 10.0                   | 16.8                  | 204                 | 13.5                  | 290.8                  | 31.2                  | 12.7                   | 27.8                   | 3.40                    |
| STD DS8 Expected       |          |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD OREAS45CA Expected |          |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| STD SO-18 Expected     |          | 514                  | 1                    | 26.2                   | 7.1                    | 17.6                   | 9.8                    | 21.3                   | 28.7                   | 15                   | 407.4                  | 7.4                    | 9.9                    | 16.4                  | 200                 | 14.8                  | 280                    | 31                    | 12.3                   | 27.1                   | 3.45                    |
| BLK                    | Blank    |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| BLK                    | Blank    |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| BLK                    | Blank    | <1                   | <1                   | <0.2                   | <0.1                   | <0.5                   | <0.1                   | <0.1                   | <0.1                   | <1                   | <0.5                   | <0.1                   | <0.2                   | <0.1                  | <8                  | <0.5                  | <0.1                   | <0.1                  | <0.1                   | <0.1                   | <0.02                   |
| BLK                    | Blank    |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| BLK                    | Blank    |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| BLK                    | Blank    |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| BLK                    | Blank    |                      |                      |                        |                        |                        |                        |                        |                        |                      |                        |                        |                        |                       |                     |                       |                        |                       |                        |                        |                         |
| BLK                    | Blank    | <1                   | <1                   | <0.2                   | <0.1                   | <0.5                   | <0.1                   | <0.1                   | <0.1                   | <1                   | <0.5                   | <0.1                   | <0.2                   | <0.1                  | <8                  | <0.5                  | <0.1                   | <0.1                  | <0.1                   | <0.1                   | <0.02                   |
| BLK                    | Blank    | <1                   | <1                   | <0.2                   | <0.1                   | <0.5                   | <0.1                   | <0.1                   | <0.1                   | <1                   | <0.5                   | <0.1                   | <0.2                   | <0.1                  | <8                  | <0.5                  | <0.1                   | <0.1                  | <0.1                   | <0.1                   | <0.02                   |
| BLK                    | Blank    | <1                   | <1                   | <0.2                   | <0.1                   | <0.5                   | <0.1                   | <0.1                   | <0.1                   | <1                   | <0.5                   | <0.1                   | <0.2                   | <0.1                  | <8                  | <0.5                  | <0.1                   | <0.1                  | <0.1                   | <0.1                   | <0.02                   |
| BLK                    | Blank    | <1                   | <1                   | <0.2                   | <0.1                   | <0.5                   | <0.1                   | <0.1                   | <0.1                   | <1                   | <0.5                   | <0.1                   | <0.2                   | <0.1                  | <8                  | <0.5                  | <0.1                   | <0.1                  | <0.1                   | <0.1                   | <0.02                   |



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Project:

TING 2B

Report Date:

