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ASSESSMENT REPORT

describing

GEOCHEMICAL SAMPLING AND PROSPECTING

at the

LLL PROPERTY

LLL 1-220	YD56521-YD56740
221-228	YD07275-YD07282
229-446	YD90609-YD90826

NTS 115J/08 & 115J/09
Latitude 62°32'N; Longitude 138°14'W

located in the

Whitehorse Mining District
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

CENTRAL RESOURCES CORP.
and
STRATEGIC METALS LTD.

by

H. Smith, B.Sc., P.Geo.
February 2012

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INTRODUCTION

The LLL property lies near the centre of the Dawson Range Gold Belt in western Yukon. It hosts potential for vein, breccia and porphyry style mineralization. Exploration in 2011 focused on evaluating a strongly anomalous gold-arsenic-antimony soil geochemical anomaly identified during the 2010 program and expanding geochemical coverage in other parts of the property. Central Resources Corp. can earn a 100% interest in the property subject to an option agreement with Strategic Metals Ltd.

This report describes a 52 day soil sampling and prospecting program that was conducted by Archer, Cathro & Associates (1981) Limited in summer 2011 on behalf of Central. This work was performed between June 15 and August 3, and on August 7 and 28. The author participated in and directed this project, and her Statement of Qualifications appears in Appendix I. On September 26, 2011 a geologist from Smash Minerals performed a property examination with Central's permission.

PROPERTY LOCATION, CLAIM DATA AND ACCESS

The LLL property consists of 446 contiguous mineral claims, which are located on NTS map sheets 115J/08 and 115J/09 at latitude 62°32' north and longitude 138°14' west (Figure 1). The property covers an area of approximately 9031 ha (90.31 sq km). The claims are registered with the Whitehorse Mining Recorder in the name of Archer Cathro, which holds them in trust for Strategic. Specifics concerning claim registration are tabulated below, while the locations of individual claims are shown on Figure 2.

<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date*</u>
LLL 1-220	YD56521-YD56740	April 15, 2015
221-228	YD07275-YD07282	April 15, 2015
229-446	YD90609-YD90826	April 15, 2015

* Expiry date does not include 2011 work that has not yet been filed for assessment credit.

The 2011 soil sampling program was completed from a series of temporary fly camps on the property. Helicopter support for camp moves and supply trips was provided by a Bell 206B helicopter owned and operated by Capital Helicopters (1995) Inc. of Whitehorse, from a temporary base at Rockhaven Resources Limited's Klaza property. The Klaza property lies 70 km southeast of the LLL property and about 70 km by road west of the community of Carmacks.

Prospecting was completed on two separate days. On August 28, Archer Cathro geologists accessed the property via Fireweed Helicopters from its Dawson City base. Smash's property examination was performed on September 26 from a camp on a nearby property using its contracted helicopter.

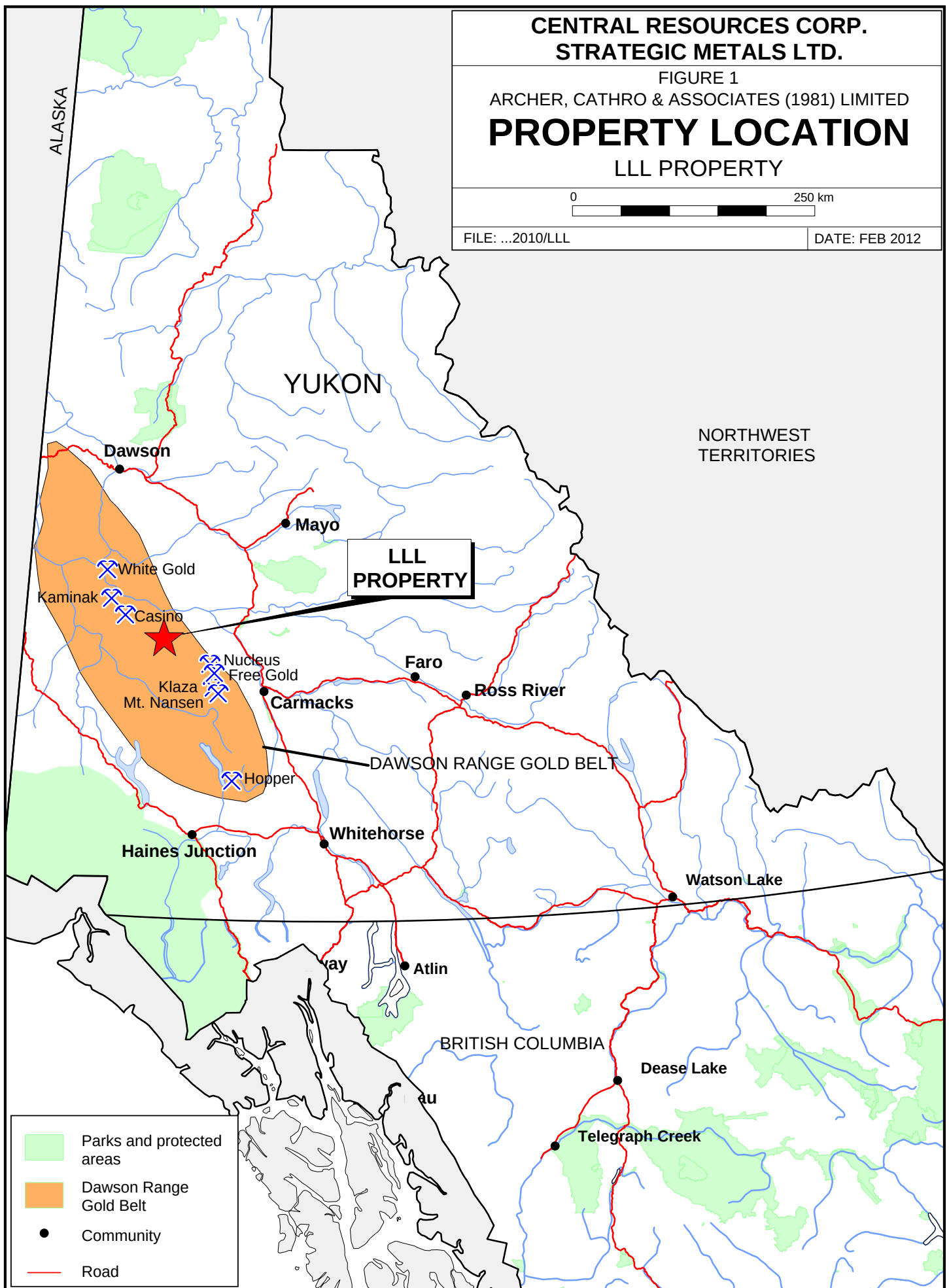
CENTRAL RESOURCES CORP.
STRATEGIC METALS LTD.

FIGURE 1
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
PROPERTY LOCATION
LLL PROPERTY

0 250 km

FILE: ...2010/LLL

DATE: FEB 2012



HISTORY AND PREVIOUS WORK

In 1969, Archer Cathro performed regional exploration in the Dawson Range district for the Dawson Range Joint Venture (DRJV). During that exploration program forty stream sediment samples were collected from what is now the LLL property. Those samples were analyzed for copper, lead and molybdenum. Values up to 117 ppm copper, 2 ppm molybdenum and 49 ppm lead were reported. The DRJV work resulted in the discovery of a small showing (Minfile 115J 015) immediately north of the current LLL property (Figure 2). That showing is described as porphyry style mineralization related to a stock of hornblende diorite that has intruded quartz monzonite. Minor chalcopyrite is reported near the chilled margin of the stock (Deklerk and Traynor, 2005).

In 1974, Archer Cathro again conducted regional exploration in the Dawson Range district, for the Klotassin Joint Venture (KJV). KJV was made up of Newconex Canadian Exploration Ltd., Marietta Resources International Ltd., and Molybdenum Corporation of America. Work performed included 1:50,000 scale reconnaissance-style prospecting, mapping and geochemical sampling (Cathro, 1974). KJV identified an approximately three by four kilometre zone of argillic alteration hosting disseminated tourmaline, which is approximately centered on the porphyry identified by DRJV in 1969. Most of this area is now covered by the Ebay 1 to 20 and 27 to 40 claims owned by Canadian Dehua International Mines Group Inc. (Figure 2). KJV collected 284 soil samples and 22 stream sediment samples from the current LLL property. Those samples were analyzed for copper, molybdenum, lead and zinc. Soil sample values up to 118 ppm copper, 3 ppm molybdenum, 150 ppm lead and 184 ppm zinc were reported. Stream sediment sample values ranged up to 26 ppm copper, 1 ppm molybdenum, 32 ppm lead and 155 ppm zinc (Cathro, 1974).

In 1980, Archer Cathro once more did work in the Dawson Range – now on behalf of the NAT Joint Venture (NAT JV), which comprised Chevron Canada Limited and Armco Mineral Exploration Ltd. The NAT JV program involved reanalyses of splits from over 5000 previously collected samples for gold, silver, arsenic and lead, plus follow up geochemical sampling. None of the earlier samples collected from the area of the current LLL property were reanalyzed, but a number of reconnaissance-scale soil samples were taken in the area in 1980. Those samples were only analyzed for gold. The most anomalous value reported was 470 ppb gold (Archer and Onasick, 1980).

In 1985, Archer Cathro explored as Freegold Venture (FV) for Chevron Canada Limited to follow up targets identified by KJV and NAT JV, which appeared to have potential for bulk tonnage gold deposits. A geochemical sampling program was conducted as part of FV's exploration program on its Selwyn property, which included part of the current LLL property. This sampling comprised five rock samples and 905 soil samples. The rock samples returned up to 40 ppb gold while soil sampling yielded up to 523 ppb gold. Mapping on the Selwyn property identified several highly siliceous breccia zones associated with altered porphyry dykes, but geochemical sampling of these zones returned only slightly elevated values for gold (Eaton and Halleran, 1985).

The Yukon Minfile for NTS map sheet 115J shows historical placer gold workings on Selwyn

River within and downstream of the current LLL property (Figure 2).

In 2010, Strategic staked the LLL property based on the historical geochemical results, and shortly thereafter Central signed an optional purchase agreement with Strategic. Central's 2010 exploration program consisted of geochemical sampling and minor prospecting. Two soil geochemical anomalies were identified (Anomalies A and B).

Anomaly A lies in the northeastern part of the property in an area of gentle relief and minor bedrock exposures. Work in 2010 outlined an 800 by 1000 m zone of coincident gold and arsenic soil sample values ranging up to 470 ppb and 1045 ppm, respectively. Molybdenum and antimony response was moderately to strongly anomalous, while copper and lead values were mostly subdued. The best rock sample from the 2010 program was collected from Anomaly A. It consisted of fault breccia with a punky, limonitic matrix and dark grey siliceous siltstone clasts and it returned 0.208 g/t gold, 0.5 g/t silver, 626 ppm arsenic and 28 ppm antimony (Smith, 2010).

Anomaly B lies in a heavily vegetated area on the western side of the Selwyn River. Sampling in 2010 identified a 600 by 500 m zone of moderately to strongly anomalous gold, copper, antimony and lead. Peak values for those elements were 261 ppb gold, 473 ppm copper, 5 ppm antimony and 158 ppm lead (Smith, 2010). No follow up prospecting was done in this area.

GEOMORPHOLOGY AND CLIMATE

The LLL property is situated in the central part of the Dawson Range and covers an area with gentle to moderate relief. The property is drained by the Selwyn River and Butterfield and Fourmile Creeks, which are all part of the Yukon River watershed. Most of the Dawson Range escaped Pleistocene glaciation and as a result the landscapes are usually mature with dendritic drainages forming radial fans off the flanks of upland domes.

Elevations range from about 1100 to 1550 m above sea level. Approximately 80% of the property lies below treeline. Vegetation consists of moss, dense buckbrush, alder, spruce and some second grown of poplar and birch. Permafrost is prevalent on north facing slopes and in areas where moss and organic matter exceed 20 cm thickness.

Soil profiles in the Dawson Range are complex compared to most other places in Yukon. Due to the absence of glaciation, ridges and spines are deeply weathered and often leached of mobile metals. On hillsides and valley bottoms, the soil profile from surface to bedrock typically consists of the following: a layer of organic matter, which ranges from 10 to 50 cm thick; a layer of 2000 year old volcanic ash from the Mount Churchill eruption, which varies from 0 to 20 cm thick; a layer comprised of loess mixed with soliflucted B and C-horizon residual soil, which ranges from 0 to more than 100 cm thick; and a layer of C-horizon residual soil.

Climate in the LLL area is typical of northern continental regions with long, cold winters, truncated fall and spring seasons and short, mild summers. Although summers are relatively mild, arctic cold fronts often cover the area and snowfall can occur in any month.

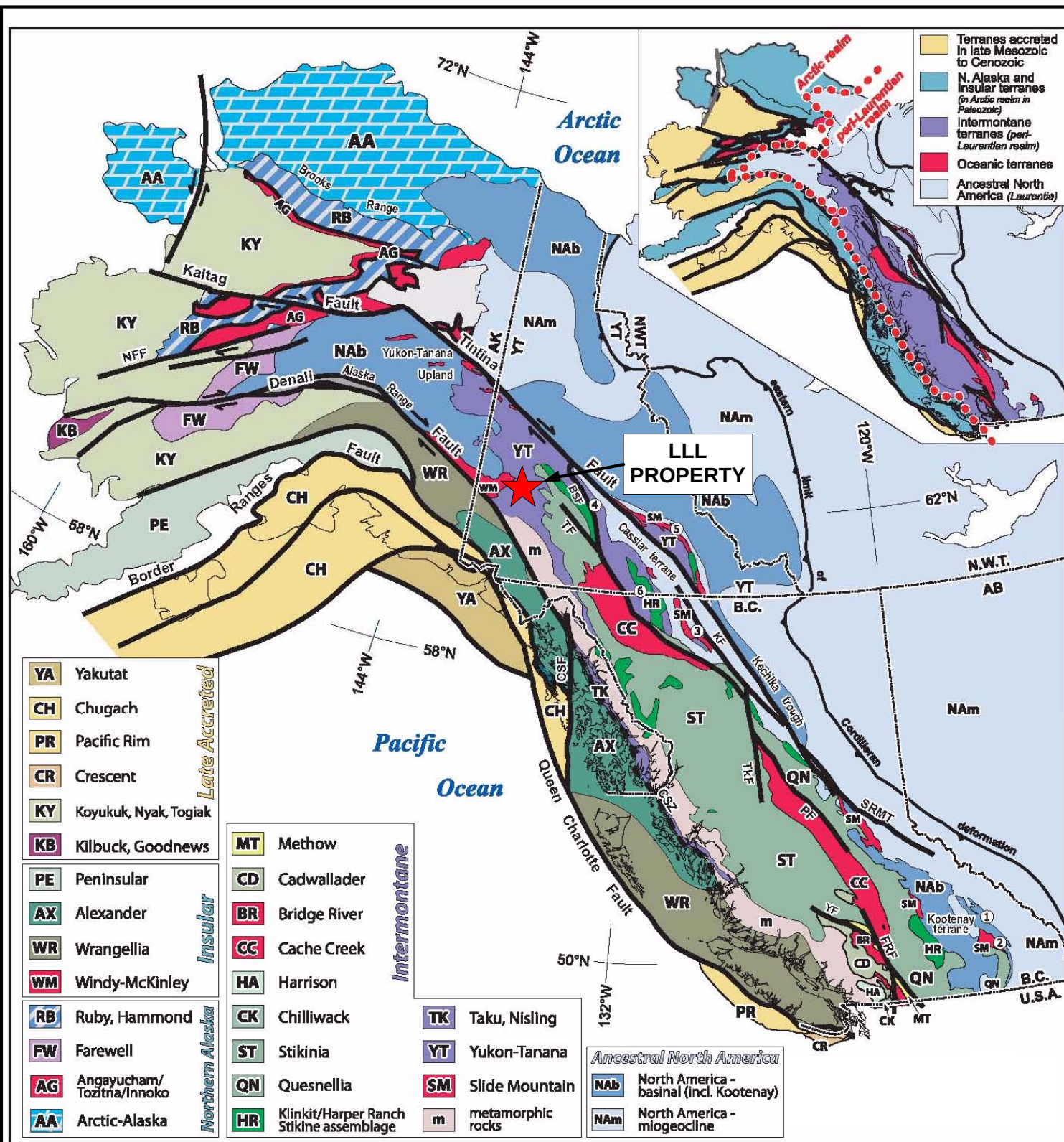
REGIONAL GEOLOGY

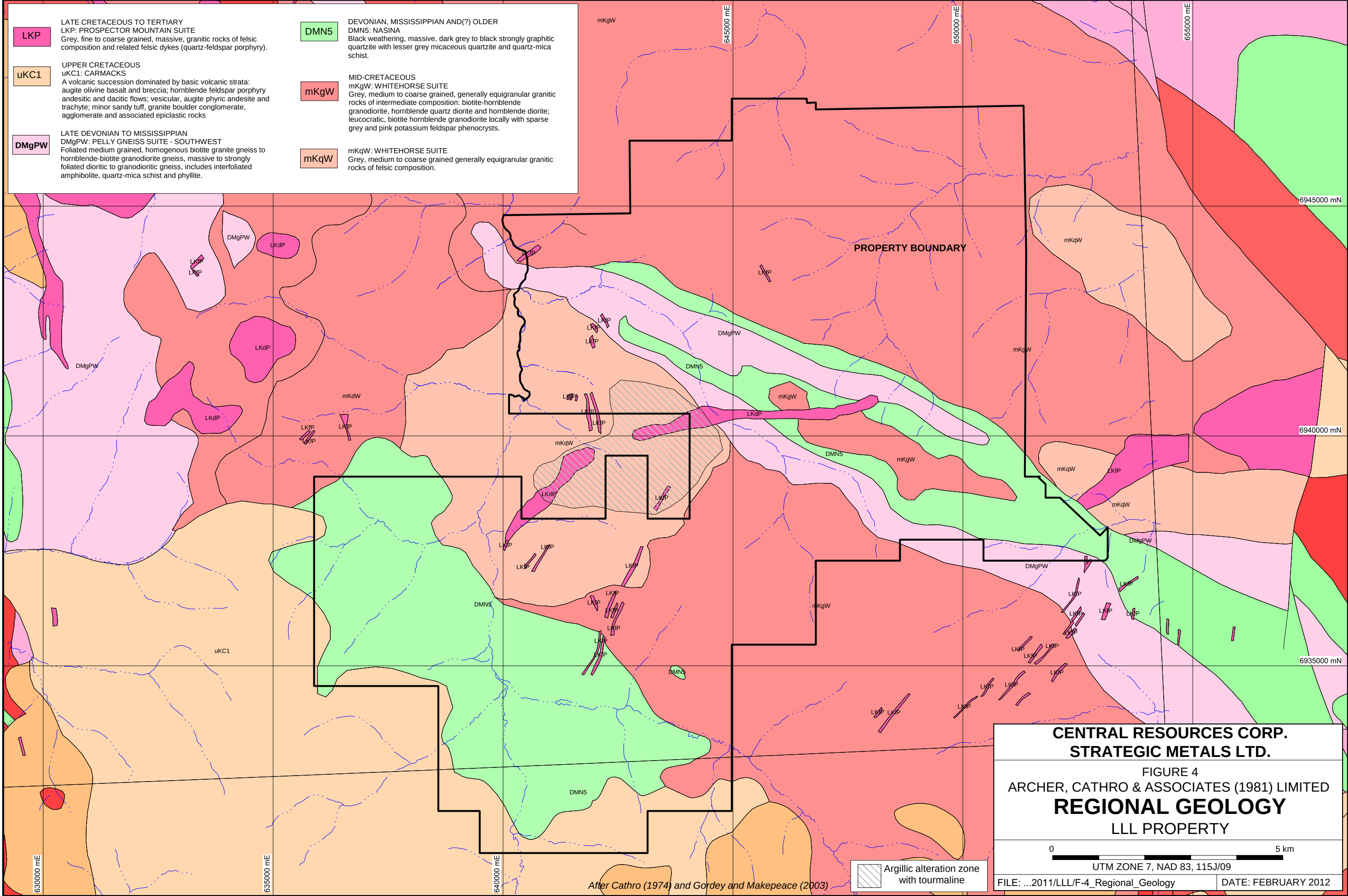
In 1974, the Geological Survey of Canada (GSC) published a geological map of the Snag area (NTS map sheet 115J) at 1:250,000 scale (Templeman-Kluit, 1974). Also in 1974, KJV performed 1:50,000 scale geological mapping on 115J/08 and 115J/09 (Cathro, 1974). In 1981, NAT JV performed 1:25,000 scale geological mapping on parts of 115J/09 (Archer and Onasick, 1981). Gordey and Makepeace (2003) later completed a Yukon-wide geological compilation, which updated the lithological unit names in the LLL area.

The LLL property is located within the Yukon-Tanana Terrane (YTT) as shown on Figure 3. The YTT represents a continental arc that developed along the ancient Pacific margin of North America from Late Devonian to Permian. Figure 4 illustrates geology compiled by Gordey and Makepeace and alteration as mapped by KJV. Rock types described during 1974 mapping have been re-assigned to equivalent map units from the current Yukon Geological Survey (YGS) geological compilation. The main lithological map suites are described in the Table I.

Table I– Lithological Units (*after Gordey and Makepeace, 2003*)

Map Suite	Age	Map Unit	Description
Prospector Mountain Suite	Late Cretaceous to Tertiary	LKP	Grey, fine to coarse grained, massive, granitic rocks of felsic composition and related quartz-feldspar porphyry dykes.
Carmacks Group	Upper Cretaceous	uKC1	A volcanic succession dominated by basic volcanic strata; augite-olivine basalt and breccia; hornblende-feldspar porphyry, andesite and dacite flows; vesicular, augite phyric andesite and trachyte; minor sandy tuff, granite boulder conglomerate, agglomerate and associated epiclastic rocks.
Whitehorse Suite	Mid-Cretaceous	mKgW	Biotite-hornblende granodiorite, hornblende-quartz diorite and hornblende diorite; leucocratic, biotite-hornblende granodiorite with sparse grey-pink potassium feldspar phenocrysts.
		mKqW	Grey, medium to coarse grained, generally equigranular granitic rocks of felsic composition.
Pelly Gneiss Suite	Late Devonian to Mississippian	DMgPW	Foliated medium grained, homogeneous biotite granite gneiss to hornblende granodiorite gneiss; massive to strongly foliated dioritic to granodioritic gneiss; includes interfoliated amphibolite, quartz-mica schist and phyllite.
Nasina Assemblage	Devonian, Mississippian and Older	DMN5	Black weathering, massive, dark grey to black strongly graphitic quartzite with lesser grey micaceous quartzite and quartz-mica schist.





PROPERTY GEOLOGY

No geological mapping was done on the LLL property in 2011. The following interpretation is based on property-scale mapping and work performed by KJV, GSC and YGS.

The western and northeastern parts of the property are underlain by metasediments of DMN5, which were intruded by DMgPW plutons prior to regional deformation. Together, these units form a basal package that was intruded by two phases of Whitehorse Suite plutonic rocks (mKgW and mKqW).

Volcanic rocks (uKC1) unconformably cap DMN5, DMgPW and mKgW in the southwestern part of the claim block. The youngest rocks on the property are a series of approximately northeast trending LKP dykes that intrude all units except uKC1. These dykes generally occur as swarms, which are typically northeast-trending. The largest dyke on the property strikes easterly and is 350 m wide by 5700 m long.

The Ebay claims are underlain by a mKgW stock that has been intruded by predominantly north-easterly elongated LKP dykes. An approximately three by four kilometre zone of argillic alteration hosting disseminated tourmaline is developed within the stock and dykes. The alteration extends off the Ebay claims on to the LLL property. This is the only known area with porphyry potential on the LLL property.

In the northeast corner of the property, there is evidence for a tightly folded, northwest plunging anticline. The axis of this anticline has been intruded by an elongated body of mKgW and its limbs are truncated on both sides by mKgW plutons.

The dominant structural feature in the vicinity of the LLL property is the northwest-striking Big Creek Fault, which lies seven kilometres to the northeast. This steeply dipping feature is poorly understood but appears to have played an important role in localizing mineralization in the district.

REGIONAL MINERALIZATION

There are numerous mineral deposits within the Dawson Range that are associated with large scale structural features (including the Big Creek Fault) and Mid-Cretaceous or younger intrusions. The two properties that closely resemble the setting of the LLL property are: Sonora Gulch (Northern Tiger Resources Ltd.) and Coffee (Kaminak Gold Corporation), the locations of which are shown on Figure 1.

Northern Tiger's Sonora Gulch property lies about 10 km north of the LLL property. It reportedly hosts mineralization within structurally controlled veins, skarns and replacement and stockwork style settings related to Mid-Cretaceous Whitehorse Suite intrusions (mKgW). In 2010, soil sampling identified numerous gold-copper-molybdenum geochemical anomalies (specifically the Nightmusic and Amedius zones). Gold-in-soil values range up to 2340 ppb, copper-in-soil results range up to 1870 ppm and molybdenum-in-soil values range up to 231 ppm.

(Hayes, 2010). In 2010, drill results included: 5.0 g/t gold, 11.9 g/t silver and 0.23% copper over 26.6 m (including 25.8 g/t gold and 6.5 g/t silver over 4 m) at the Nightmusic Zone and 1.0 g/t gold and 6.9 g/t silver over 64 m at the Amedius Zone.

In 2011, Northern Tiger focused on its Gold Vein Zone, which is defined as a 1400 by 500 m geochemical anomaly. It completed a 2649 m diamond drill program that identified bulk tonnage mineralization. Drill results from this zone include: 0.42 g/t gold and 3.8 g/t silver over 94 m; 0.45 g/t gold and 3.0 g/t silver over 234 m; and 0.44 g/t gold and 2.6 g/t silver over 110 m (Hayes, 2011).

Kaminak Gold Corporation is actively exploring its Coffee property, which lies 65 km northwest of the LLL property. The Coffee property has nine known gold zones. The Kona Zone is hosted within granite that has been described as equigranular and non-magnetic with a primary composition of plagioclase, potassium feldspar, quartz, biotite and hornblende. Alteration comprises strong sericite and clay alteration adjacent to mineralized structures. Gold is hosted in near-vertical brittle structures. Mineralization primarily occurs as disseminated pyrite and pyrite veinlets in fractures and shears. High grade gold corresponds with sulphide-matrix fault breccias and pathfinder elements include arsenic and antimony. In 2010, Kaminak reported significant drill results from the Kona Zone including 2.2 g/t gold over 57 m and 1.9 g/t gold over 23 m. The best drill results from the Kona Zone in 2011 were 5.2 g/t gold over 10.7 m, 2.5 g/t gold over 16.7 m and 4.5 g/t gold over 9.1 m (Carpenter, 2011).

Five of Kaminak's nine zones (Supremo, Latte, Double Double, Cappuccino and Macchiato) host gold-bearing breccia structures within metamorphic rocks. These gold-bearing breccias are both hydrothermal and tectonic. In some zones, breccias overprint older ductile strain fabrics consistent with a reactivated shear zone environment (Chartier, 2011).

The gold mineralization on the Coffee property can generally be characterized by two distinct styles. The highest grades (5 to 60 g/t gold) are associated with hydrothermal breccias exhibiting evidence for several episodes of brecciation. Breccia textures range from mature matrix-dominant phases with rounded fragments to wallrock crackle breccias. Matrix compositions range from incompetent limonite-clay material to strongly silicified material. The lower grade gold mineralization (2 to 10 g/t) is associated with pervasive hydrothermal alteration. The hydrothermal alteration is characterized by an overall removal of potassium and aluminum with the addition of sulphide and silica (Chartier, 2011).

MINERALIZATION AND ROCK GEOCHEMISTRY

Prior to 2010, there were no known precious metal showings on the LLL property. In 2010, a rock sample of fault breccia collected from Anomaly A returned 0.208 g/t gold, 0.5 g/t silver, 626 ppm arsenic and 28 ppm antimony (Smith, 2010). In 2011, minor prospecting in the vicinity of Anomaly A was performed on August 28 by Archer Cathro geologists (31 samples) and on September 26 by a Smash geologist (15 samples).

Archer Cathro's rock sample descriptions appear in Appendix II. No rock sample descriptions were provided for Smash's samples. Certificates of Analysis from both sample programs are

provided in Appendix III. Rock sample locations are shown on Figure 5, while thematic data for gold, arsenic, and antimony are illustrated on Figures 6, 7 and 8, respectively.

Archer Cathro's rock geochemical sample sites on the property were marked with orange flagging tape labelled with the sample number. The location of each sample was determined using a handheld GPS unit. Rock sample preparation was carried out at ALS Chemex in Whitehorse, Yukon. Each sample was dried, fine crushed to better than 70% passing -2mm and then a 250 g split was pulverized to better than 85% passing 75 micron. The fine fraction was then sent to ALS Chemex in North Vancouver, BC where it was analyzed for gold using fire assay followed by inductively coupled plasma-atomic emission spectroscopy analysis and for 35 other elements using an aqua regia digestion and inductively coupled plasma-atomic emission spectroscopy analysis (Au-AA24 and ME-ICP41).

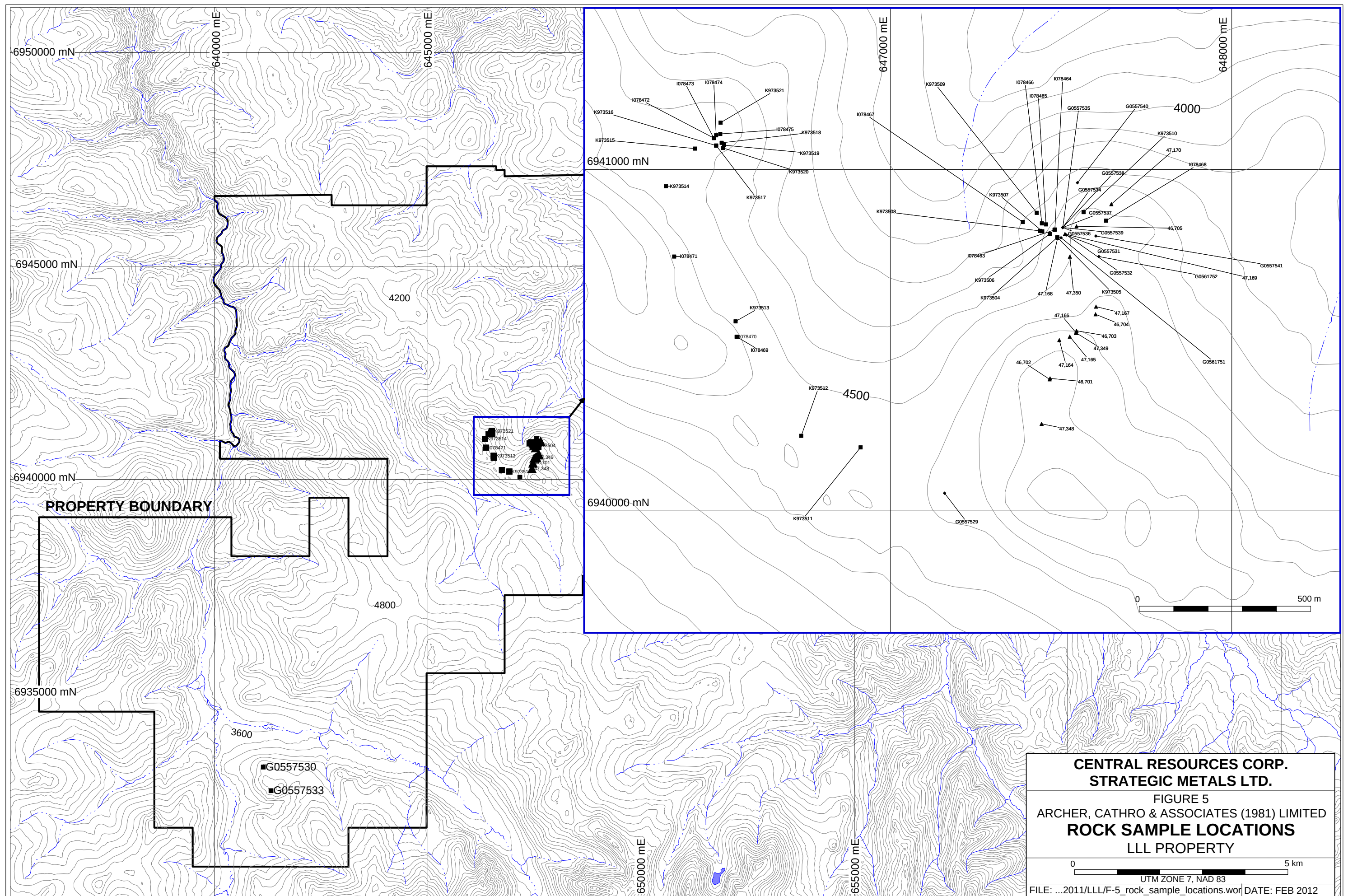
Smash's samples were analyzed by Acme Analytical Laboratories Ltd. in Vancouver, British Columbia (Freeman, 2011). Rock samples were analyzed for gold using a 30 gram sub-sample by fire assay with an atomic absorption finish under 10 g/t gold and a gravimetric finish if greater than 10 g/t gold. All rocks were also analyzed for 36 other elements using a 15 g sub-sample of rock material that was ignited, acid digested, and gold determined by inductively coupled plasma-mass spectroscopy (ICP-MS) before a 0.5 g sub-sample undergoes aqua regia digestion with ICP-MS analysis.

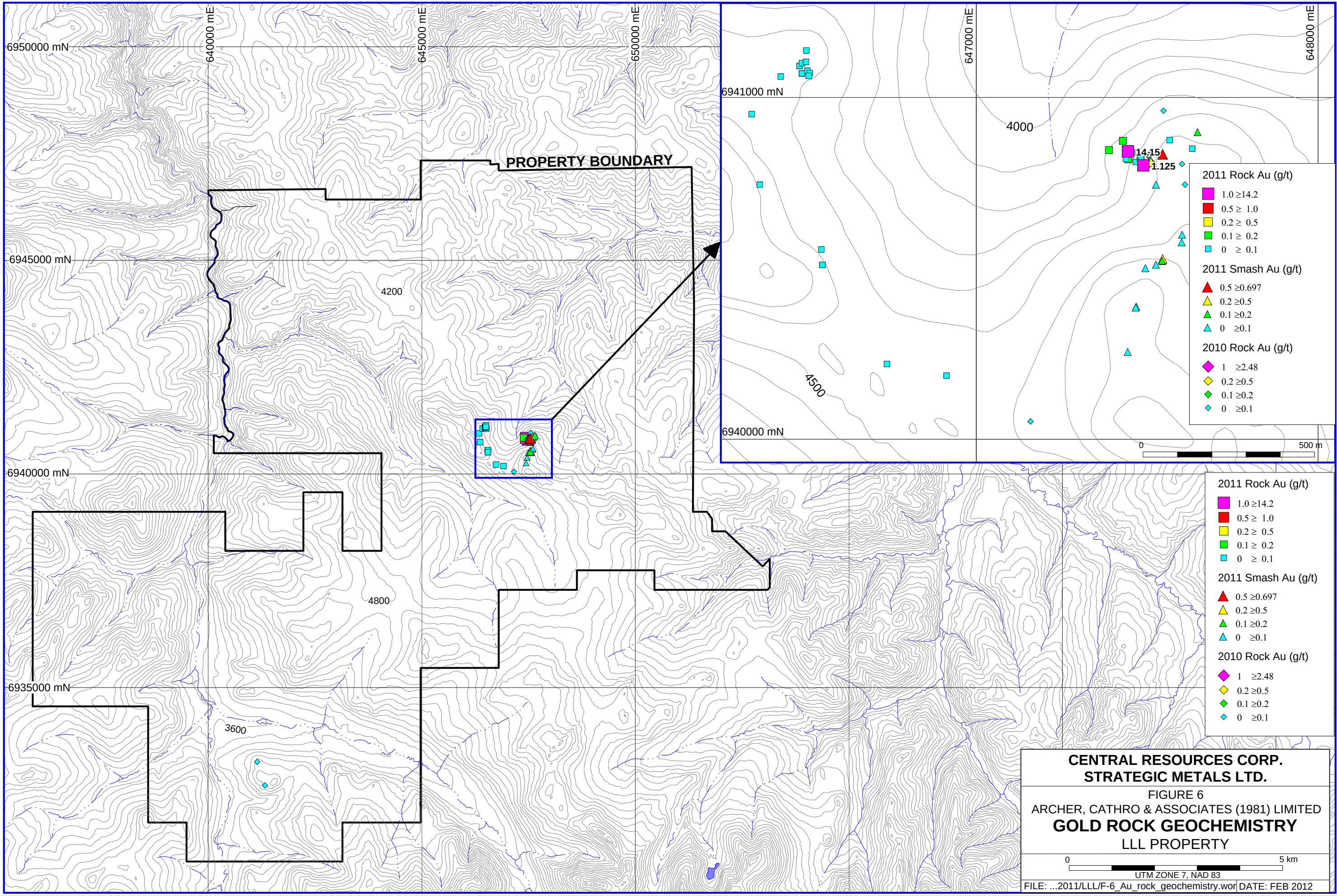
Prospecting in 2011 identified a 100 by 120 m zone of breccia float within Anomaly A. There are no outcrops within this zone. The brecciation appears to be oriented sub-parallel to a geological contact between quartzite (DMN5) and gneiss (DMgPW) in an area cut by a large porphyry dyke (LKP). Geologically favourable material typically ranges from weakly silicified fault breccia to strongly silicified hydrothermal crackle breccia. Mineralization includes disseminated arsenopyrite and minor stibnite with scorodite, limonite and jarosite alteration.

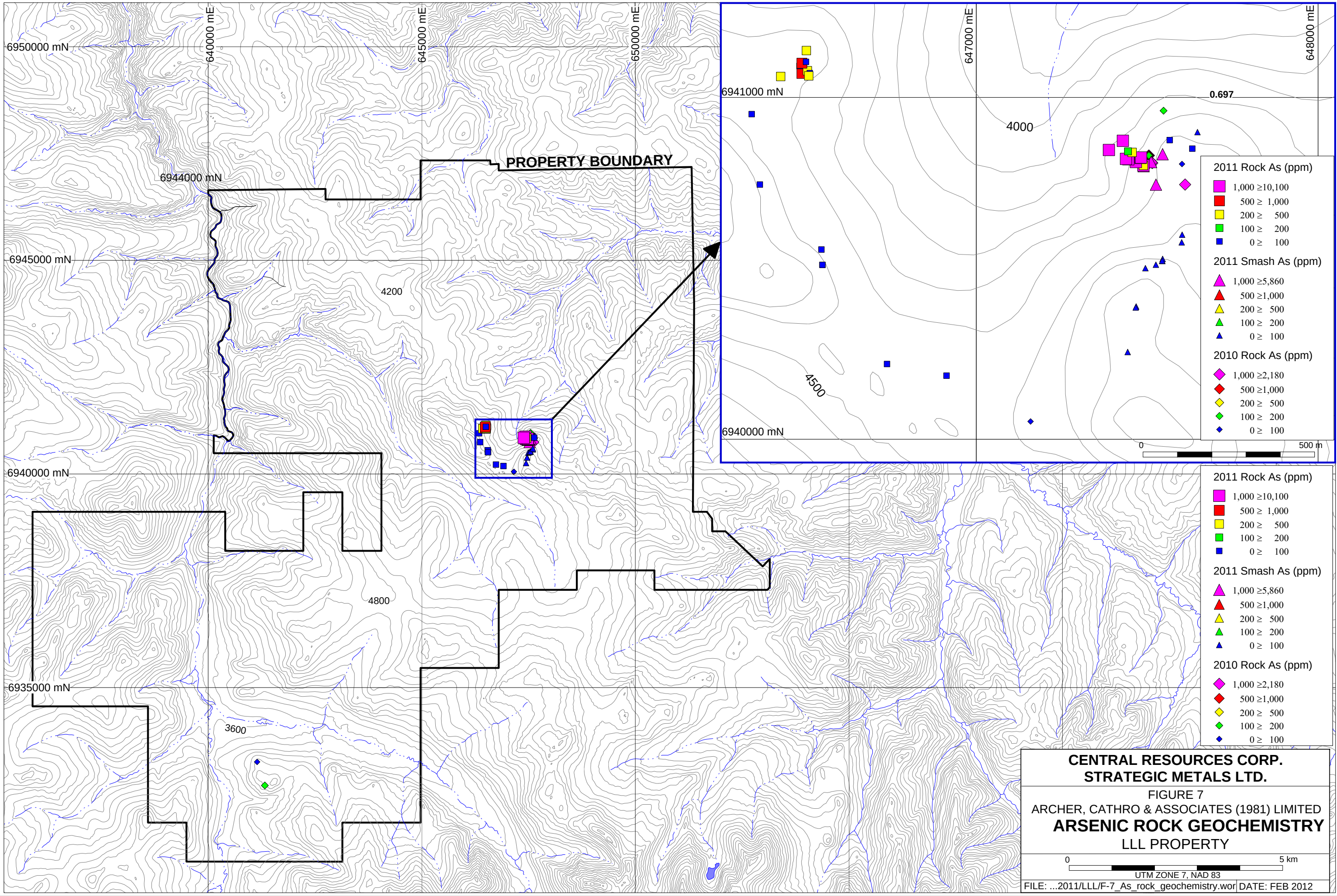
Archer Cathro geologist took 13 rock samples within Anomaly A. The most anomalous of these samples was a specimen of hydrothermal quartz breccia with vugs filled with limonite and minor stibnite. It returned 14.15 g/t gold, 140 ppm arsenic, 10 ppm antimony and 130 ppm barium. The second most anomalous sample was taken from a 60 by 40 by 30 cm boulder of scorodite-stained, epithermal quartz with abundant cross-cutting black sulphides, quartz bands and limonite-filled quartz cavities. This sample returned 1.125 g/t gold, greater than 1% arsenic, 81 ppm antimony and 3060 ppm barium. The highest antimony value (684 ppm) was from a heavy, well foliated metasediment (quartzite-sandstone) with a five centimetre quartz-carbonate vein and abundant goethite and black limonite. This specimen also yielded 2060 ppm barium.