November 22, 2011

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Part 2

## QUALITY CONTROL REPORT

VAN11004233.1

|                        |          | 4B   | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 4B    | 1DX   | 1DX   | 1DX   | 1DX  | 1DX | 1DX   | 1DX  | 1DX  |
|------------------------|----------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----|-------|------|------|
|                        |          | Nd   | Sm    | Eu    | Gd    | Tb    | Dy    | Ho    | Er    | Tm    | Yb    | Lu    | Mo    | Cu    | Pb   | Zn  | Ni    | As   | Cd   |
|                        |          | ppm  | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm   | ppm  | ppm | ppm   | ppm  | ppm  |
|                        |          | 0.3  | 0.05  | 0.02  | 0.05  | 0.01  | 0.05  | 0.02  | 0.03  | 0.01  | 0.05  | 0.01  | 0.1   | 0.1   | 0.1  | 1   | 0.1   | 0.5  | 0.1  |
| STD OREAS45CA          | Standard |      |       |       |       |       |       |       |       |       |       |       | 0.7   | 522.8 | 19.9 | 62  | 264.3 | 3.8  | 0.1  |
| STD SO-18              | Standard | 13.5 | 2.78  | 0.86  | 2.92  | 0.47  | 2.90  | 0.58  | 1.69  | 0.27  | 1.72  | 0.27  |       |       |      |     |       |      |      |
| STD SO-18              | Standard | 13.5 | 2.66  | 0.83  | 2.67  | 0.47  | 2.77  | 0.57  | 1.72  | 0.27  | 1.72  | 0.26  |       |       |      |     |       |      |      |
| STD SO-18              | Standard | 14.3 | 2.98  | 0.87  | 2.96  | 0.49  | 2.88  | 0.64  | 1.81  | 0.28  | 1.90  | 0.30  |       |       |      |     |       |      |      |
| STD SO-18              | Standard | 13.8 | 2.79  | 0.83  | 2.90  | 0.49  | 2.91  | 0.60  | 1.87  | 0.26  | 1.75  | 0.26  |       |       |      |     |       |      |      |
| STD SO-18              | Standard | 12.9 | 2.69  | 0.81  | 2.74  | 0.48  | 2.84  | 0.60  | 1.68  | 0.26  | 1.72  | 0.26  |       |       |      |     |       |      |      |
| STD SO-18              | Standard | 13.4 | 2.88  | 0.85  | 2.91  | 0.51  | 2.99  | 0.63  | 1.87  | 0.29  | 1.87  | 0.28  |       |       |      |     |       |      |      |
| STD SO-18              | Standard | 13.6 | 2.80  | 0.85  | 2.85  | 0.50  | 2.88  | 0.63  | 1.85  | 0.27  | 1.81  | 0.28  |       |       |      |     |       |      |      |
| STD SO-18              | Standard | 13.3 | 2.78  | 0.87  | 2.85  | 0.50  | 2.89  | 0.66  | 1.79  | 0.27  | 1.81  | 0.26  |       |       |      |     |       |      |      |
| STD SO-18              | Standard | 13.8 | 2.87  | 0.86  | 2.94  | 0.50  | 2.97  | 0.66  | 1.93  | 0.28  | 1.77  | 0.28  |       |       |      |     |       |      |      |
| STD SO-18              | Standard | 12.9 | 2.94  | 0.83  | 2.83  | 0.49  | 2.94  | 0.64  | 1.84  | 0.27  | 1.87  | 0.27  |       |       |      |     |       |      |      |
| STD SO-18              | Standard | 13.8 | 3.03  | 0.87  | 2.99  | 0.50  | 3.05  | 0.64  | 1.80  | 0.27  | 1.82  | 0.27  |       |       |      |     |       |      |      |
| STD DS8 Expected       |          |      |       |       |       |       |       |       |       |       |       |       | 13.44 | 110   | 123  | 312 | 38.1  | 26   | 2.38 |
| STD OREAS45CA Expected |          |      |       |       |       |       |       |       |       |       |       |       | 1     | 494   | 20   | 60  | 240   | 3.8  | 0.1  |
| STD SO-18 Expected     |          | 14   | 3     | 0.89  | 2.93  | 0.53  | 3     | 0.62  | 1.84  | 0.27  | 1.79  | 0.27  |       |       |      |     |       |      |      |
| BLK                    | Blank    |      |       |       |       |       |       |       |       |       |       |       | <0.1  | <0.1  | <0.1 | <1  | <0.1  | <0.5 | <0.1 |
| BLK                    | Blank    |      |       |       |       |       |       |       |       |       |       |       | <0.1  | <0.1  | <0.1 | <1  | <0.1  | <0.5 | <0.1 |
| BLK                    | Blank    | <0.3 | <0.05 | <0.02 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 |       |       |      |     |       |      |      |
| BLK                    | Blank    |      |       |       |       |       |       |       |       |       |       |       | <0.1  | <0.1  | <0.1 | <1  | <0.1  | <0.5 | <0.1 |
| BLK                    | Blank    |      |       |       |       |       |       |       |       |       |       |       | <0.1  | <0.1  | <0.1 | <1  | <0.1  | <0.5 | <0.1 |
| BLK                    | Blank    |      |       |       |       |       |       |       |       |       |       |       | <0.1  | <0.1  | <0.1 | <1  | <0.1  | <0.5 | <0.1 |
| BLK                    | Blank    |      |       |       |       |       |       |       |       |       |       |       | <0.1  | <0.1  | <0.1 | <1  | <0.1  | <0.5 | <0.1 |
| BLK                    | Blank    | <0.3 | <0.05 | <0.02 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 |       |       |      |     |       |      |      |
| BLK                    | Blank    | <0.3 | <0.05 | <0.02 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 |       |       |      |     |       |      |      |
| BLK                    | Blank    | <0.3 | <0.05 | <0.02 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 |       |       |      |     |       |      |      |
| BLK                    | Blank    | <0.3 | <0.05 | <0.02 | <0.05 | <0.01 | <0.05 | <0.02 | <0.03 | <0.01 | <0.05 | <0.01 |       |       |      |     |       |      |      |



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**Report Date:** November 22, 2011

**Page:** 2 of 2 **Part** 3

## QUALITY CONTROL REPORT

VAN11004233.1

|                        |          | 1DX<br>Ag<br>ppm<br>0.1 | 1DX<br>Au<br>ppb<br>0.5 | 1DX<br>Hg<br>ppm<br>0.01 | 1DX<br>Tl<br>ppm<br>0.1 | 1DX<br>Se<br>ppm<br>0.5 |
|------------------------|----------|-------------------------|-------------------------|--------------------------|-------------------------|-------------------------|
| STD OREAS45CA          | Standard | 0.3                     | 40.6                    | 0.03                     | 0.1                     | 0.5                     |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD SO-18              | Standard |                         |                         |                          |                         |                         |
| STD DS8 Expected       |          | 1.69                    | 107                     | 0.192                    | 5.4                     | 5.23                    |
| STD OREAS45CA Expected |          | 0.275                   | 43                      | 0.03                     | 0.07                    | 0.5                     |
| STD SO-18 Expected     |          |                         |                         |                          |                         |                         |
| BLK                    | Blank    | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| BLK                    | Blank    | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| BLK                    | Blank    |                         |                         |                          |                         |                         |
| BLK                    | Blank    | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| BLK                    | Blank    | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| BLK                    | Blank    | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| BLK                    | Blank    | <0.1                    | <0.5                    | <0.01                    | <0.1                    | <0.5                    |
| BLK                    | Blank    |                         |                         |                          |                         |                         |
| BLK                    | Blank    |                         |                         |                          |                         |                         |
| BLK                    | Blank    |                         |                         |                          |                         |                         |
| BLK                    | Blank    |                         |                         |                          |                         |                         |