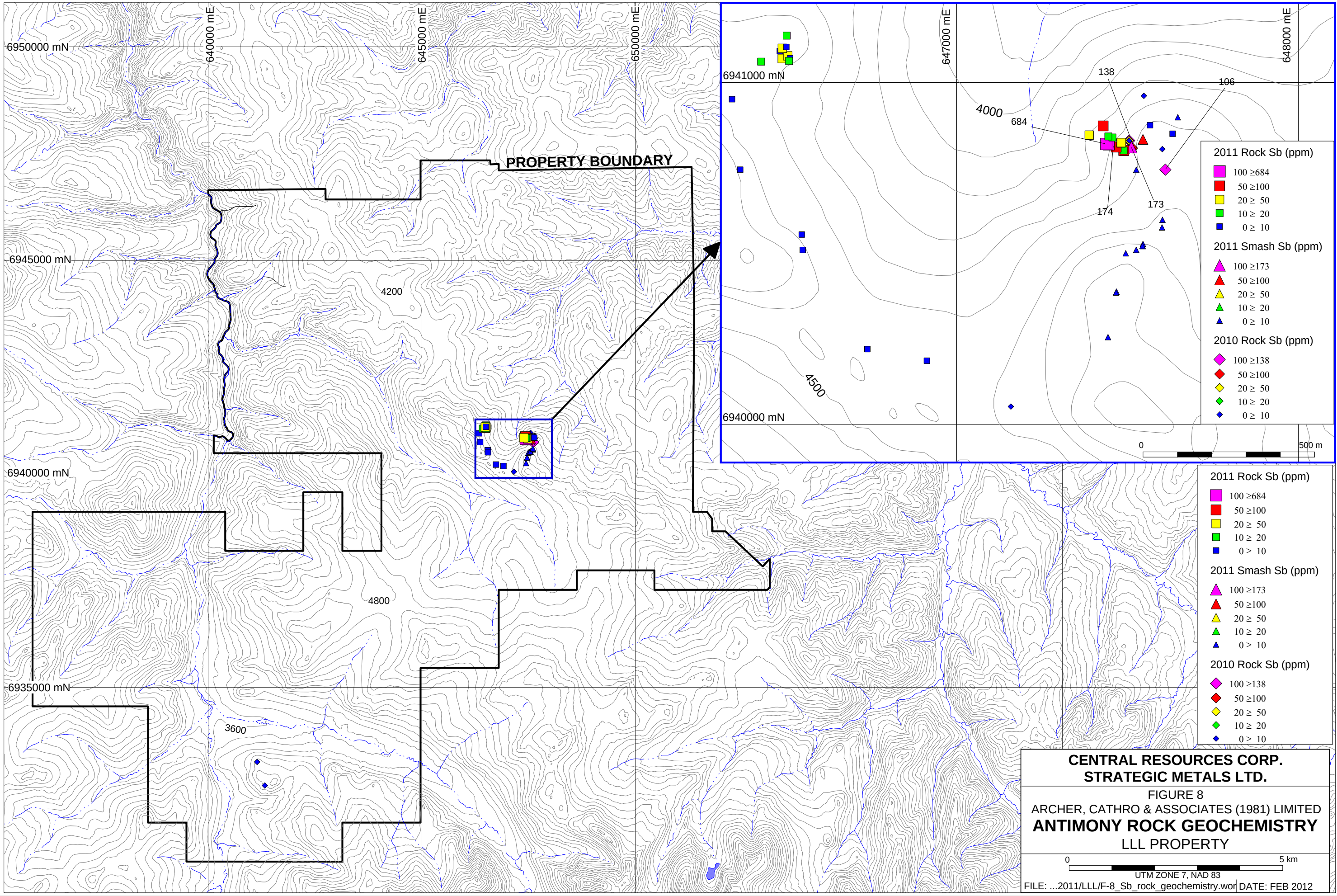
Archer Cathro geologist collected 18 other rock samples in nearby areas, but all returned background values for gold, background to moderately anomalous values for arsenic (up to 561 ppm) and background to weakly anomalous values for antimony.

Three of Smash's fifteen samples were collected within Anomaly A and the most anomalous sample returned 0.697 g/t gold, 3250 ppm arsenic, 84.9 ppm antimony and 632 ppm barium.









The elevated barite values are likely significant because, elsewhere in the Dawson Range, anomalous barium results are usually associated with high-level epithermal quartz vein systems (Eaton, 1983).

All rock samples returned background to weakly anomalous values for copper and molybdenum.

SOIL GEOCHEMISTRY

Soil sampling in 2010 identified two clustered of coincident gold-arsenic-antimony soil geochemistry (Anomalies A and B). The 2011 work program followed up Anomalies A and B and extend grid coverage to encompass other geologically favourable parts of the property.

In 2011, a total of 2937 soil samples were taken using hand held augers. Grid soil sampling was performed at various densities in different areas including the following intervals: 50 by 50 m; 50 by 100 m; 100 by 100 m; 100 by 200 m; and 100 by 500 m (Figure 9). Results for gold, arsenic, antimony, copper, molybdenum, and lead are plotted on Figures 10 to 15, respectively. Certificates of Analysis are in Appendix III. Sample locations were recorded using hand-held GPS units and were marked by 0.5 m wooden pickets with aluminum tags inscribed with sample numbers. The samples were taken from auger holes at depths of 30 to 60 cm below surface. They were placed into individually pre-numbered Kraft paper bags. All soil samples were dried, screened to -180 microns, and then analyzed for 35 elements using an aqua regia digestion followed by inductively coupled plasma and atomic emission spectrometry (ME-ICP41). An additional 30 g charge was further analyzed for gold by fire assay fusion with inductively coupled plasma and atomic emission spectrometry (Au-ICP21).

Three main soil anomalies have been identified on the LLL property (Anomalies A, B and C). The areas comprising Anomalies A and B were expanded in 2011 while Anomaly C is a new target. Anomaly C lies in the central part of the property near the Ebay claims. Table II below lists the characteristics of each anomaly.

Table II – Geochemical Anomaly Characteristics

	Anomaly A	Anomaly B	Anomaly C
Size (m)	1000 by 1200	600 by 1000	700 by 900
Primary Signature	Au, As, Sb, Cu, Mo	Au, Cu, Pb	Au, As
Secondary Signature	Pb	As , Sb, Mo	Cu, Pb, Mo

Anomaly A lies near the contact between DMN5 and DMqPW in an area which has been intruded by a large LKP dyke. This zone is characterized by moderately to strongly anomalous values for gold (20 to 502 ppb gold), arsenic (100 to 810 ppm), antimony (5 to 23 ppm), copper (50 to 346 ppm) and molybdenum (2 to 12 ppm). Lead values are generally background to moderately anomalous with the exception of a single-point value of 128 ppm. Anomaly A lies within a 2000 by 3000 m, northwesterly elongated zone of scattered weakly to strongly anomalous soil values for gold and its pathfinder elements.

Anomaly B is underlain by mKqW that has been intruded by a series of LKP dykes. This anomaly straddles the Selwyn River and two of its tributaries. The geochemical signature for Anomaly B includes moderately to strongly anomalous gold (up to 391 ppb), copper (up to 219 ppm) and lead (up to 401 ppm) values with background to moderately anomalous arsenic (up to 158 ppm), antimony (up to 13 ppm) and molybdenum (up to 19 ppm).

Anomaly C lies within the argillic alteration zone that is centered on the Ebay claims. It comprises a cluster of moderately to strongly anomalous gold values (up to 191 ppb) and weakly to moderately anomalous values for arsenic (up to 301 ppm), antimony (11 ppm), copper (up to 95 ppm), lead (up to 152 ppm) and molybdenum (up to 11 ppm). A single outlier (123 ppb gold) lies 500 m north of the anomalous cluster, adjacent to a creek.

The most significant molybdenum anomaly is a roughly linear, northwest-oriented cluster of strongly anomalous values (up to 37 ppm), which extends five kilometres northwest from Anomaly A. This linear anomaly roughly parallels the contact between DMN5 and DMgPW.

Due to the slow sample turn-around times, most soil sample values were received too late in the exploration season to initiate a detailed prospecting program. Anomaly A received cursory prospecting, but Anomalies B and C have not been prospected. Anomaly A lies in sub-alpine to alpine terrain on the west side of a small plateau while Anomaly B lies in a cliffy, heavily treed valley bottom adjacent to the Selwyn River and Anomaly C lies on an alpine ridge. Although outcrop is sparse or absent in most parts of Anomalies A and C, prospecting can be accomplished by removing rocks from beneath moss, grass and shrubs. Prospecting within Anomaly B will be more difficult. Hand pits can be dug to expose rocks, but even if mineralization is discovered its bedrock source may be hard to identify.

DISCUSSION AND CONCLUSIONS

The LLL property lies in a well mineralized belt that contains a major porphyry copper-gold-molybdenum deposit (Casino) and several vein and stockwork style gold deposits (Coffee, Sonora Gulch etc.).

Exploration on the LLL property in 2011 identified gold-bearing breccia and vein style mineralization within a large zone of coincident, moderately to strongly anomalous gold, arsenic and antimony-in-soil values (Anomaly A). Two other areas with elevated gold and pathfinder elements (Anomalies B and C) have not yet received follow up prospecting and therefore offer potential for discovery of additional mineralization.

The veins and breccias found on the LLL property are akin to the descriptions of gold-rich material intersected in drill holes at the nearby Coffee property. Similarities between the two properties include:

1. Mineralization – gold occurs in polymictic hydrothermal and fault-related breccias and veins.
2. Geochemistry – strong anomalies in soil for gold and its pathfinder elements especially arsenic and antimony.

3. Geology – both properties are underlain by metasedimentary and metavolcanic rocks that were intruded by Middle to Late Cretaceous granite before the entire package was cut by intermediate to felsic dykes.

Follow up work should include mapping, prospecting and diamond or reverse circulation drilling. Mechanized trenching is not recommended because of frozen ground and locally steep terrain. Detailed mapping and prospecting should be completed on a high priority basis near Anomaly A prior to diamond drilling. Drilling should be performed within Anomaly A to try and delineate the breccia-vein zone. While drilling is underway, Anomalies B and C should be prospected and where possible mapped. This prospecting may require small hand pits to be dug to expose rocks in heavily vegetated areas. Isolated sample sites that produced high gold values should also be prospected.

The most prospective porphyry target on the property is the tourmaline-bearing argillic-altered zone that lies half on the Ebay claims. If the Ebay claims lapse (March 18, 2012) Central should re-stake that ground and evaluate its potential for buried porphyry mineralization.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

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APPENDIX I
STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Heather Smith, geologist, with business addresses in Vancouver, British Columbia and Whitehorse, Yukon Territory and residential address in Squamish, British Columbia do hereby certify that:

1. I graduated from the University of British Columbia in 2006 with a B. Sc in Geological Sciences.
2. From 2004 to present, I have been actively engaged in mineral exploration in the Yukon Territory, British Columbia and Northwest Territories.
3. I am a Professional Geoscientist (P.Geo.) with the Association of Professional Engineers and Geoscientists of British Columbia (Number 34689).
4. I have personally participated in and directed the fieldwork reported herein and have interpreted all data resulting from this work.

H. Smith, B.Sc., P.Geo.

APPENDIX II

ROCK SAMPLE DESCRIPTIONS

Rock Sample Descriptions			Project: <u>Central</u>	Property: <u>LLL</u>		
Sample Number:	Grid East:	E	Grid North:	N	Type: <u>grab</u>	Dimension:
K973504	UTM:	647489	UTM:	6940801	N Sample Width: 60x40x30 cm	Abundance:
	Elevation:	m				
Comments:	Boulder of epithermal quartz. Abundant cross cutting, < 2 mm black sulfied-quartz bands with vuggy quartz cavities, limonitic pits and boxworks and pale green-yellow scorodite stain.					
Sample Number:	Grid East:	E	Grid North:	N	Type: <u>grab</u>	Dimension:
K973505	UTM:	647489	UTM:	6940801	N Sample Width: 10x10x20 cm	Abundance:
	Elevation:	m				
Comments:	1 m from '504. A sample of empitheral white quartz breccia with grey angular quartz clasts, trace pyrite, buggy limonite and < 1 cm pits from sulphide?					
Sample Number:	Grid East:	E	Grid North:	N	Type: <u>grab</u>	Dimension:
K973506	UTM:	647467	UTM:	6940801	N Sample Width: 30x15x10 cm	Abundance:
	Elevation:	m				
Comments:	Fault breccia with weak to moderately siliceous, pale white-yellow matrix with grey to clear quartz fragments. Moderate limonite and trace disseminated pyrite.					
Sample Number:	Grid East:	E	Grid North:	N	Type: <u>grab</u>	Dimension:
K973507	UTM:	647445	UTM:	6940819	N Sample Width: 10x20x40 cm	Abundance:
	Elevation:	m				
Comments:	Hydrothermal breccia. Black, matte matrix, scratches with steel. Breccia fragments < 2 cm, punky-limonitic. Rare radiating prismatic yellow laths < 1 cm. Nearby rocks show strong slickenside polished surfaces.					
Sample Number:	Grid East:	E	Grid North:	N	Type: <u>grab</u>	Dimension:
K973508	UTM:	647438	UTM:	6940820	N Sample Width: 12x20x30 cm	Abundance:
	Elevation:	m				
Comments:	Heavy, well foliated metasediment (quartzite - sandstone) with < 5 cm quartz-carbonate vein. Abundant black limnoite with glassy goethite bands. Rare bright yellow colliform 'boils.'					
Sample Number:	Grid East:	E	Grid North:	N	Type: <u>grab</u>	Dimension:
K973509	UTM:	647429	UTM:	6940873	N Sample Width: 12x15x10 cm	Abundance:
	Elevation:	m				
Comments:	Float from grassy slope. Primary muscovite-quartz schist and quartzite. Sample of rusty quartz vein with limonite pits, vugs and trace disseminated pyrite.					

Rock Sample Descriptions			Project: <u>Central</u>		Property: <u>LLL</u>	
Sample Number:	Grid East:	E	Grid North:	N	Type: <u>grab</u>	Dimension:
K973510	UTM:	647566	UTM:	6940875	N Sample Width: 20x20x30 cm	Abundance:
	Elevation:	m				
Comments:	Float sample of blocky, grainy white quartz cein with abundant orange ankerite whisps throughout. Black, lath-lens like mineral - sulphide? Rare to moderately abundant.					
Sample Number:	Grid East:	E	Grid North:	N	Type: <u>grab</u>	Dimension:
K973511	UTM:	646913	UTM:	6940186	N Sample Width:	Abundance:
	Elevation:	m				
Comments:	Hornblende-biotite-quartz diorite talus pile with a sample of blocky, off-white quartz vein with lenses of black sulphide. Similar in appearance to '510.					
Sample Number:	Grid East:	E	Grid North:	N	Type: <u>grab</u>	Dimension:
K973512	UTM:	646739	UTM:	6940200	N Sample Width: 30x30x20 cm	Abundance:
	Elevation:	m				
Comments:	Quartz vein floate within intrusive talus. Grey-white quartz with finely disseminated arsenopyrite and coarse blebby pyrite.					
Sample Number:	Grid East:	E	Grid North:	N	Type: <u>grab</u>	Dimension:
K973513	UTM:	646547	UTM:	6940555	N Sample Width:	Abundance:
	Elevation:	m				
Comments:	Bleached quartz monzonite with silicified hairline dark grey fractures and millimetre veins of arsnopyrite/stibnite.					
Sample Number:	Grid East:	E	Grid North:	N	Type: <u>grab</u>	Dimension:
K973514	UTM:	646343	UTM:	6940951	N Sample Width:	Abundance:
	Elevation:	m				
Comments:	Composite chip across 1 m. < 10 cm pieces of rubble. Altered (clay-kaolinite) intrusive with abundant firon burn on surface. Minor limonite.					
Sample Number:	Grid East:	E	Grid North:	N	Type: <u>grab</u>	Dimension:
K973515	UTM:	646428	UTM:	6941061	N Sample Width:	Abundance:
	Elevation:	m				
Comments:	Felsenmeener of quartz grit/sandstone with limonite fractures and abundant pits.					

Rock Sample Descriptions			Project: <u>Central</u>		Property: <u>LLL</u>	
Sample Number:	Grid East:	E	Grid North:	N	Type: <u>grab</u>	Dimension:
K973516	UTM:	646490 E	UTM:	6941070 N	Sample Width:	Abundance:
	Elevation:	m				
Comments: Fault breccia, pale grey to creamy yellow matrix. Rare limonite and weak scorodite staining.						
Sample Number:	Grid East:	E	Grid North:	N	Type: <u>grab</u>	Dimension:
K973517	UTM:	646490 E	UTM:	6941070 N	Sample Width:	Abundance:
	Elevation:	m				
Comments: Glassy limonite, ferrocrete breccia. Medium grey quartz clasts. Elongate vugs.						
Sample Number:	Grid East:	E	Grid North:	N	Type: <u>grab</u>	Dimension:
K973518	UTM:	646506 E	UTM:	6941078 N	Sample Width: 20x30x20	Abundance:
	Elevation:	m				
Comments: Ferrocrete with white quartz fragments.						
Sample Number:	Grid East:	E	Grid North:	N	Type: <u>grab</u>	Dimension:
K973519	UTM:	646512 E	UTM:	6941071 N	Sample Width:	Abundance:
	Elevation:	m				
Comments: Soft matrix fault breccia. Pale grey with orange clasts, quartz eyes and trace pyrite.						
Sample Number:	Grid East:	E	Grid North:	N	Type: <u>grab</u>	Dimension:
K973520	UTM:	646510 E	UTM:	6941063 N	Sample Width: 0.5x40x40	Abundance:
	Elevation:	m				
Comments: Composite chip sample across 3 m of ferrocrete matrix with siliceous quartz fragments.						
Sample Number:	Grid East:	E	Grid North:	N	Type: <u>grab</u>	Dimension:
K973521	UTM:	646503 E	UTM:	6941137 N	Sample Width: 10x20x20 cm	Abundance:
	Elevation:	m				
Comments: Ferrocrete breccia with pale grey quartz clasts on top of knoll.						
Sample Number:	Grid East:	E	Grid North:	N	Type: <u>grab</u>	Dimension:
I078463	UTM:	647481 E	UTM:	6940823 N	Sample Width:	Abundance:
	Elevation:	m				
Comments: Quartz vein with fine-grained grey veinlets (tourmaline or sulphide?) with minor jarosite and limonite and trace very fine-grained sulphide.						

Rock Sample DescriptionsProject: CentralProperty: LLL

Sample Number:	Grid East:	E	Grid North:	N	Type: <u>grab</u>	Dimension:
I078464	UTM:	647482 E	UTM:	6940824 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Quartz vein cutting a quartz-rich sandstone with limonite, trace sulphide and minor glassy limonite.

Sample Number:	Grid East:	E	Grid North:	N	Type: <u>grab</u>	Dimension:
I078465	UTM:	647456 E	UTM:	6940839 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Grey, fine-grained quartz-rich sandstone with minor fine-grained arsenopyrite.

Sample Number:	Grid East:	E	Grid North:	N	Type: <u>grab</u>	Dimension:
I078466	UTM:	647444 E	UTM:	6940842 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Quartz breccia with hydrothermal textures (vugs partially filled with quartz and stibnite and limonite).

Sample Number:	Grid East:	E	Grid North:	N	Type: <u>grab</u>	Dimension:
I078467	UTM:	647388 E	UTM:	6940846 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Dark grey, quartz-dominated hydrothermal breccia that cuts a banded quartz sandstone/quartzite. Abundant fine-grained silvery sulphide and yellow-coated vugs (scoradite). The matrix of the breccia is either sulphide or tourmaline.

Sample Number:	Grid East:	E	Grid North:	N	Type: <u>grab</u>	Dimension:
I078468	UTM:	647632 E	UTM:	6940850 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Black, fine-grained tourmaline (?) vein cutting qtz-rich sandstone.

Sample Number:	Grid East:	E	Grid North:	N	Type: <u>grab</u>	Dimension:
I078469	UTM:	646550 E	UTM:	6940510 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Green, fine-grained silicified (?) rock with malachite/limonite vein (2 mm wide). 1 cm wide quartz vein cuts this rocks and has very large (cm-scale) crystals that looks like quartz-vein selvage material.

Sample Number:	Grid East:	E	Grid North:	N	Type: <u>grab</u>	Dimension:
I078470	UTM:	646550 E	UTM:	6940510 N	Sample Width:	Abundance:
	Elevation:	m				

Rock Sample DescriptionsProject: CentralProperty: LLL

Comments: Light grey, very fine-grained quartz-calcite vein with trace disseminated pyrite and arsenopyrite.

Sample Number:	Grid East:	E	Grid North:	N	Type: <u>grab</u>	Dimension:
I078471	UTM:	646367 E	UTM:	6940745 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Coarse-grained, hornblende-biotite diorite altered by minor disseminated pyrite and arsenopyrite.

Sample Number:	Grid East:	E	Grid North:	N	Type: <u>grab</u>	Dimension:
I078472	UTM:	646483 E	UTM:	6941092 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Brecciated, fine-grained quartz-rich sandstone or quartz vein with limonite dominated matrix.

Sample Number:	Grid East:	E	Grid North:	N	Type: <u>grab</u>	Dimension:
I078473	UTM:	646483 E	UTM:	6941092 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Fine-grained, mica-quartz schist with glassy-limonite veins about 2mm wide with jarosite/limonite selvages.

Sample Number:	Grid East:	E	Grid North:	N	Type: <u>grab</u>	Dimension:
I078474	UTM:	646490 E	UTM:	6941100 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Rusty weathered, brecciated, grey, quartz-rich rock. Either becciated quartz-vein or quartz-rich sandstone with possibly fine-grained arsenopyrite.

Sample Number:	Grid East:	E	Grid North:	N	Type: <u>grab</u>	Dimension:
I078475	UTM:	646502 E	UTM:	6941104 N	Sample Width:	Abundance:
	Elevation:	m				

Comments: Rusty weathered, brecciated quartz-vein or quartz-rich sandstone with trace fine-grained arsenopyrite.

APPENDIX III
CERTIFICATES OF ANALYSIS



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **ARCHER, CATHRO AND ASSOCIATES (1981)
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Page: 1
Finalized Date: 14- AUG- 2011
Account: F

CERTIFICATE WH11126622

Project: LLL
P.O. No.:
This report is for 116 Soil samples submitted to our lab in Whitehorse, YT, Canada on 5-JUL- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
ATTN: JOAN MARIACHER
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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North Vancouver BC V7H 0A7
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Page: 2 - A
Total # Pages: 4 (A - C)
Plus Appendix Pages
Finalized Date: 14- AUG- 2011
Account: F

Project: LLL

CERTIFICATE OF ANALYSIS WH11126622

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC133331		0.24	0.009	0.4	0.90	27	<10	140	<0.5	<2	0.20	<0.5	4	19	15	2.10
CC133332		0.14	0.012	0.4	1.94	22	<10	220	<0.5	<2	0.27	0.6	8	29	21	3.46
CC133333		0.21	0.006	0.2	1.71	279	<10	140	<0.5	<2	0.31	<0.5	12	28	21	3.11
CC133334		0.27	0.015	0.3	2.16	725	<10	120	0.7	2	0.27	<0.5	22	25	37	3.91
CC133335		0.24	0.006	0.2	2.19	55	<10	110	<0.5	<2	0.15	<0.5	8	29	19	3.74
CC133336		0.15	0.016	0.2	1.78	57	<10	160	<0.5	<2	0.52	<0.5	11	29	24	3.11
CC133337		0.20	0.010	0.3	1.76	26	<10	160	<0.5	<2	0.49	<0.5	9	30	23	3.00
CC133338		0.30	0.008	0.2	1.66	12	<10	120	<0.5	<2	0.23	<0.5	8	26	16	3.02
CC133339		0.34	0.008	0.2	2.17	18	<10	240	0.5	<2	0.51	<0.5	12	33	31	3.29
CC133340		0.29	0.007	0.3	1.95	44	<10	170	<0.5	<2	0.42	<0.5	8	30	31	1.92
CC133341		0.52	0.014	0.2	2.24	184	<10	170	0.5	<2	0.42	<0.5	15	31	40	3.74
CC133342		0.46	0.008	0.2	2.29	43	<10	130	0.5	<2	0.27	<0.5	11	30	24	3.05
CC133343		0.19	0.018	0.3	2.26	27	<10	190	<0.5	<2	0.45	<0.5	12	34	25	3.17
CC133344		0.36	0.038	0.2	1.72	17	<10	110	<0.5	<2	0.41	<0.5	10	30	33	2.97
CC133345		0.18	0.013	0.3	1.88	15	<10	120	0.5	<2	0.27	<0.5	11	29	29	2.83
CC133346		0.21	0.023	<0.2	1.90	13	<10	110	0.5	<2	0.24	<0.5	13	34	35	3.16
CC133347		0.23	0.021	0.4	1.82	13	<10	160	0.5	2	0.39	<0.5	10	34	45	3.04
CC133348		0.24	0.011	<0.2	1.68	12	<10	60	<0.5	<2	0.12	<0.5	5	25	16	3.66
CC133349		0.14	0.021	0.3	1.51	9	<10	80	<0.5	<2	0.19	<0.5	5	22	19	2.91
CC133350		0.18	0.021	0.4	2.20	12	<10	130	0.5	<2	0.28	<0.5	8	34	21	2.63
CC133351		0.27	0.030	0.2	1.86	18	<10	190	<0.5	<2	0.46	<0.5	11	28	24	2.62
CC133352		0.13	0.014	0.2	0.99	7	<10	50	<0.5	<2	0.10	<0.5	3	19	11	1.43
CC133353		0.14	NSS	0.9	1.52	22	<10	250	1.0	<2	1.30	1.3	13	30	92	2.84
CC133354		0.21	0.023	1.1	1.71	42	<10	190	0.9	<2	0.94	0.8	14	34	74	3.28
CC133355		0.30	0.025	0.5	1.70	73	<10	150	0.9	<2	0.79	<0.5	8	29	79	3.72
CC133356		0.20	0.025	0.8	1.63	30	<10	240	0.7	<2	1.30	0.7	8	24	63	2.48
CC133357		0.23	0.019	0.7	2.07	51	<10	210	0.7	<2	0.90	0.5	11	40	73	3.26
CC133358		0.43	0.020	0.3	2.26	59	<10	220	0.5	<2	0.63	<0.5	11	38	45	3.21
CC133359		0.14	0.034	0.7	1.84	22	<10	180	0.5	<2	0.79	0.6	6	38	51	2.03
CC133360		0.14	0.032	2.8	2.00	86	<10	150	0.7	<2	0.87	0.5	13	44	72	3.56
CC133361		0.22	0.012	0.9	2.38	18	<10	200	0.5	<2	0.60	<0.5	7	32	31	2.69
CC133362		0.22	0.010	0.5	1.91	14	<10	200	0.5	<2	0.61	<0.5	12	31	35	2.51
CC133363		0.27	0.006	0.7	1.68	17	<10	160	0.7	<2	1.12	<0.5	6	29	61	2.19
CC133364		0.54	0.014	0.4	1.95	21	<10	150	0.7	<2	0.68	0.5	14	45	74	3.63
CC133365		0.30	0.009	0.3	2.21	21	<10	190	<0.5	<2	0.47	<0.5	15	32	26	3.03
CC133366		0.23	0.009	0.3	1.69	11	<10	140	0.5	<2	0.35	<0.5	14	30	32	2.45
CC133367		0.18	0.003	0.4	2.52	36	<10	250	<0.5	<2	0.61	<0.5	9	34	31	3.44
CC133368		0.20	0.011	0.3	2.58	153	<10	280	0.6	<2	0.81	<0.5	10	31	37	3.52
CC133369		0.29	0.009	0.3	2.60	212	<10	270	0.6	<2	0.50	<0.5	12	34	37	4.05
CC133370		0.53	0.004	0.2	2.39	84	<10	180	0.6	<2	0.39	<0.5	12	32	29	3.48



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Page: 2 - B
Total # Pages: 4 (A - C)
Plus Appendix Pages
Finalized Date: 14- AUG- 2011
Account: F

Project: LLL

CERTIFICATE OF ANALYSIS WH11126622

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
CC133331		10	<1	0.04	10	0.16	263	4	0.02	9	490	10	0.05	<2	2	21
CC133332		10	<1	0.04	10	0.49	326	3	0.02	16	370	12	0.04	<2	3	26
CC133333		10	<1	0.06	10	0.61	353	1	0.02	19	400	11	0.01	<2	4	24
CC133334		10	<1	0.08	20	0.70	712	2	0.02	16	500	18	0.03	7	5	22
CC133335		10	<1	0.05	10	0.51	308	1	0.02	15	530	9	0.04	<2	3	16
CC133336		10	<1	0.07	10	0.65	492	<1	0.02	16	470	9	0.04	<2	4	31
CC133337		10	<1	0.08	10	0.62	332	<1	0.02	16	630	8	0.06	2	4	32
CC133338		10	<1	0.05	10	0.45	259	1	0.02	16	410	9	0.02	<2	3	18
CC133339		10	<1	0.09	10	0.71	403	1	0.02	22	760	11	0.01	<2	6	31
CC133340		10	<1	0.06	10	0.63	184	1	0.01	17	730	12	0.10	2	4	24
CC133341		10	<1	0.10	10	0.87	488	1	0.02	14	730	13	0.03	2	7	26
CC133342		10	<1	0.07	10	0.69	401	<1	0.02	18	510	9	0.03	<2	4	23
CC133343		10	<1	0.09	10	0.73	500	1	0.02	20	720	12	0.05	<2	4	33
CC133344		10	<1	0.07	10	0.59	342	1	0.02	15	750	11	0.02	<2	4	33
CC133345		10	<1	0.07	10	0.55	547	1	0.02	16	620	10	0.03	<2	3	22
CC133346		10	<1	0.06	10	0.61	679	2	0.02	15	670	11	0.04	<2	4	24
CC133347		10	<1	0.04	10	0.58	594	3	0.01	13	1040	12	0.09	<2	4	30
CC133348		10	<1	0.03	10	0.27	162	2	0.01	8	380	11	0.02	<2	3	13
CC133349		10	<1	0.05	10	0.27	193	1	0.01	13	820	8	0.07	<2	1	20
CC133350		10	<1	0.05	10	0.57	154	1	0.02	17	550	24	0.03	<2	4	31
CC133351		10	<1	0.05	10	0.60	846	1	0.02	14	860	12	0.04	<2	4	32
CC133352		10	<1	0.03	10	0.19	110	1	0.01	7	400	11	0.03	<2	1	12
CC133353		<10	<1	0.03	30	0.30	2680	2	0.03	13	2080	10	0.19	<2	5	78
CC133354		<10	<1	0.04	20	0.59	1690	2	0.02	14	1330	15	0.09	<2	5	52
CC133355		10	<1	0.06	30	0.65	355	2	0.02	12	1090	14	0.05	<2	6	42
CC133356		<10	<1	0.07	30	0.54	563	1	0.02	13	1100	11	0.10	<2	5	73
CC133357		10	<1	0.06	20	0.88	1005	1	0.02	13	1050	14	0.06	<2	7	55
CC133358		10	<1	0.05	10	0.89	531	1	0.02	15	980	12	0.05	<2	5	39
CC133359		10	<1	0.04	20	0.64	246	<1	0.02	11	1250	13	0.12	<2	6	43
CC133360		10	<1	0.12	20	0.98	571	<1	0.02	11	1400	10	0.05	<2	14	46
CC133361		10	<1	0.07	20	0.60	280	<1	0.02	15	1180	10	0.11	<2	5	41
CC133362		10	<1	0.05	10	0.56	1590	1	0.02	15	960	14	0.05	<2	5	41
CC133363		10	<1	0.05	20	0.60	216	<1	0.02	13	930	12	0.10	<2	5	67
CC133364		10	<1	0.11	20	0.99	495	2	0.02	12	1170	18	0.02	<2	9	33
CC133365		10	<1	0.06	10	0.67	733	1	0.02	14	1030	12	0.07	<2	4	34
CC133366		10	<1	0.05	10	0.47	1185	1	0.02	13	990	12	0.08	<2	3	33
CC133367		10	<1	0.08	10	0.65	320	1	0.02	17	810	14	0.07	<2	4	43
CC133368		10	<1	0.10	10	0.87	558	1	0.02	17	800	11	0.07	<2	6	49
CC133369		10	<1	0.14	10	0.98	444	1	0.02	18	500	11	0.03	<2	7	31
CC133370		10	<1	0.08	10	0.89	266	<1	0.02	17	580	8	0.01	<2	7	24



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
CC133331		<20	0.07	<10	<10	60	<10	28
CC133332		<20	0.08	<10	<10	88	<10	56
CC133333		<20	0.10	<10	<10	73	<10	53
CC133334		<20	0.03	<10	<10	72	<10	64
CC133335		<20	0.09	<10	<10	89	<10	51
CC133336		<20	0.10	<10	<10	79	<10	61
CC133337		<20	0.09	<10	<10	74	<10	52
CC133338		<20	0.09	<10	<10	75	<10	42
CC133339		<20	0.10	<10	<10	73	<10	63
CC133340		<20	0.06	<10	<10	46	<10	45
CC133341		<20	0.10	<10	<10	90	<10	58
CC133342		<20	0.09	<10	<10	70	<10	54
CC133343		<20	0.10	<10	<10	77	<10	64
CC133344		<20	0.11	<10	<10	73	<10	54
CC133345		<20	0.10	<10	<10	70	<10	55
CC133346		<20	0.10	<10	<10	76	<10	55
CC133347		<20	0.07	<10	<10	74	<10	47
CC133348		<20	0.11	<10	<10	127	<10	36
CC133349		<20	0.08	<10	<10	87	<10	37
CC133350		<20	0.09	<10	<10	66	<10	59
CC133351		<20	0.08	<10	<10	73	<10	61
CC133352		<20	0.06	<10	<10	49	<10	25
CC133353		<20	0.03	<10	<10	60	<10	42
CC133354		<20	0.05	<10	10	76	<10	70
CC133355		<20	0.05	<10	<10	70	<10	80
CC133356		<20	0.04	<10	<10	56	<10	93
CC133357		<20	0.09	<10	<10	85	<10	83
CC133358		<20	0.08	<10	<10	84	<10	71
CC133359		<20	0.07	<10	<10	43	<10	54
CC133360		<20	0.15	<10	<10	100	<10	64
CC133361		<20	0.07	<10	<10	64	<10	56
CC133362		<20	0.07	<10	<10	60	<10	58
CC133363		<20	0.05	<10	10	50	<10	81
CC133364		<20	0.14	<10	<10	97	<10	88
CC133365		<20	0.07	<10	<10	62	<10	62
CC133366		<20	0.07	<10	<10	62	<10	54
CC133367		<20	0.10	<10	<10	95	<10	64
CC133368		<20	0.06	<10	<10	81	<10	73
CC133369		<20	0.08	<10	<10	89	<10	74
CC133370		<20	0.08	<10	<10	76	<10	54



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC133371		0.48	0.003	0.2	2.35	15	<10	220	0.6	<2	0.44	<0.5	9	36	26	3.52
CC133372		0.41	0.004	0.2	1.93	14	<10	220	0.5	<2	0.57	<0.5	9	36	39	3.15
CC133373		0.33	0.005	0.2	2.31	47	<10	180	<0.5	<2	0.45	<0.5	9	30	23	2.67
CC133374		0.33	0.004	0.2	2.63	23	<10	110	0.5	<2	0.16	<0.5	9	29	19	3.22
CC133375		0.26	0.043	<0.2	1.88	17	<10	160	<0.5	<2	0.35	<0.5	9	31	28	2.77
CC133376		0.19	0.028	0.2	1.72	9	<10	140	0.5	<2	0.26	<0.5	5	34	25	2.87
CC133377		0.39	0.010	<0.2	1.79	9	<10	120	<0.5	<2	0.44	<0.5	8	26	21	2.41
CC133378		0.31	0.013	<0.2	2.21	16	<10	100	0.5	<2	0.28	<0.5	11	29	20	2.89
CC133379		0.13	0.006	<0.2	1.34	12	<10	110	<0.5	<2	0.45	<0.5	7	24	29	1.90
CC133380		0.35	0.011	0.3	2.19	14	<10	160	0.5	<2	0.37	<0.5	8	35	28	2.14
CC133381		0.28	0.034	1.0	2.16	34	<10	220	0.7	<2	1.07	<0.5	11	39	54	2.55
CC133382		0.12	0.012	0.4	1.88	115	<10	280	<0.5	<2	0.52	<0.5	19	34	24	3.62
CC133383		0.27	0.003	<0.2	1.94	35	<10	170	<0.5	<2	0.67	<0.5	12	50	16	3.40
CC133384		0.43	0.004	0.2	2.70	25	<10	180	0.5	<2	0.48	<0.5	13	67	33	3.54
CC133385		0.35	0.004	<0.2	2.39	32	<10	180	0.6	<2	0.56	<0.5	10	62	56	3.48
CC133386		0.43	0.001	<0.2	2.17	22	<10	160	0.5	<2	0.35	<0.5	12	58	26	3.25
CC133387		0.45	0.003	0.2	2.67	14	<10	200	0.8	2	0.59	<0.5	13	60	50	3.74
CC133388		0.18	0.001	<0.2	3.65	17	<10	300	0.9	2	0.22	<0.5	14	87	41	4.52
CC133389		0.51	0.006	<0.2	2.59	17	<10	220	0.7	<2	0.39	<0.5	12	63	34	3.78
CC133391		0.32	0.004	0.3	2.43	129	<10	270	0.9	<2	0.38	<0.5	14	82	47	4.56
CC133392		0.27	0.001	<0.2	1.53	51	<10	390	0.9	<2	0.50	<0.5	8	37	20	2.50
CC133393		0.36	0.001	<0.2	1.21	14	<10	70	0.8	<2	0.08	<0.5	5	14	7	1.99
CC133394		0.38	0.005	0.2	2.64	109	<10	310	0.7	<2	0.14	0.5	10	45	28	4.39
CC133395		0.50	0.003	0.2	2.70	26	<10	290	0.8	<2	0.47	<0.5	12	71	35	3.67
CC133396		0.47	0.001	<0.2	2.11	23	<10	210	0.8	<2	0.41	<0.5	9	66	34	3.52
CC133397		0.26	0.005	1.1	2.76	32	<10	360	1.1	2	0.55	<0.5	42	76	88	4.37
CC133398		0.36	0.002	0.2	2.26	29	<10	150	0.6	<2	0.29	<0.5	12	63	32	3.45
CC133399		0.53	0.002	0.2	2.41	20	<10	170	0.5	<2	0.45	<0.5	11	57	32	3.21
CC133400		0.28	0.003	0.3	2.58	42	<10	190	0.6	<2	0.59	<0.5	15	70	36	3.74
CC133420		0.06	0.002	<0.2	2.13	16	<10	200	0.5	<2	1.21	<0.5	11	60	39	2.90
CC133421		0.23	0.008	0.3	2.10	57	<10	210	<0.5	<2	0.42	<0.5	14	40	15	2.79
CC133422		0.27	0.018	0.5	1.66	368	<10	500	0.6	<2	0.27	<0.5	21	50	76	4.76
CC133423		0.24	0.047	0.7	2.11	438	<10	360	0.7	<2	0.28	<0.5	26	59	102	4.32
CC133424		0.21	0.012	0.3	1.41	33	<10	140	<0.5	<2	0.38	<0.5	8	24	23	2.12
CC133425		0.12	0.013	<0.2	0.47	3	<10	30	<0.5	<2	0.14	<0.5	2	13	9	1.02
CC133426		0.32	0.028	<0.2	1.63	10	<10	100	<0.5	<2	0.37	<0.5	12	37	26	3.12
CC133427		0.32	0.077	0.3	2.05	22	<10	180	0.7	<2	0.54	<0.5	12	32	79	3.55
CC133428		0.25	0.022	<0.2	2.15	16	<10	80	0.5	2	0.19	<0.5	11	33	35	3.11
CC133429		0.46	0.006	0.2	2.04	28	<10	150	<0.5	<2	0.47	<0.5	11	32	19	2.75
CC133430		0.39	0.003	<0.2	1.85	96	<10	180	<0.5	<2	0.39	<0.5	9	27	21	2.92



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
CC133371		10	<1	0.08	10	0.79	263	<1	0.02	19	620	9	0.01	<2	7	27
CC133372		10	<1	0.10	10	0.69	460	<1	0.02	20	910	7	0.01	<2	8	32
CC133373		10	<1	0.07	10	0.82	232	1	0.02	15	750	13	0.05	2	5	23
CC133374		10	<1	0.06	10	0.46	329	1	0.02	17	670	9	0.05	<2	3	16
CC133375		10	<1	0.07	10	0.59	317	1	0.02	17	600	10	0.04	<2	4	29
CC133376		10	<1	0.05	10	0.38	169	2	0.02	12	660	10	0.06	<2	3	27
CC133377		10	1	0.06	10	0.64	261	<1	0.03	13	510	12	0.03	<2	4	46
CC133378		10	<1	0.06	10	0.57	358	1	0.03	16	510	11	0.04	<2	3	62
CC133379		10	<1	0.06	10	0.39	244	1	0.03	24	890	11	0.09	<2	2	34
CC133380		10	<1	0.06	10	0.59	282	<1	0.02	16	990	14	0.09	<2	4	29
CC133381		10	1	0.07	20	0.56	392	1	0.02	15	1790	9	0.17	<2	7	72
CC133382		10	1	0.06	10	0.51	2150	3	0.03	19	960	10	0.08	3	5	39
CC133383		10	<1	0.06	10	0.76	774	1	0.03	21	1030	11	0.07	<2	5	31
CC133384		10	1	0.08	20	0.93	686	1	0.03	33	580	11	0.04	<2	6	31
CC133385		10	<1	0.08	20	0.85	329	2	0.03	34	700	10	0.04	<2	7	32
CC133386		10	<1	0.13	10	0.81	346	2	0.02	32	660	15	0.02	2	6	20
CC133387		10	1	0.07	30	1.18	501	5	0.02	35	1550	9	0.03	2	7	26
CC133388		10	<1	0.26	10	1.07	503	2	0.02	47	420	11	0.02	3	8	19
CC133389		10	<1	0.12	20	0.88	402	4	0.02	33	770	10	0.03	<2	7	22
CC133391		10	1	0.18	20	0.95	581	5	0.02	57	570	20	0.09	5	9	32
CC133392		<10	<1	0.09	20	0.35	816	5	0.01	27	870	27	0.06	3	6	49
CC133393		<10	<1	0.07	10	0.13	554	2	0.01	8	280	59	0.06	<2	2	19
CC133394		10	<1	0.11	10	0.49	453	4	0.02	33	380	44	0.03	5	6	16
CC133395		10	1	0.07	30	1.00	435	1	0.02	37	870	11	0.02	3	9	35
CC133396		10	<1	0.19	20	0.89	336	3	0.02	35	830	11	0.01	4	6	22
CC133397		10	<1	0.09	30	0.85	4110	5	0.03	78	1410	13	0.07	4	10	35
CC133398		10	<1	0.16	10	0.88	534	2	0.02	37	550	14	0.02	3	6	20
CC133399		10	<1	0.09	20	0.85	354	1	0.03	29	590	10	0.03	2	6	26
CC133400		10	<1	0.07	20	0.89	570	1	0.03	36	860	13	0.07	2	6	38
CC133420		10	<1	0.09	20	0.74	414	1	0.04	38	570	8	0.09	<2	5	60
CC133421		10	1	0.07	10	0.61	1120	1	0.02	20	720	15	0.04	3	4	27
CC133422		10	<1	0.29	10	0.65	1050	5	0.02	52	1220	9	0.09	10	7	29
CC133423		10	<1	0.27	10	0.74	698	4	0.02	59	1010	9	0.09	11	7	34
CC133424		10	<1	0.05	10	0.39	365	2	0.02	14	1000	7	0.10	<2	2	29
CC133425		<10	<1	0.02	<10	0.07	48	1	0.03	6	500	4	0.05	<2	1	14
CC133426		10	<1	0.08	10	0.69	475	1	0.02	15	850	8	0.04	<2	4	28
CC133427		10	1	0.08	20	0.67	453	2	0.03	18	1160	14	0.06	4	7	52
CC133428		10	<1	0.06	10	0.62	474	1	0.02	20	490	9	0.04	<2	4	17
CC133429		10	<1	0.11	10	0.68	397	1	0.03	15	660	8	0.04	3	6	29
CC133430		10	1	0.07	10	0.58	369	2	0.03	15	630	8	0.05	<2	4	26



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
CC133371		<20	0.09	<10	<10	75	<10	56
CC133372		<20	0.11	<10	<10	72	<10	63
CC133373		<20	0.08	<10	<10	67	<10	51
CC133374		<20	0.09	<10	<10	74	<10	46
CC133375		<20	0.10	<10	<10	70	<10	54
CC133376		<20	0.09	<10	<10	69	<10	41
CC133377		<20	0.10	<10	<10	68	<10	52
CC133378		<20	0.11	<10	<10	78	<10	52
CC133379		<20	0.07	<10	<10	48	<10	58
CC133380		<20	0.08	<10	<10	64	<10	55
CC133381		<20	0.06	<10	10	57	<10	59
CC133382		<20	0.05	<10	<10	75	<10	71
CC133383		<20	0.08	<10	<10	71	<10	73
CC133384		<20	0.11	<10	<10	85	<10	88
CC133385		<20	0.12	<10	<10	91	<10	84
CC133386		<20	0.13	<10	<10	89	<10	97
CC133387		<20	0.11	<10	<10	82	<10	84
CC133388		<20	0.15	<10	<10	134	<10	105
CC133389		<20	0.12	<10	<10	101	<10	89
CC133391		<20	0.10	<10	<10	110	<10	139
CC133392		<20	0.02	<10	<10	50	<10	85
CC133393		20	0.02	<10	10	26	<10	44
CC133394		<20	0.03	<10	<10	89	<10	101
CC133395		<20	0.08	<10	<10	85	<10	84
CC133396		<20	0.11	<10	<10	101	<10	115
CC133397		<20	0.09	<10	<10	111	<10	118
CC133398		<20	0.13	<10	<10	92	<10	115
CC133399		<20	0.12	<10	<10	82	<10	84
CC133400		<20	0.10	<10	<10	90	<10	87
CC133420		<20	0.11	<10	<10	74	<10	62
CC133421		<20	0.07	<10	<10	69	<10	78
CC133422		<20	0.12	<10	<10	103	<10	111
CC133423		<20	0.12	<10	<10	115	<10	113
CC133424		<20	0.05	<10	<10	54	<10	47
CC133425		<20	0.04	<10	<10	30	<10	17
CC133426		<20	0.13	<10	<10	91	<10	66
CC133427		<20	0.09	<10	<10	78	<10	69
CC133428		<20	0.10	<10	<10	74	<10	54
CC133429		<20	0.12	<10	<10	75	<10	54
CC133430		<20	0.09	<10	<10	76	<10	53



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CERTIFICATE OF ANALYSIS WH11126622

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC133431		0.09	0.004	0.3	1.05	12	<10	210	<0.5	<2	0.80	<0.5	11	21	22	2.02
CC133432		0.16	0.029	<0.2	1.96	17	<10	80	0.5	<2	0.21	<0.5	13	38	37	3.42
CC133433		0.17	0.029	<0.2	2.21	23	<10	100	0.6	<2	0.23	<0.5	12	46	54	4.37
CC133434		0.20	0.033	<0.2	1.90	18	<10	100	0.5	<2	0.25	<0.5	12	36	36	3.22
CC133435		0.14	0.047	<0.2	2.47	12	<10	130	0.6	<2	0.19	<0.5	8	33	26	4.09
CC133461		0.47	0.004	0.2	2.04	28	<10	210	0.5	<2	0.49	<0.5	12	30	30	3.04
CC133462		0.32	0.007	<0.2	2.29	15	<10	90	<0.5	<2	0.21	<0.5	11	32	23	3.22
CC133463		0.30	0.002	<0.2	2.18	177	<10	180	0.5	<2	0.44	<0.5	14	31	33	3.39
CC133464		0.30	0.005	0.2	2.37	210	<10	150	0.5	<2	0.35	<0.5	17	29	29	3.66
CC133465		0.24	0.006	0.2	2.22	271	<10	140	<0.5	<2	0.54	<0.5	11	30	27	3.33
CC133466		0.38	0.011	0.2	2.12	47	<10	110	<0.5	<2	0.43	<0.5	8	29	23	2.81
CC133467		0.34	0.020	0.2	1.78	53	<10	110	<0.5	2	0.29	<0.5	10	26	50	2.91
CC133468		0.25	0.043	0.2	2.64	16	<10	90	0.8	<2	0.18	<0.5	11	46	44	3.86
CC133469		0.34	0.022	<0.2	1.96	16	<10	100	0.5	<2	0.24	<0.5	9	34	36	3.83
CC133470		0.22	0.013	<0.2	2.50	15	<10	110	0.7	2	0.18	<0.5	11	35	32	3.38
CC133471		0.30	0.051	<0.2	2.23	16	<10	110	0.6	<2	0.41	<0.5	15	37	58	4.11
CC133472		0.24	0.027	0.3	2.21	36	<10	150	0.7	<2	0.44	<0.5	7	34	40	3.57
CC133473		0.13	0.019	0.3	2.45	32	<10	120	0.6	<2	0.20	<0.5	11	36	27	3.56
CC133474		0.17	0.026	0.3	2.09	61	<10	170	<0.5	<2	0.52	<0.5	14	28	30	3.17
CC133475		0.29	0.030	0.2	2.18	52	<10	190	0.5	<2	0.40	<0.5	13	33	36	3.42
CC133476		0.22	0.033	0.6	2.12	215	<10	490	0.5	<2	0.62	<0.5	15	32	65	3.36
CC133477		0.22	0.084	0.8	1.64	403	<10	590	0.5	<2	0.53	<0.5	19	37	86	3.37
CC133478		0.17	0.103	1.2	2.15	581	<10	400	0.6	2	0.17	<0.5	18	43	125	3.48
CC133479		0.24	0.058	0.7	1.78	401	<10	520	0.6	<2	0.28	<0.5	17	61	107	4.12
CC133480		0.31	0.046	1.3	1.84	216	<10	380	0.6	<2	0.23	<0.5	37	44	116	3.11
CC133481		0.25	0.100	2.0	1.28	166	<10	230	<0.5	<2	0.23	<0.5	6	36	93	2.17
CC133482		0.35	0.042	1.2	1.60	158	<10	250	<0.5	<2	0.22	<0.5	13	39	86	2.62
CC133483		0.27	0.043	0.8	2.32	347	<10	300	0.7	2	0.21	<0.5	15	38	163	4.11
CC133484		0.30	0.041	0.5	2.28	157	<10	420	0.5	2	0.35	<0.5	35	57	57	3.49
CC133485		0.28	0.033	0.5	1.95	93	<10	160	0.5	<2	0.67	<0.5	15	34	64	3.03
CC133486		0.28	0.045	0.2	2.49	95	<10	180	0.8	<2	0.58	<0.5	16	37	62	3.86
CC133487		0.34	0.070	0.4	2.28	45	<10	160	0.9	<2	0.57	<0.5	14	32	61	4.03
CC133488		0.20	NSS	<0.2	1.87	13	<10	90	<0.5	<2	0.16	<0.5	8	34	27	3.16
CC133489		0.29	0.003	<0.2	2.00	27	<10	130	<0.5	<2	0.31	<0.5	8	31	17	3.21
CC133490		0.31	0.008	<0.2	2.33	106	<10	220	0.5	<2	0.50	<0.5	15	33	36	3.63
CC133491		0.16	<0.001	0.2	1.97	18	<10	170	<0.5	<2	0.29	<0.5	8	34	21	3.94



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CERTIFICATE OF ANALYSIS WH11126622

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
CC133431		<10	1	0.08	10	0.27	1145	2	0.03	13	1850	7	0.20	<2	1	51
CC133432		10	1	0.07	10	0.77	422	1	0.02	16	450	11	0.04	2	4	17
CC133433		10	1	0.05	10	0.73	464	2	0.02	16	650	16	0.06	2	4	21
CC133434		10	<1	0.07	10	0.59	541	1	0.02	20	520	9	0.04	<2	4	22
CC133435		10	1	0.05	10	0.47	388	2	0.02	19	630	13	0.05	<2	3	23
CC133461		10	1	0.06	10	0.71	592	1	0.03	22	1100	9	0.05	<2	3	43
CC133462		10	1	0.06	10	0.62	399	1	0.02	21	340	10	0.03	<2	4	21
CC133463		10	<1	0.07	10	0.76	613	1	0.03	23	940	10	0.03	<2	5	33
CC133464		10	<1	0.07	10	0.84	618	1	0.03	18	710	9	0.03	2	5	24
CC133465		10	<1	0.07	20	0.73	277	1	0.03	17	510	12	0.06	3	6	31
CC133466		10	1	0.09	10	0.65	202	1	0.02	17	710	11	0.04	5	5	31
CC133467		10	<1	0.08	10	0.54	260	1	0.02	24	530	12	0.04	<2	4	25
CC133468		10	<1	0.06	10	0.73	633	1	0.02	21	820	12	0.08	<2	3	18
CC133469		10	<1	0.05	10	0.44	345	3	0.02	20	480	13	0.05	<2	3	23
CC133470		10	<1	0.05	10	0.50	594	2	0.02	20	1090	13	0.11	<2	2	20
CC133471		10	<1	0.10	10	1.26	797	1	0.03	19	890	12	0.03	2	5	34
CC133472		10	1	0.05	20	0.63	284	1	0.03	15	1170	13	0.08	<2	5	31
CC133473		10	<1	0.05	10	0.48	343	2	0.02	21	480	13	0.04	<2	4	21
CC133474		10	<1	0.07	10	0.61	475	2	0.03	15	1140	14	0.08	<2	4	34
CC133475		10	<1	0.08	10	0.69	648	1	0.03	21	1010	10	0.03	<2	5	29
CC133476		10	<1	0.15	10	0.78	711	1	0.03	19	980	9	0.08	4	7	39
CC133477		10	1	0.22	10	0.63	389	2	0.03	40	1080	15	0.05	12	7	36
CC133478		10	<1	0.14	10	0.42	617	3	0.02	33	1370	11	0.08	13	5	27
CC133479		10	<1	0.26	20	0.57	411	3	0.03	39	1050	8	0.17	10	6	37
CC133480		10	<1	0.13	10	0.46	1250	2	0.02	29	1050	12	0.07	4	4	22
CC133481		10	<1	0.11	10	0.35	146	2	0.02	20	950	13	0.08	3	3	21
CC133482		10	<1	0.11	10	0.42	395	2	0.02	23	920	14	0.07	4	3	22
CC133483		10	<1	0.20	10	0.65	395	2	0.02	37	890	9	0.11	13	5	29
CC133484		10	<1	0.19	10	0.84	937	2	0.02	48	980	14	0.04	4	6	25
CC133485		10	<1	0.06	10	0.59	630	4	0.03	16	1140	13	0.10	<2	4	42
CC133486		10	1	0.10	20	0.84	716	1	0.03	23	1420	15	0.03	3	6	40
CC133487		10	1	0.07	20	0.93	918	1	0.03	15	1000	15	0.03	3	8	32
CC133488		10	<1	0.05	10	0.44	605	4	0.02	17	620	9	0.07	<2	2	19
CC133489		10	1	0.06	10	0.62	269	1	0.02	18	340	7	0.03	2	4	26
CC133490		10	<1	0.08	10	0.82	851	2	0.03	23	1190	10	0.03	2	6	33
CC133491		10	1	0.05	10	0.56	280	2	0.02	18	410	12	0.05	<2	4	37



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CERTIFICATE OF ANALYSIS WH11126622

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
CC133431		<20	0.04	<10	<10	49	<10	35
CC133432		<20	0.10	<10	<10	83	<10	58
CC133433		<20	0.09	<10	<10	109	<10	78
CC133434		<20	0.11	<10	<10	84	<10	59
CC133435		<20	0.11	<10	<10	92	<10	54
CC133461		<20	0.10	<10	<10	78	<10	65
CC133462		<20	0.11	<10	<10	80	<10	58
CC133463		<20	0.10	<10	<10	80	<10	68
CC133464		<20	0.11	<10	<10	87	<10	73
CC133465		<20	0.08	<10	<10	75	<10	58
CC133466		<20	0.09	<10	<10	67	<10	51
CC133467		<20	0.09	<10	<10	70	<10	50
CC133468		<20	0.09	<10	<10	93	<10	68
CC133469		<20	0.10	<10	<10	101	<10	59
CC133470		<20	0.06	<10	<10	79	<10	62
CC133471		<20	0.14	<10	<10	96	<10	83
CC133472		<20	0.06	<10	<10	87	<10	49
CC133473		<20	0.10	<10	<10	88	<10	66
CC133474		<20	0.08	<10	<10	81	<10	65
CC133475		<20	0.12	<10	<10	90	<10	70
CC133476		<20	0.09	<10	<10	92	<10	73
CC133477		<20	0.10	<10	<10	75	<10	72
CC133478		<20	0.05	<10	<10	74	<10	69
CC133479		<20	0.09	<10	<10	86	<10	64
CC133480		<20	0.07	<10	<10	73	<10	63
CC133481		<20	0.05	<10	<10	44	<10	43
CC133482		<20	0.07	<10	<10	60	<10	63
CC133483		<20	0.10	<10	<10	86	<10	68
CC133484		<20	0.12	<10	<10	103	<10	90
CC133485		<20	0.08	<10	<10	79	<10	56
CC133486		<20	0.12	<10	<10	98	<10	83
CC133487		<20	0.08	<10	<10	98	<10	80
CC133488		<20	0.08	<10	<10	84	<10	55
CC133489		<20	0.12	<10	<10	81	<10	49
CC133490		<20	0.11	<10	<10	87	<10	77
CC133491		<20	0.14	<10	<10	110	<10	54



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CERTIFICATE OF ANALYSIS WH11126622

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non- sufficient sample.



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CERTIFICATE WH11126621

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P.O. No.:

This report is for 138 Soil samples submitted to our lab in Whitehorse, YT, Canada on 5-JUL- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS WH11126621

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg .02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC132694		0.29	0.033	14.5	1.80	24	<10	120	<0.5	<2	0.67	<0.5	10	35	48	2.81
CC132695		0.35	0.042	1.0	2.32	89	<10	220	0.8	<2	1.23	<0.5	22	31	118	3.79
CC132696		0.26	0.001	0.4	2.01	50	<10	200	0.5	<2	0.76	0.7	15	30	49	3.40
CC132697		0.34	<0.001	0.7	1.25	29	<10	90	<0.5	<2	0.19	0.5	4	21	34	2.36
CC132698		0.22	NSS	0.3	2.33	87	<10	250	0.5	<2	0.36	<0.5	18	39	53	3.60
CC132699		0.35	0.005	<0.2	2.10	20	<10	250	<0.5	<2	0.67	<0.5	11	36	27	2.92
CC132700		0.17	0.017	0.2	1.71	22	<10	320	<0.5	<2	1.73	<0.5	12	33	43	2.83
CC132701		0.42	0.008	0.3	2.32	54	<10	330	0.6	<2	0.88	<0.5	13	42	57	3.15
CC132714		Destroyed														
CC132715		0.36	0.009	0.2	2.24	41	<10	230	0.5	<2	0.49	<0.5	13	42	48	3.44
CC132716		0.28	0.010	0.2	2.54	98	<10	150	0.5	<2	0.28	<0.5	14	35	26	3.51
CC132717		0.30	0.012	<0.2	2.21	44	<10	220	<0.5	<2	0.53	<0.5	11	35	33	3.47
CC132718		0.31	<0.001	0.3	2.68	28	<10	360	0.6	<2	0.68	0.5	36	39	40	4.91
CC132719		0.19	0.017	0.4	2.18	21	<10	160	0.8	<2	0.64	<0.5	12	36	71	2.48
CC132720		0.31	0.012	0.4	2.06	60	<10	160	1.0	<2	0.34	<0.5	11	34	74	3.17
CC132721		0.20	0.007	0.5	2.29	18	<10	180	0.7	<2	0.55	<0.5	9	34	58	2.83
CC132722		0.29	0.003	0.4	2.44	27	<10	240	0.7	<2	0.59	<0.5	11	33	43	2.43
CC132723		0.32	0.003	0.4	2.46	63	<10	150	0.5	<2	0.27	<0.5	11	30	28	3.96
CC132724		0.21	0.003	0.2	2.01	45	<10	140	0.5	<2	0.46	<0.5	14	48	26	3.49
CC132725		0.23	<0.001	0.2	2.72	18	<10	160	0.7	<2	0.36	<0.5	19	62	45	3.75
CC132726		0.18	<0.001	0.2	1.26	18	<10	90	<0.5	<2	0.24	<0.5	7	28	26	2.53
CC132727		0.24	<0.001	0.2	1.75	11	<10	80	<0.5	<2	0.14	<0.5	7	37	50	3.54
CC132728		0.23	NSS	0.8	1.70	32	<10	130	0.6	<2	0.50	<0.5	13	50	55	2.94
CC132729		0.26	<0.001	0.3	2.10	26	<10	160	<0.5	<2	0.43	<0.5	12	57	27	3.82
CC132730		0.24	0.001	0.3	1.76	33	<10	190	0.5	<2	0.63	<0.5	18	43	23	3.40
CC132731		0.15	NSS	3.2	1.93	32	<10	490	2.1	<2	1.47	1.6	19	40	89	3.16
CC132732		0.30	0.003	0.4	2.68	28	<10	300	0.9	<2	0.36	<0.5	22	90	49	4.10
CC132733		0.41	0.003	0.5	2.47	32	<10	220	0.6	<2	0.45	<0.5	11	87	34	3.48
CC132734		0.28	<0.001	0.5	2.59	18	<10	240	0.6	<2	0.60	<0.5	9	62	35	2.67
CC132735		0.19	0.006	0.5	2.30	57	<10	290	0.6	<2	0.49	<0.5	17	45	27	3.77
CC132736		0.25	<0.001	0.4	2.24	18	<10	190	<0.5	<2	0.46	<0.5	14	61	43	3.19
CC132737		0.33	0.004	0.3	2.33	34	<10	170	0.5	<2	0.48	<0.5	16	70	47	3.72
CC132738		0.20	<0.001	0.4	1.82	34	<10	160	0.5	<2	0.48	<0.5	16	60	22	2.92
CC132739		0.16	<0.001	0.3	1.15	15	<10	60	<0.5	<2	0.11	<0.5	5	33	19	2.42
CC132740		0.25	<0.001	0.5	1.93	112	<10	140	0.5	<2	0.33	<0.5	9	36	24	3.77
CC132741		0.23	<0.001	0.2	1.62	159	<10	180	<0.5	<2	0.15	<0.5	6	33	25	3.21
CC132742		0.36	0.008	0.6	2.93	119	<10	340	0.7	<2	0.33	<0.5	16	48	43	4.54
CC132743		0.24	0.001	0.3	2.82	26	<10	280	0.5	<2	0.71	<0.5	13	38	31	3.69
CC132744		0.21	<0.001	<0.2	2.67	41	<10	160	<0.5	<2	0.24	<0.5	10	37	30	3.10
CC132745		0.18	0.001	0.3	1.53	15	<10	180	0.5	<2	0.61	<0.5	7	28	41	1.85



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
CC132694		10	1	0.07	10	0.85	331	1	0.03	17	640	13	0.04	<2	8	31
CC132695		10	1	0.12	50	0.69	848	2	0.02	18	1000	11	0.10	2	16	52
CC132696		10	1	0.11	20	0.65	784	1	0.02	19	1100	10	0.08	<2	6	43
CC132697		10	<1	0.06	10	0.28	135	2	0.01	10	400	8	0.04	<2	3	17
CC132698		10	<1	0.11	10	0.76	447	1	0.02	32	820	8	0.03	2	5	23
CC132699		10	<1	0.08	10	0.81	314	1	0.02	22	630	8	0.04	<2	5	37
CC132700		<10	1	0.08	10	0.70	936	1	0.02	20	1140	8	0.14	<2	5	77
CC132701		10	1	0.09	20	0.94	415	1	0.02	25	880	9	0.07	2	9	46
CC132714																
CC132715		10	<1	0.11	20	0.99	333	<1	0.02	25	880	12	0.02	<2	10	29
CC132716		10	1	0.07	10	0.73	493	<1	0.02	23	690	17	0.03	3	5	18
CC132717		10	<1	0.10	10	0.99	322	1	0.02	19	560	10	0.06	<2	6	31
CC132718		10	<1	0.15	20	1.18	2940	1	0.02	16	1390	10	0.07	<2	10	30
CC132719		10	1	0.05	10	0.74	1050	<1	0.02	21	1030	14	0.07	<2	6	29
CC132720		10	1	0.06	20	0.65	617	1	0.02	20	820	34	0.03	<2	5	23
CC132721		10	1	0.07	10	0.65	466	1	0.02	19	1060	16	0.06	2	7	35
CC132722		10	1	0.06	10	0.56	585	1	0.02	20	1060	14	0.08	<2	4	46
CC132723		10	1	0.08	10	0.55	405	1	0.02	15	670	13	0.06	<2	4	25
CC132724		10	1	0.09	10	0.75	611	1	0.02	27	390	18	0.03	<2	5	24
CC132725		10	1	0.09	20	0.88	544	1	0.03	50	440	9	0.04	<2	5	32
CC132726		10	1	0.06	10	0.26	279	1	0.02	16	490	9	0.05	<2	3	21
CC132727		10	<1	0.04	10	0.30	272	2	0.02	20	520	9	0.05	<2	3	19
CC132728		10	<1	0.08	30	0.57	855	3	0.02	35	1060	8	0.11	<2	4	35
CC132729		10	<1	0.08	10	0.78	735	3	0.02	26	920	7	0.08	<2	4	28
CC132730		<10	<1	0.07	10	0.63	2210	2	0.02	24	1030	6	0.07	<2	4	30
CC132731		<10	1	0.08	40	0.20	3320	6	0.01	66	1750	29	0.21	3	7	97
CC132732		10	1	0.10	20	0.84	1645	5	0.01	65	1050	11	0.08	3	9	29
CC132733		10	<1	0.11	20	0.90	415	4	<0.01	47	630	11	0.04	2	7	28
CC132734		10	1	0.08	20	0.75	272	1	0.01	31	1250	9	0.10	2	6	39
CC132735		10	1	0.07	20	0.72	1630	1	0.01	25	1120	12	0.07	2	6	30
CC132736		10	<1	0.10	10	0.79	472	2	0.01	36	810	12	0.05	<2	5	31
CC132737		10	<1	0.11	10	0.82	594	3	<0.01	43	720	11	0.07	2	5	32
CC132738		10	1	0.06	20	0.73	1265	1	<0.01	29	1180	13	0.09	<2	4	25
CC132739		10	<1	0.05	10	0.18	162	2	<0.01	16	500	12	0.04	<2	2	12
CC132740		10	<1	0.12	10	0.44	437	2	<0.01	21	560	20	0.05	<2	3	20
CC132741		10	<1	0.08	10	0.31	289	3	<0.01	19	820	12	0.04	4	3	17
CC132742		10	1	0.16	10	0.84	693	2	<0.01	29	980	16	0.04	3	6	28
CC132743		10	<1	0.07	10	0.71	470	1	0.01	22	880	16	0.06	<2	5	49
CC132744		10	<1	0.05	10	0.60	274	1	<0.01	19	550	18	0.02	2	5	19
CC132745		10	1	0.04	10	0.35	504	1	<0.01	13	800	15	0.07	<2	3	40



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
CC132694		<20	0.09	<10	<10	78	<10	55
CC132695		<20	0.08	<10	<10	81	<10	56
CC132696		<20	0.09	<10	<10	84	<10	71
CC132697		<20	0.09	<10	<10	62	<10	29
CC132698		<20	0.14	<10	<10	91	<10	70
CC132699		<20	0.12	<10	<10	76	<10	74
CC132700		<20	0.07	<10	<10	65	<10	72
CC132701		<20	0.10	<10	<10	84	<10	71
CC132714								
CC132715		<20	0.13	<10	<10	92	<10	112
CC132716		<20	0.10	<10	<10	83	<10	66
CC132717		<20	0.10	<10	<10	92	<10	67
CC132718		<20	0.16	<10	<10	125	<10	90
CC132719		<20	0.06	<10	<10	66	<10	61
CC132720		<20	0.06	<10	<10	71	<10	91
CC132721		<20	0.08	<10	<10	81	<10	65
CC132722		<20	0.07	<10	<10	59	<10	67
CC132723		<20	0.09	<10	<10	97	<10	56
CC132724		<20	0.10	<10	<10	73	<10	83
CC132725		<20	0.15	<10	<10	91	<10	82
CC132726		<20	0.10	<10	<10	71	10	45
CC132727		<20	0.11	<10	<10	90	10	58
CC132728		<20	0.07	<10	<10	76	<10	84
CC132729		<20	0.11	<10	<10	100	<10	84
CC132730		<20	0.07	<10	<10	65	<10	76
CC132731		<20	0.01	<10	<10	40	<10	120
CC132732		<20	0.05	<10	<10	79	<10	106
CC132733		<20	0.07	<10	<10	80	<10	108
CC132734		<20	0.06	<10	<10	60	<10	87
CC132735		<20	0.07	<10	<10	83	<10	83
CC132736		<20	0.11	<10	<10	85	<10	90
CC132737		<20	0.11	<10	<10	98	<10	103
CC132738		<20	0.06	<10	<10	61	<10	70
CC132739		<20	0.08	<10	<10	73	<10	38
CC132740		<20	0.08	<10	<10	87	<10	72
CC132741		<20	0.07	<10	<10	83	<10	59
CC132742		<20	0.09	<10	<10	100	<10	100
CC132743		<20	0.10	<10	<10	94	<10	76
CC132744		<20	0.11	<10	<10	84	<10	60
CC132745		<20	0.06	<10	<10	55	<10	46



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg .02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC132746		0.26	0.005	<0.2	1.97	22	<10	150	0.5	<2	0.40	<0.5	10	34	47	3.15
CC132747		0.28	<0.001	<0.2	2.51	15	<10	140	0.6	<2	0.38	<0.5	9	31	36	3.14
CC132748		0.18	NSS	0.4	1.90	18	<10	120	<0.5	<2	0.30	<0.5	7	38	50	2.89
CC132749		0.20	0.033	0.9	2.04	27	<10	210	0.7	<2	0.97	<0.5	10	34	86	2.80
CC132750		0.45	0.012	0.3	1.81	18	<10	140	0.5	<2	0.60	<0.5	9	52	56	3.24
CC132880		0.20	<0.001	0.2	2.26	27	<10	160	<0.5	<2	0.58	<0.5	13	48	48	4.02
CC132881		0.36	0.009	<0.2	2.33	29	<10	280	<0.5	<2	0.58	<0.5	15	33	33	4.00
CC132882		0.29	0.007	0.3	2.52	57	<10	320	0.5	<2	0.94	<0.5	15	44	45	3.85
CC132884		0.20	0.002	<0.2	2.82	164	<10	220	0.6	<2	0.62	<0.5	14	31	20	5.84
CC132885		0.10	NSS	<0.2	2.52	21	<10	190	0.6	2	0.32	<0.5	13	69	24	3.85
CC132886		0.15	<0.001	<0.2	2.33	51	<10	170	0.6	<2	0.67	<0.5	17	92	30	3.58
CC132887		0.17	0.001	<0.2	2.48	24	<10	190	0.5	<2	0.38	<0.5	10	66	35	2.98
CC132888		0.22	0.004	<0.2	1.70	76	<10	150	0.9	<2	0.23	<0.5	24	67	74	5.03
CC132889		0.22	<0.001	0.2	2.71	32	<10	160	0.6	<2	0.32	<0.5	13	89	49	3.99
CC132890		0.11	<0.001	0.2	2.91	24	<10	160	0.8	<2	0.37	<0.5	18	87	46	4.06
CC132891		0.11	0.006	<0.2	2.46	14	<10	160	0.7	<2	0.32	<0.5	13	51	23	3.78
CC132892		0.28	0.005	0.2	2.38	18	<10	150	0.6	<2	0.38	<0.5	16	93	50	3.33
CC132893		0.15	NSS	0.4	1.56	90	<10	220	<0.5	<2	0.22	0.5	21	56	33	3.73
CC132894		0.19	NSS	0.5	1.89	130	<10	150	0.7	<2	0.18	0.6	19	42	43	4.18
CC132895		0.06	NSS	<0.2	2.39	42	<10	180	<0.5	<2	0.79	<0.5	17	38	15	6.31
CC132896		0.18	<0.001	<0.2	2.21	24	<10	270	0.5	<2	0.86	<0.5	12	48	44	3.44
CC132974		0.11	0.032	2.5	1.85	61	<10	140	0.6	<2	0.80	0.6	15	26	145	3.32
CC132975		0.14	0.014	0.3	1.88	19	<10	270	0.5	<2	1.19	<0.5	11	33	80	2.60
CC132976		0.18	<0.001	0.3	2.01	14	<10	160	0.5	<2	0.29	<0.5	10	35	63	3.58
CC132977		0.23	NSS	0.2	1.66	22	<10	260	<0.5	<2	0.99	<0.5	13	28	36	3.06
CC132978		0.17	0.004	<0.2	1.93	11	<10	90	0.5	<2	0.22	<0.5	5	27	24	2.15
CC132979		0.30	0.005	0.2	2.01	11	<10	170	0.7	<2	0.62	<0.5	10	38	81	2.37
CC132980		0.19	0.002	<0.2	2.90	34	<10	150	0.6	<2	0.27	<0.5	10	32	53	3.31
CC132981		0.15	<0.001	<0.2	2.83	11	<10	150	0.5	<2	0.21	<0.5	11	34	20	3.55
CC132982		0.21	0.104	0.3	2.51	195	<10	170	0.5	<2	0.56	0.6	13	31	77	3.17
CC132983		0.20	0.012	<0.2	2.10	41	<10	140	0.5	<2	0.37	<0.5	13	35	41	4.03
CC132984		0.21	0.001	<0.2	2.55	49	<10	170	0.6	<2	0.43	<0.5	16	34	29	5.52
CC132985		0.16	<0.001	<0.2	2.69	85	<10	160	0.6	<2	0.48	<0.5	15	35	30	5.97
CC132986		0.14	<0.001	<0.2	1.89	47	<10	170	0.6	<2	0.25	<0.5	12	53	26	3.87
CC132987		0.19	0.004	0.2	2.10	25	<10	160	0.6	<2	0.44	<0.5	15	61	44	3.47
CC132988		0.17	<0.001	<0.2	1.66	20	<10	140	0.6	<2	0.44	<0.5	10	46	28	2.95
CC132989		0.16	NSS	0.6	1.70	18	<10	220	0.5	<2	0.36	<0.5	7	42	27	2.03
CC132990		0.07	0.005	0.4	2.39	62	<10	360	0.7	<2	0.53	0.9	26	46	30	4.45
CC133251		0.20	0.001	0.3	2.62	99	<10	250	0.6	<2	0.41	<0.5	12	35	38	3.57
CC133252		0.15	<0.001	<0.2	2.28	24	<10	130	<0.5	<2	0.24	<0.5	14	36	25	4.37



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CC132746		10	<1	0.06	10	0.69	413	1	<0.01	16	730	15	0.03	<2	5	26
CC132747		10	<1	0.05	10	0.65	430	<1	0.01	17	900	21	0.03	<2	5	23
CC132748		10	<1	0.05	10	0.56	262	2	<0.01	17	760	17	0.06	<2	4	21
CC132749		<10	1	0.06	10	0.58	650	1	0.01	17	1200	29	0.09	<2	4	52
CC132750		10	<1	0.07	10	1.01	272	<1	0.01	18	1160	12	0.02	<2	6	28
CC132880		10	<1	0.10	10	0.87	402	2	0.01	28	430	18	0.02	<2	6	29
CC132881		10	<1	0.14	10	0.93	460	1	0.01	20	530	9	0.02	<2	5	30
CC132882		10	<1	0.13	20	1.01	556	3	0.02	23	1070	11	0.04	2	9	48
CC132884		10	1	0.15	10	1.26	353	<1	0.01	11	860	13	0.03	3	9	28
CC132885		10	1	0.07	10	0.72	498	1	0.01	35	640	12	0.06	<2	4	24
CC132886		10	<1	0.08	20	0.96	721	2	0.02	45	640	12	0.05	<2	5	33
CC132887		10	1	0.07	10	0.84	236	2	0.01	32	790	10	0.06	<2	6	21
CC132888		<10	1	0.12	30	0.49	777	4	<0.01	70	680	12	0.04	6	11	20
CC132889		10	1	0.10	20	0.97	306	3	0.01	45	630	11	0.03	3	9	18
CC132890		10	1	0.07	10	0.84	657	2	0.02	47	800	15	0.06	<2	5	30
CC132891		10	<1	0.08	10	0.81	579	1	0.01	30	560	12	0.04	<2	5	23
CC132892		10	<1	0.08	20	1.04	409	<1	0.01	47	480	10	0.03	<2	7	22
CC132893		10	<1	0.10	10	0.37	1490	6	<0.01	39	1000	19	0.07	5	3	20
CC132894		10	<1	0.09	10	0.47	1105	3	<0.01	39	860	20	0.05	7	5	19
CC132895		10	<1	0.06	10	0.92	1185	1	0.01	13	1180	13	0.07	<2	7	30
CC132896		10	<1	0.16	20	1.01	353	2	0.02	22	1140	11	0.03	<2	8	36
CC132974		10	<1	0.17	10	0.55	768	6	0.05	24	1200	107	0.09	4	4	41
CC132975		10	1	0.08	20	0.65	777	4	0.05	20	890	11	0.07	<2	7	56
CC132976		10	1	0.06	10	0.55	291	4	0.04	20	460	17	0.02	<2	4	21
CC132977		10	<1	0.09	10	0.75	718	2	0.06	14	1250	9	0.06	<2	5	42
CC132978		10	<1	0.04	10	0.28	163	1	0.04	12	560	14	0.03	<2	2	23
CC132979		10	<1	0.07	10	0.62	346	1	0.05	24	480	17	<0.01	<2	7	39
CC132980		10	1	0.06	10	0.52	521	1	0.04	22	570	18	0.03	<2	4	25
CC132981		10	1	0.05	10	0.49	308	1	0.04	23	390	12	0.03	2	4	22
CC132982		10	<1	0.08	10	0.64	513	1	0.05	30	1000	44	0.03	<2	5	40
CC132983		10	<1	0.11	10	0.82	589	1	0.05	21	560	10	0.02	2	8	26
CC132984		10	1	0.09	10	0.81	778	1	0.04	13	1020	13	0.06	<2	8	23
CC132985		10	<1	0.11	10	0.96	408	1	0.05	13	1040	13	0.07	<2	9	25
CC132986		10	1	0.11	10	0.54	885	1	0.05	29	700	17	0.06	<2	3	24
CC132987		10	<1	0.13	20	0.82	653	1	0.06	37	780	12	0.03	<2	5	25
CC132988		10	1	0.08	20	0.60	462	1	0.05	30	790	12	0.04	<2	3	24
CC132989		10	1	0.08	10	0.50	175	1	0.04	24	1210	11	0.13	<2	4	25
CC132990		10	<1	0.09	20	0.81	7210	1	0.04	31	1020	15	0.05	<2	8	33
CC133251		10	<1	0.12	20	0.88	454	<1	0.04	20	740	11	0.08	<2	7	30
CC133252		10	1	0.07	10	0.72	558	1	0.05	22	390	12	0.04	<2	5	19



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
CC132746		<20	0.11	<10	<10	86	<10	70
CC132747		<20	0.08	<10	<10	84	<10	56
CC132748		<20	0.09	<10	<10	86	<10	59
CC132749		<20	0.06	<10	<10	71	<10	76
CC132750		<20	0.17	<10	<10	94	<10	73
CC132880		<20	0.13	<10	<10	100	<10	76
CC132881		<20	0.18	<10	<10	102	<10	59
CC132882		<20	0.15	<10	<10	102	<10	84
CC132884		<20	0.11	<10	<10	123	<10	79
CC132885		<20	0.11	<10	<10	89	<10	71
CC132886		<20	0.09	<10	<10	88	<10	101
CC132887		<20	0.10	<10	<10	88	<10	78
CC132888		<20	0.02	<10	<10	73	<10	94
CC132889		<20	0.08	<10	<10	101	<10	94
CC132890		<20	0.09	<10	<10	96	<10	113
CC132891		<20	0.12	<10	<10	80	<10	72
CC132892		<20	0.13	<10	<10	79	<10	65
CC132893		<20	0.07	<10	<10	92	<10	94
CC132894		<20	0.07	<10	<10	81	<10	112
CC132895		<20	0.10	<10	<10	107	<10	68
CC132896		<20	0.16	<10	<10	102	<10	69
CC132974		<20	0.04	<10	<10	71	<10	120
CC132975		<20	0.08	<10	<10	66	<10	55
CC132976		<20	0.12	<10	<10	91	<10	49
CC132977		<20	0.11	<10	<10	82	<10	50
CC132978		<20	0.06	<10	<10	55	<10	33
CC132979		<20	0.05	<10	<10	59	<10	56
CC132980		<20	0.06	<10	<10	73	<10	58
CC132981		<20	0.12	<10	<10	84	<10	52
CC132982		<20	0.11	<10	<10	79	<10	123
CC132983		<20	0.13	<10	<10	87	<10	60
CC132984		<20	0.08	<10	<10	102	<10	47
CC132985		<20	0.09	<10	<10	113	<10	53
CC132986		<20	0.09	<10	<10	85	<10	81
CC132987		<20	0.14	<10	<10	78	<10	79
CC132988		<20	0.07	<10	<10	56	<10	76
CC132989		<20	0.05	<10	<10	49	<10	65
CC132990		<20	0.09	<10	<10	87	<10	86
CC133251		<20	0.07	<10	<10	85	<10	70
CC133252		<20	0.13	<10	<10	98	<10	63



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg .02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC133253		0.22	0.002	<0.2	2.08	25	<10	180	<0.5	<2	0.44	<0.5	12	36	35	3.77
CC133254		0.31	0.002	<0.2	2.15	314	<10	210	0.5	<2	0.49	<0.5	10	32	33	3.63
CC133255		0.24	0.020	0.3	2.55	266	<10	150	0.8	<2	0.54	<0.5	22	31	79	4.82
CC133256		0.16	<0.001	<0.2	1.92	36	<10	140	<0.5	<2	0.45	<0.5	12	35	22	3.38
CC133257		0.23	0.024	<0.2	2.14	20	<10	110	0.6	<2	0.24	<0.5	13	33	43	3.61
CC133258		0.17	0.022	0.4	2.30	28	<10	150	0.6	<2	0.35	<0.5	8	41	51	2.97
CC133259		0.12	0.002	<0.2	1.81	11	<10	60	<0.5	<2	0.11	<0.5	5	26	18	3.30
CC133260		0.12	<0.001	<0.2	1.05	9	<10	70	<0.5	<2	0.16	<0.5	5	24	17	2.14
CC133261		0.30	0.017	<0.2	1.68	10	<10	100	<0.5	<2	0.19	<0.5	6	32	16	2.32
CC133262		0.32	0.027	<0.2	1.90	40	<10	130	<0.5	<2	0.32	<0.5	10	32	24	2.76
CC133263		0.19	0.014	1.2	1.59	213	<10	320	<0.5	<2	0.23	<0.5	10	43	38	3.50
CC133264		0.18	0.019	0.3	2.04	34	<10	260	<0.5	<2	0.50	0.5	23	35	31	3.08
CC133265		0.12	0.016	0.2	1.63	15	<10	130	<0.5	<2	0.34	<0.5	32	29	18	3.03
CC133266		0.08	NSS	0.5	0.96	12	<10	120	<0.5	<2	0.46	<0.5	6	22	25	2.85
CC133267		0.09	0.034	<0.2	1.58	8	<10	100	<0.5	<2	0.24	<0.5	6	27	15	2.17
CC133268		0.17	0.023	<0.2	1.89	17	<10	150	<0.5	<2	0.36	<0.5	11	30	24	3.07
CC133269		0.13	0.033	0.2	1.73	9	<10	140	<0.5	<2	0.46	<0.5	11	29	24	2.49
CC133270		0.07	NSS	<0.2	0.60	6	<10	50	<0.5	<2	0.13	<0.5	4	16	19	1.20
CC133271		0.40	0.021	0.3	1.86	35	<10	140	0.8	<2	0.88	<0.5	10	33	67	2.90
CC133272		0.43	0.205	<0.2	2.03	16	<10	150	0.5	<2	0.68	<0.5	10	30	39	2.85
CC133273		0.20	0.018	0.2	1.95	26	<10	230	<0.5	<2	0.72	<0.5	10	37	41	3.13
CC133274		0.42	0.005	<0.2	2.52	36	<10	300	<0.5	<2	0.77	<0.5	19	41	24	4.87
CC133275		0.21	0.007	<0.2	2.31	17	<10	190	<0.5	<2	0.60	<0.5	13	34	27	3.03
CC133276		0.25	0.005	<0.2	2.16	19	<10	220	<0.5	<2	0.82	<0.5	13	35	30	3.27
CC133277		0.49	0.005	<0.2	2.00	26	<10	160	0.5	<2	0.32	<0.5	14	35	45	3.29
CC133278		0.37	0.005	<0.2	1.94	17	<10	210	<0.5	<2	0.36	<0.5	13	36	24	3.43
CC133279		0.26	0.006	<0.2	1.82	17	<10	170	<0.5	<2	0.25	<0.5	9	31	23	3.22
CC133280		0.19	0.005	0.3	1.82	67	<10	160	0.5	<2	0.55	<0.5	11	32	27	3.43
CC133281		0.30	0.005	<0.2	1.68	14	<10	220	<0.5	<2	0.39	<0.5	9	32	20	3.37
CC133282		0.34	0.005	<0.2	2.44	16	<10	160	0.5	<2	0.37	<0.5	13	32	22	3.60
CC133283		0.27	0.007	<0.2	2.54	24	<10	190	<0.5	2	0.31	<0.5	11	32	22	3.75
CC133284		0.50	0.006	<0.2	2.35	15	<10	170	<0.5	<2	0.46	<0.5	15	30	24	3.89
CC133285		0.29	0.007	0.2	2.94	16	<10	240	0.6	<2	0.57	<0.5	12	39	35	3.81
CC133286		0.31	0.039	0.2	3.11	90	<10	160	0.7	<2	0.33	<0.5	17	36	50	4.18
CC133287		0.18	0.018	<0.2	2.49	38	<10	100	<0.5	<2	0.20	<0.5	11	30	27	3.59
CC133288		0.17	0.014	<0.2	2.27	36	<10	210	0.5	<2	0.68	<0.5	12	31	34	3.15
CC133289		0.27	0.025	0.5	3.04	223	<10	290	0.7	3	0.77	<0.5	17	37	100	3.81
CC133290		0.18	NSS	0.7	2.31	200	<10	330	0.8	3	1.37	0.7	13	29	133	2.79
CC133291		0.35	0.007	<0.2	2.54	34	<10	200	0.8	<2	0.39	<0.5	15	66	75	4.03
CC133292		0.23	0.007	<0.2	2.33	15	<10	120	0.6	<2	0.38	<0.5	15	64	104	3.52



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
CC133253		10	<1	0.13	10	0.78	326	1	0.05	21	1350	13	0.03	<2	5	25
CC133254		10	<1	0.07	20	0.64	237	1	0.05	20	740	12	0.05	<2	5	28
CC133255		10	<1	0.10	30	0.89	912	2	0.05	17	770	17	0.02	5	12	34
CC133256		10	<1	0.10	10	0.59	502	1	0.05	21	570	13	0.04	<2	4	32
CC133257		10	<1	0.08	10	0.64	449	2	0.05	18	600	13	0.04	<2	4	20
CC133258		10	<1	0.06	10	0.63	185	3	0.04	18	990	15	0.10	<2	4	28
CC133259		10	1	0.04	10	0.31	183	1	0.04	11	440	10	0.03	<2	3	13
CC133260		10	<1	0.05	10	0.25	229	2	0.04	11	680	9	0.04	<2	2	16
CC133261		10	<1	0.04	10	0.43	197	1	0.04	11	620	12	0.03	<2	3	18
CC133262		10	<1	0.06	10	0.64	291	1	0.04	15	900	12	0.03	<2	4	22
CC133263		10	1	0.13	10	0.49	502	3	0.05	32	840	13	0.05	5	3	21
CC133264		10	1	0.06	10	0.60	2370	2	0.04	17	1040	12	0.08	<2	4	32
CC133265		10	1	0.05	10	0.48	1635	3	0.05	13	1160	13	0.07	<2	3	26
CC133266		<10	1	0.03	10	0.15	369	4	0.05	10	1590	6	0.20	<2	1	33
CC133267		10	<1	0.04	10	0.46	132	1	0.05	12	680	11	0.05	<2	2	21
CC133268		10	<1	0.07	10	0.59	490	1	0.05	16	1030	13	0.01	<2	4	29
CC133269		10	<1	0.05	10	0.45	499	2	0.05	15	940	13	0.08	<2	3	36
CC133270		<10	<1	0.05	10	0.11	100	1	<0.01	18	660	7	0.07	<2	1	15
CC133271		10	<1	0.07	10	0.75	549	1	<0.01	17	890	17	0.06	2	6	40
CC133272		10	<1	0.06	10	0.88	363	2	0.01	17	500	13	0.05	2	8	32
CC133273		10	<1	0.06	10	0.79	358	1	<0.01	12	1210	10	0.10	3	8	36
CC133274		10	<1	0.11	10	0.91	913	2	<0.01	15	1230	9	0.07	3	7	40
CC133275		10	<1	0.10	10	0.90	383	1	<0.01	14	930	9	0.05	2	8	32
CC133276		10	<1	0.08	20	1.00	777	2	0.01	18	830	8	0.07	<2	8	51
CC133277		10	<1	0.08	10	0.72	513	1	<0.01	26	550	9	0.03	<2	5	25
CC133278		10	<1	0.08	10	0.70	535	1	<0.01	26	520	9	0.03	2	4	29
CC133279		10	<1	0.07	10	0.47	275	1	<0.01	17	480	11	0.04	<2	3	22
CC133280		10	<1	0.08	10	0.59	505	2	<0.01	19	830	16	0.07	2	3	43
CC133281		10	<1	0.09	10	0.68	341	1	<0.01	18	280	7	0.02	3	4	30
CC133282		10	<1	0.10	10	0.63	592	1	<0.01	17	660	10	0.04	2	5	30
CC133283		10	<1	0.11	10	0.81	508	1	<0.01	21	380	10	0.02	3	6	24
CC133284		10	<1	0.09	10	0.98	793	1	<0.01	16	430	8	0.03	<2	7	31
CC133285		10	<1	0.11	20	1.03	408	1	<0.01	22	910	9	0.06	<2	10	37
CC133286		10	1	0.10	10	0.96	371	1	<0.01	17	660	18	0.02	4	8	25
CC133287		10	<1	0.08	10	0.74	377	1	<0.01	16	510	10	0.04	<2	4	18
CC133288		10	1	0.09	10	0.73	462	1	<0.01	18	720	11	0.07	2	6	48
CC133289		10	1	0.12	30	0.91	699	1	<0.01	21	890	16	0.06	3	10	53
CC133290		10	<1	0.09	40	0.60	905	1	<0.01	21	1490	11	0.17	3	6	90
CC133291		10	<1	0.16	30	0.99	339	2	<0.01	40	750	13	0.01	3	9	29
CC133292		10	1	0.12	30	0.93	337	1	0.01	48	510	8	0.02	<2	7	37



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
CC133253		<20	0.15	<10	<10	82	<10	83
CC133254		<20	0.10	<10	<10	72	<10	58
CC133255		<20	0.07	<10	<10	91	<10	64
CC133256		<20	0.11	<10	<10	88	<10	69
CC133257		<20	0.10	<10	<10	77	<10	54
CC133258		<20	0.09	<10	<10	91	<10	54
CC133259		<20	0.10	<10	<10	95	<10	41
CC133260		<20	0.07	<10	<10	65	<10	38
CC133261		<20	0.10	<10	<10	63	<10	46
CC133262		<20	0.10	<10	<10	70	<10	59
CC133263		<20	0.08	<10	<10	81	<10	77
CC133264		<20	0.08	<10	<10	72	<10	60
CC133265		<20	0.08	<10	<10	79	<10	56
CC133266		<20	0.02	<10	<10	80	<10	31
CC133267		<20	0.08	<10	<10	50	<10	43
CC133268		<20	0.11	<10	<10	80	<10	71
CC133269		<20	0.07	<10	<10	67	<10	53
CC133270		<20	0.05	<10	<10	37	<10	37
CC133271		<20	0.06	<10	<10	68	<10	69
CC133272		<20	0.07	<10	<10	83	<10	56
CC133273		<20	0.06	<10	<10	90	<10	50
CC133274		<20	0.10	<10	<10	116	<10	66
CC133275		<20	0.10	<10	<10	89	<10	62
CC133276		<20	0.12	<10	<10	88	<10	74
CC133277		<20	0.13	<10	<10	83	<10	62
CC133278		<20	0.10	<10	<10	80	<10	58
CC133279		<20	0.11	<10	<10	89	<10	66
CC133280		<20	0.05	<10	<10	80	<10	65
CC133281		<20	0.15	<10	<10	96	<10	58
CC133282		<20	0.07	<10	<10	83	<10	56
CC133283		<20	0.09	<10	<10	89	<10	59
CC133284		<20	0.09	<10	<10	95	<10	79
CC133285		<20	0.08	<10	<10	93	<10	82
CC133286		<20	0.11	<10	<10	108	<10	76
CC133287		<20	0.09	<10	<10	84	<10	56
CC133288		<20	0.08	<10	<10	78	<10	70
CC133289		<20	0.08	<10	<10	90	<10	92
CC133290		<20	0.04	<10	<10	60	<10	80
CC133291		<20	0.14	<10	<10	106	<10	120
CC133292		<20	0.16	<10	<10	81	10	80



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CERTIFICATE OF ANALYSIS WH11126621

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg .02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC133293		0.18	0.006	<0.2	2.92	13	<10	160	1.0	<2	0.43	<0.5	13	61	41	3.80
CC133294		0.12	0.008	0.6	1.84	37	<10	80	<0.5	<2	0.12	<0.5	9	49	25	5.16
CC133295		0.13	0.009	<0.2	1.86	55	<10	170	<0.5	<2	0.39	<0.5	10	29	21	3.09
CC133296		0.24	0.007	<0.2	2.26	17	<10	130	<0.5	<2	0.22	<0.5	11	35	23	3.36
CC133297		0.26	0.015	0.2	2.25	23	<10	190	0.5	<2	0.35	<0.5	13	40	46	3.26
CC133298		0.23	0.027	0.4	2.06	16	<10	200	0.9	<2	0.66	0.5	8	30	107	2.81
CC133299		0.15	0.021	<0.2	1.92	30	<10	110	0.5	<2	0.24	<0.5	9	48	54	3.46
CC133300		0.09	0.008	<0.2	1.92	9	<10	170	<0.5	<2	0.48	<0.5	10	29	22	2.40
CC133301		0.23	0.011	<0.2	2.46	109	<10	250	0.5	<2	0.27	<0.5	22	48	39	4.23
CC133302		0.18	0.011	0.5	2.15	203	<10	120	<0.5	<2	0.12	<0.5	7	39	24	4.59
CC133303		0.28	0.011	0.6	2.40	66	<10	300	<0.5	<2	0.34	<0.5	13	39	28	3.31
CC133304		0.16	0.013	<0.2	2.17	26	<10	180	<0.5	<2	0.53	<0.5	13	30	32	3.62
CC133305		0.10	0.010	<0.2	2.56	11	<10	170	0.6	<2	0.34	<0.5	12	33	26	2.79
CC133306		0.10	0.022	<0.2	1.04	15	<10	60	<0.5	<2	0.12	<0.5	5	21	12	2.06
CC133307		0.14	0.015	0.2	2.07	26	<10	170	0.5	<2	0.54	<0.5	13	31	58	3.09
CC133308		0.14	0.012	<0.2	2.01	16	<10	120	<0.5	<2	0.23	<0.5	9	32	25	3.32
CC133309		0.15	0.018	0.2	2.66	17	<10	130	0.7	<2	0.27	<0.5	14	37	50	3.28
CC133310		0.30	0.019	0.3	2.00	28	<10	170	1.0	<2	0.56	<0.5	16	59	77	4.00



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CERTIFICATE OF ANALYSIS WH11126621

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
CC133293		10	<1	0.17	30	1.15	462	1	<0.01	37	450	11	0.03	2	7	32
CC133294		10	<1	0.07	10	0.43	399	3	<0.01	27	610	15	0.04	2	3	14
CC133295		10	<1	0.08	10	0.59	358	1	<0.01	18	470	11	0.03	2	4	30
CC133296		10	<1	0.06	10	0.59	286	1	<0.01	24	350	9	0.02	<2	4	19
CC133297		10	<1	0.07	10	0.99	345	1	0.01	19	640	14	0.04	2	8	26
CC133298		10	<1	0.06	20	0.70	481	1	0.01	18	1240	24	0.02	3	12	32
CC133299		10	<1	0.06	10	0.81	285	1	<0.01	13	690	14	0.02	3	5	21
CC133300		10	<1	0.06	10	0.59	394	1	0.01	17	820	12	0.05	<2	4	35
CC133301		10	<1	0.15	10	0.75	1180	3	<0.01	33	690	13	0.04	4	5	28
CC133302		10	<1	0.06	10	0.32	279	2	<0.01	19	490	15	0.04	4	4	16
CC133303		10	1	0.15	10	0.76	526	2	<0.01	25	790	14	0.03	4	5	29
CC133304		10	<1	0.13	10	0.81	395	1	<0.01	16	840	10	0.04	<2	6	34
CC133305		10	1	0.07	10	0.53	524	1	<0.01	22	840	14	0.05	<2	4	33
CC133306		10	<1	0.03	10	0.18	100	1	0.01	9	360	11	0.04	<2	2	17
CC133307		10	<1	0.08	10	0.68	449	1	0.02	19	760	22	0.03	<2	4	36
CC133308		10	<1	0.03	10	0.46	349	1	0.01	15	540	13	0.05	<2	3	21
CC133309		10	<1	0.05	10	0.64	401	1	0.02	25	620	12	0.02	<2	4	22
CC133310		10	<1	0.13	10	0.95	656	1	0.02	19	1130	36	0.01	3	9	29



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
CC133293		<20	0.14	<10	<10	75	<10	82
CC133294		<20	0.10	<10	<10	98	<10	75
CC133295		<20	0.09	<10	<10	79	<10	53
CC133296		<20	0.12	<10	<10	72	<10	50
CC133297		<20	0.10	<10	<10	93	<10	62
CC133298		<20	0.06	<10	<10	87	<10	79
CC133299		<20	0.14	<10	<10	107	<10	66
CC133300		<20	0.10	<10	<10	66	<10	62
CC133301		<20	0.09	<10	<10	93	<10	100
CC133302		<20	0.08	<10	<10	96	<10	62
CC133303		<20	0.10	<10	<10	80	<10	79
CC133304		<20	0.14	<10	<10	96	<10	63
CC133305		<20	0.09	<10	<10	68	<10	60
CC133306		<20	0.09	<10	<10	84	<10	28
CC133307		<20	0.12	<10	<10	85	<10	79
CC133308		<20	0.09	<10	<10	84	<10	58
CC133309		<20	0.11	<10	<10	77	<10	56
CC133310		<20	0.12	<10	<10	98	<10	90



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Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non- sufficient sample.



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CERTIFICATE WH11126620

Project: LLL
P.O. No.:
This report is for 140 Soil samples submitted to our lab in Whitehorse, YT, Canada on 5-JUL- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

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ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS WH11126620

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg .02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC132536		0.19	0.004	<0.2	2.07	18	<10	120	<0.5	<2	0.39	<0.5	13	32	39	3.16
CC132537		0.52	0.002	0.2	2.93	15	<10	190	0.6	<2	0.61	<0.5	15	44	39	4.32
CC132538		0.25	0.110	0.2	2.49	55	<10	110	0.5	2	0.19	<0.5	9	40	25	3.68
CC132539		0.14	0.003	0.4	1.92	49	<10	70	0.5	<2	0.11	<0.5	7	36	26	3.97
CC132540		0.15	<0.001	0.3	2.55	12	<10	100	0.6	<2	0.35	<0.5	16	103	23	3.78
CC132541		0.22	<0.001	<0.2	2.37	9	<10	130	0.5	<2	0.42	<0.5	11	60	27	2.98
CC132542		0.08	<0.001	<0.2	1.38	8	<10	190	<0.5	<2	1.56	0.5	9	33	32	1.87
CC132543		0.18	<0.001	0.2	1.96	15	<10	180	0.5	<2	0.82	<0.5	15	53	35	2.57
CC132544		0.16	<0.001	0.5	1.73	14	<10	150	0.6	<2	0.57	<0.5	16	43	40	2.36
CC132545		0.26	<0.001	0.4	2.19	35	<10	210	0.5	<2	0.36	<0.5	12	63	24	3.43
CC132546		0.16	<0.001	0.5	1.61	15	<10	490	0.6	<2	0.99	1.0	18	43	36	2.53
CC132547		0.16	0.004	0.2	2.17	16	<10	190	<0.5	<2	0.55	0.6	16	73	31	3.04
CC132548		0.18	0.003	<0.2	2.09	20	<10	130	<0.5	<2	0.45	<0.5	10	61	26	3.07
CC132549		0.15	0.002	<0.2	2.30	7	<10	120	0.5	<2	0.30	<0.5	10	61	35	2.41
CC132550		0.10	0.044	0.2	1.97	26	<10	110	0.6	2	0.36	<0.5	10	54	40	3.16
CC132551		0.13	0.004	0.2	1.89	19	<10	110	<0.5	<2	0.37	<0.5	8	31	22	2.30
CC132552		0.11	0.001	0.3	1.77	16	<10	160	0.5	<2	0.56	<0.5	6	30	43	2.05
CC132553		0.21	0.019	0.3	2.22	15	<10	180	0.6	<2	0.47	<0.5	11	36	65	2.95
CC132554		0.14	0.012	0.5	1.99	8	<10	200	0.6	<2	0.72	<0.5	7	34	62	2.01
CC132555		0.13	0.004	0.5	1.74	20	<10	220	0.8	<2	0.99	0.5	13	31	75	2.62
CC132556		0.10	0.026	0.5	1.86	7	<10	190	0.8	<2	0.76	<0.5	4	36	71	1.49
CC132557		0.32	0.020	0.3	2.18	37	<10	170	0.9	<2	0.58	<0.5	7	33	74	2.46
CC132558		0.25	0.008	0.4	2.20	25	<10	290	0.7	<2	0.74	<0.5	10	33	59	2.91
CC132559		0.14	0.014	0.2	2.36	41	<10	290	0.6	<2	0.68	<0.5	14	42	49	3.82
CC132560		0.22	0.004	<0.2	2.12	45	<10	260	<0.5	<2	0.55	<0.5	15	34	40	3.82
CC132561		0.09	<0.001	<0.2	2.05	46	<10	260	0.5	<2	0.90	0.6	12	27	49	3.03
CC132562		0.33	0.023	<0.2	3.12	46	<10	200	0.6	<2	0.37	<0.5	14	36	27	3.94
CC132563		0.16	<0.001	0.3	2.13	92	<10	190	<0.5	<2	0.76	<0.5	11	35	36	3.43
CC132564		0.15	0.003	<0.2	2.63	75	<10	160	<0.5	<2	0.53	<0.5	21	33	27	4.08
CC132565		0.25	0.003	<0.2	2.68	116	<10	220	1.0	<2	0.96	<0.5	23	24	37	4.86
CC132566		0.19	0.001	<0.2	2.47	24	<10	190	0.6	<2	0.21	<0.5	13	31	26	3.56
CC132567		0.33	0.002	<0.2	2.36	29	<10	300	0.5	<2	0.46	<0.5	11	38	37	3.83
CC132568		0.35	0.001	<0.2	1.93	14	<10	160	<0.5	<2	0.27	<0.5	10	30	24	3.14
CC132569		0.36	0.004	<0.2	2.25	15	<10	350	0.5	<2	0.59	<0.5	15	41	68	3.83
CC132570		0.19	0.055	<0.2	2.13	18	<10	160	<0.5	<2	0.42	<0.5	11	50	16	3.49
CC132571		0.21	0.016	<0.2	1.79	28	<10	210	<0.5	<2	0.47	<0.5	11	33	22	3.57
CC132572		0.33	0.006	<0.2	1.80	29	<10	260	<0.5	<2	0.48	<0.5	11	39	78	3.24
CC132573		0.31	0.015	<0.2	2.30	15	<10	120	0.7	<2	0.26	<0.5	10	43	69	3.00
CC132574		0.22	0.036	0.2	2.73	14	<10	130	0.5	<2	0.20	<0.5	8	35	29	3.47
CC132575		0.07	<0.001	<0.2	1.04	6	<10	50	<0.5	<2	0.15	<0.5	3	16	11	1.64



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
CC132536		10	<1	0.07	10	0.61	447	1	0.02	23	940	10	0.08	<2	3	35
CC132537		10	<1	0.09	20	0.97	587	<1	0.02	25	890	13	0.03	<2	10	35
CC132538		10	1	0.07	10	0.53	392	1	0.01	23	780	10	0.08	3	3	20
CC132539		10	1	0.04	10	0.31	296	2	0.01	19	570	13	0.05	4	3	14
CC132540		10	1	0.06	10	1.24	742	<1	0.02	54	480	9	0.04	<2	5	20
CC132541		10	<1	0.06	20	0.90	231	1	0.02	31	560	10	0.04	<2	7	22
CC132542		<10	<1	0.05	20	0.42	1200	1	0.03	19	1410	7	0.20	2	2	67
CC132543		10	1	0.07	20	0.61	1090	1	0.02	28	1230	9	0.12	<2	4	45
CC132544		<10	1	0.05	20	0.42	830	2	0.02	24	1730	8	0.16	<2	3	38
CC132545		10	<1	0.09	10	0.88	288	2	0.02	34	1020	12	0.06	2	5	21
CC132546		<10	1	0.05	20	0.35	3740	2	0.02	25	1990	10	0.16	2	4	54
CC132547		10	1	0.09	10	0.84	673	2	0.02	40	770	7	0.08	2	5	37
CC132548		10	1	0.05	10	0.77	462	2	0.02	31	890	7	0.06	<2	5	26
CC132549		10	<1	0.06	10	0.82	232	2	0.02	35	710	10	0.05	2	5	19
CC132550		10	1	0.07	20	0.58	430	2	0.02	33	1070	11	0.10	2	3	25
CC132551		10	<1	0.05	10	0.54	374	1	0.02	16	610	10	0.04	<2	4	29
CC132552		10	<1	0.05	10	0.46	295	1	0.02	15	970	10	0.09	<2	4	40
CC132553		10	<1	0.06	20	0.73	411	<1	0.02	18	1080	17	0.03	<2	7	34
CC132554		10	<1	0.05	10	0.58	364	1	0.02	18	1280	16	0.10	<2	5	42
CC132555		<10	<1	0.05	20	0.55	1805	2	0.02	15	1420	14	0.12	<2	4	56
CC132556		10	1	0.05	30	0.52	161	<1	0.02	13	1120	17	0.09	<2	7	37
CC132557		10	<1	0.05	20	0.73	230	<1	0.02	15	960	17	0.04	<2	6	28
CC132558		10	<1	0.06	20	0.72	577	1	0.02	19	1220	15	0.10	3	5	43
CC132559		10	<1	0.10	20	0.91	665	<1	0.03	19	1130	13	0.06	<2	8	37
CC132560		10	<1	0.13	10	0.92	1120	<1	0.02	18	720	9	0.03	<2	7	30
CC132561		10	<1	0.12	20	0.77	737	<1	0.02	13	800	13	0.12	<2	7	50
CC132562		10	<1	0.11	10	1.30	388	<1	0.02	16	450	17	0.02	2	10	27
CC132563		10	<1	0.06	20	0.82	465	1	0.02	12	1630	10	0.15	<2	6	33
CC132564		10	<1	0.12	10	1.11	1240	1	0.02	14	710	12	0.05	<2	7	25
CC132565		10	<1	0.07	30	1.21	981	<1	0.02	7	1150	15	0.02	<2	16	39
CC132566		10	<1	0.10	10	0.75	631	<1	0.02	21	390	11	0.02	<2	6	17
CC132567		10	<1	0.19	20	0.85	464	<1	0.02	19	700	12	0.02	<2	9	31
CC132568		10	<1	0.07	10	0.58	388	<1	0.02	19	710	8	0.03	<2	4	20
CC132569		10	<1	0.14	30	0.95	529	1	0.03	25	1030	9	0.03	<2	9	33
CC132570		10	<1	0.07	10	0.79	320	<1	0.02	25	790	9	0.04	<2	5	24
CC132571		10	<1	0.13	10	0.80	431	1	0.02	18	680	9	0.02	<2	5	33
CC132572		10	<1	0.14	20	0.76	419	<1	0.03	26	990	7	0.02	<2	8	29
CC132573		10	<1	0.04	20	0.97	436	1	0.02	17	780	14	0.04	<2	9	19
CC132574		10	<1	0.04	10	0.49	351	1	0.02	18	460	14	0.04	<2	4	19
CC132575		10	<1	0.03	10	0.13	94	1	0.02	8	430	11	0.05	2	2	17



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
CC132536		<20	0.12	<10	<10	80	<10	63
CC132537		<20	0.11	<10	<10	98	<10	72
CC132538		<20	0.08	<10	<10	77	<10	74
CC132539		<20	0.07	<10	<10	88	<10	62
CC132540		<20	0.05	<10	<10	83	<10	69
CC132541		<20	0.10	<10	<10	74	<10	62
CC132542		<20	0.04	<10	<10	39	<10	59
CC132543		<20	0.06	<10	<10	69	<10	78
CC132544		<20	0.05	<10	<10	57	<10	53
CC132545		<20	0.07	<10	<10	84	<10	96
CC132546		<20	0.04	<10	<10	55	<10	99
CC132547		<20	0.07	<10	<10	71	<10	98
CC132548		<20	0.07	<10	<10	76	<10	67
CC132549		<20	0.09	<10	<10	64	<10	74
CC132550		<20	0.07	<10	<10	79	<10	93
CC132551		<20	0.09	<10	<10	69	<10	66
CC132552		<20	0.06	<10	<10	53	<10	49
CC132553		<20	0.10	<10	<10	79	<10	71
CC132554		<20	0.05	<10	<10	52	<10	63
CC132555		<20	0.06	<10	<10	61	<10	61
CC132556		<20	0.06	<10	<10	35	<10	49
CC132557		<20	0.04	<10	<10	59	<10	66
CC132558		<20	0.05	<10	<10	69	<10	73
CC132559		<20	0.12	<10	<10	95	<10	85
CC132560		<20	0.14	<10	<10	97	<10	72
CC132561		<20	0.08	<10	<10	85	<10	63
CC132562		<20	0.11	<10	<10	109	<10	79
CC132563		<20	0.10	<10	<10	81	<10	60
CC132564		<20	0.14	<10	<10	104	<10	73
CC132565		<20	0.04	<10	<10	125	<10	76
CC132566		<20	0.10	<10	<10	79	<10	63
CC132567		<20	0.16	<10	<10	91	<10	71
CC132568		<20	0.11	<10	<10	77	<10	50
CC132569		<20	0.15	<10	<10	98	<10	67
CC132570		<20	0.10	<10	<10	64	<10	69
CC132571		<20	0.15	<10	<10	103	<10	62
CC132572		<20	0.14	<10	<10	78	<10	61
CC132573		<20	0.06	<10	<10	87	<10	54
CC132574		<20	0.08	<10	<10	85	<10	53
CC132575		<20	0.09	<10	<10	76	<10	26



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg .02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC132576		0.17	<0.001	<0.2	2.00	39	<10	220	0.6	<2	0.14	<0.5	11	36	33	4.11
CC132577		0.38	0.011	<0.2	2.29	34	<10	160	0.6	<2	0.43	<0.5	12	32	45	3.85
CC132578		0.20	0.009	<0.2	2.21	13	<10	150	0.5	<2	0.43	<0.5	13	28	31	2.77
CC132579		0.19	0.010	<0.2	1.61	45	<10	130	0.5	<2	0.45	<0.5	7	30	38	2.46
CC132580		0.18	0.005	<0.2	2.09	12	<10	120	0.5	<2	0.18	<0.5	6	31	25	3.33
CC132581		0.10	0.002	0.2	1.10	6	<10	160	<0.5	<2	0.44	<0.5	6	23	21	2.31
CC132582		0.20	0.012	0.8	2.59	35	<10	190	0.8	<2	0.70	<0.5	14	67	92	3.30
CC132583		0.21	0.161	<0.2	1.98	48	<10	160	0.5	<2	0.40	<0.5	13	27	27	3.84
CC132584		0.16	0.059	1.5	1.73	311	<10	410	<0.5	<2	0.30	<0.5	15	41	31	3.80
CC132585		0.14	0.001	0.6	2.31	21	<10	220	0.5	<2	0.56	<0.5	15	32	30	2.88
CC132586		0.26	0.006	<0.2	1.98	15	<10	150	<0.5	<2	0.29	<0.5	10	32	30	2.69
CC132587		0.29	0.011	0.4	2.01	30	<10	170	0.7	<2	0.61	<0.5	8	36	58	2.69
CC132588		0.26	0.008	<0.2	1.80	41	<10	210	0.7	<2	0.65	<0.5	11	29	57	3.24
CC132589		0.27	0.023	0.8	2.75	190	<10	270	0.7	<2	0.81	<0.5	9	33	70	3.21
CC132590		0.18	0.014	0.2	2.47	142	<10	150	0.6	2	0.38	<0.5	15	29	56	3.68
CC132591		0.34	0.001	<0.2	2.36	68	<10	290	0.7	3	0.96	<0.5	12	34	39	3.38
CC132592		0.41	0.001	<0.2	1.74	33	<10	200	<0.5	<2	0.27	<0.5	9	33	34	3.23
CC132593		0.42	0.003	<0.2	1.60	68	<10	200	<0.5	2	0.47	<0.5	9	38	28	3.62
CC132594		0.40	0.004	<0.2	2.22	91	<10	160	<0.5	2	0.32	<0.5	15	39	46	3.50
CC132595		0.36	0.002	<0.2	1.52	24	<10	120	<0.5	<2	0.31	<0.5	8	31	17	3.53
CC132596		0.25	0.003	<0.2	0.80	9	<10	70	<0.5	<2	0.14	0.8	4	18	15	1.57
CC132597		0.48	0.011	0.2	2.06	12	<10	160	0.6	2	0.47	<0.5	10	44	93	3.10
CC132598		0.31	0.023	<0.2	2.32	14	<10	120	0.5	3	0.26	<0.5	10	34	44	3.14
CC132599		0.21	0.001	<0.2	2.25	14	<10	100	<0.5	2	0.16	<0.5	7	32	22	3.49
CC132600		0.36	0.026	<0.2	2.09	19	<10	110	0.9	3	0.72	<0.5	10	48	88	3.48
CC132601		0.18	0.013	<0.2	1.81	25	<10	140	0.6	2	0.57	<0.5	11	32	103	3.40
CC132602		0.22	0.219	<0.2	1.99	31	<10	100	0.5	<2	0.38	<0.5	12	37	63	3.68
CC132603		0.21	0.006	<0.2	2.14	35	<10	130	0.7	2	0.37	<0.5	10	34	40	3.14
CC132604		0.20	0.001	0.4	2.08	72	<10	230	0.7	2	0.99	0.6	11	32	70	2.47
CC132605		0.27	0.007	<0.2	2.01	44	<10	150	<0.5	2	0.74	<0.5	8	27	36	2.18
CC132606		0.25	0.002	0.2	2.53	14	<10	160	0.5	4	0.31	<0.5	10	33	34	2.93
CC132607		0.28	0.006	<0.2	1.50	10	<10	130	<0.5	2	0.39	<0.5	7	26	19	2.39
CC132608		0.24	0.008	<0.2	2.36	31	<10	190	<0.5	3	0.57	<0.5	12	34	31	3.24
CC132609		0.23	0.013	<0.2	2.53	61	<10	250	0.6	3	0.83	<0.5	14	33	47	4.07
CC132610		0.26	0.011	0.2	1.68	106	<10	350	0.5	3	0.35	<0.5	12	34	44	3.76
CC132611		0.13	0.015	<0.2	0.69	7	<10	80	<0.5	<2	0.13	<0.5	2	14	14	1.39
CC132612		0.28	0.013	<0.2	1.87	42	<10	140	<0.5	2	0.36	<0.5	10	31	36	2.81
CC132613		0.12	0.010	<0.2	1.86	13	<10	110	<0.5	<2	0.19	<0.5	5	29	28	3.12
CC132614		0.17	0.016	<0.2	2.01	21	<10	120	<0.5	3	0.31	<0.5	10	31	60	3.49
CC132615		0.14	0.020	<0.2	1.69	19	<10	270	<0.5	<2	0.37	<0.5	10	28	38	2.91



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
CC132576		10	<1	0.06	10	0.44	504	1	0.02	29	540	13	0.06	<2	3	17
CC132577		10	<1	0.09	20	0.82	400	<1	0.02	19	790	13	0.03	<2	7	29
CC132578		10	<1	0.05	10	0.58	374	<1	0.02	18	770	14	0.02	<2	5	32
CC132579		10	1	0.05	10	0.62	274	<1	0.02	15	950	12	0.02	<2	5	29
CC132580		10	<1	0.03	10	0.32	263	1	0.01	12	450	13	0.03	<2	2	18
CC132581		10	<1	0.03	10	0.21	648	1	0.02	11	630	12	0.05	<2	1	31
CC132582		10	<1	0.06	20	1.44	405	<1	0.03	25	840	20	0.04	<2	15	34
CC132583		10	<1	0.08	10	0.80	393	<1	0.02	13	870	11	0.02	<2	6	22
CC132584		10	<1	0.08	10	0.42	1060	6	0.02	21	1580	14	0.14	6	2	30
CC132585		10	<1	0.05	10	0.55	956	2	0.02	16	1310	13	0.11	<2	4	41
CC132586		10	<1	0.05	10	0.59	415	<1	0.02	16	820	14	0.03	<2	4	22
CC132587		10	<1	0.06	20	0.72	338	1	0.02	16	1120	19	0.05	<2	6	31
CC132588		10	<1	0.07	20	0.70	663	1	0.02	13	970	15	0.06	<2	5	37
CC132589		10	<1	0.16	20	0.87	287	<1	0.03	18	900	19	0.10	<2	12	45
CC132590		10	<1	0.08	10	0.89	673	1	0.01	21	740	20	0.01	3	6	25
CC132591		10	<1	0.08	20	0.86	675	<1	0.02	20	780	10	0.06	4	8	49
CC132592		10	<1	0.09	10	0.46	318	2	0.01	17	450	10	0.02	<2	5	20
CC132593		10	<1	0.12	10	0.57	369	1	0.01	20	600	13	0.05	2	3	34
CC132594		10	<1	0.10	10	0.74	383	<1	0.01	30	430	7	0.03	<2	4	20
CC132595		10	<1	0.06	10	0.48	241	1	0.01	18	740	10	0.01	<2	3	22
CC132596		<10	<1	0.04	10	0.16	97	1	0.01	8	480	6	0.05	<2	1	16
CC132597		10	<1	0.06	20	0.94	318	<1	0.02	20	800	11	0.02	<2	11	28
CC132598		10	<1	0.06	10	0.66	303	<1	0.01	21	380	12	0.02	<2	4	21
CC132599		10	<1	0.04	10	0.46	262	1	0.01	16	450	15	0.03	<2	3	15
CC132600		10	<1	0.06	20	0.93	671	<1	0.02	18	1550	15	0.01	<2	8	34
CC132601		10	<1	0.10	10	0.65	674	<1	0.01	15	1370	13	0.02	2	5	30
CC132602		10	<1	0.06	10	0.76	386	<1	0.01	18	750	14	0.02	<2	5	24
CC132603		10	<1	0.05	10	0.60	440	<1	0.01	19	760	14	0.02	<2	4	25
CC132604		<10	<1	0.06	20	0.59	1355	1	0.02	21	1300	14	0.12	<2	5	59
CC132605		<10	<1	0.06	10	0.52	231	<1	0.02	15	840	13	0.05	<2	4	43
CC132606		10	<1	0.06	10	0.65	486	<1	0.01	20	630	15	0.02	2	6	24
CC132607		10	<1	0.06	10	0.54	251	<1	0.01	16	350	8	0.02	<2	3	27
CC132608		10	<1	0.06	10	0.69	380	<1	0.02	20	730	14	0.05	<2	5	38
CC132609		10	<1	0.12	20	0.75	728	1	0.01	20	1230	13	0.09	2	6	48
CC132610		<10	<1	0.21	10	0.65	516	1	0.02	26	860	13	0.10	5	5	26
CC132611		<10	<1	0.04	<10	0.12	97	1	0.01	9	590	7	0.06	<2	1	16
CC132612		<10	<1	0.06	10	0.63	413	<1	0.02	19	490	10	0.01	<2	4	28
CC132613		10	<1	0.03	10	0.28	175	1	<0.01	12	400	15	0.02	<2	3	19
CC132614		10	<1	0.05	10	0.60	270	2	0.01	19	390	16	0.02	<2	5	24
CC132615		10	<1	0.07	10	0.64	277	1	0.02	18	490	10	0.03	2	5	25



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
CC132576		<20	0.08	<10	<10	93	<10	102
CC132577		<20	0.10	<10	<10	87	<10	65
CC132578		<20	0.10	<10	<10	73	<10	57
CC132579		<20	0.09	<10	<10	65	<10	56
CC132580		<20	0.08	<10	<10	85	<10	53
CC132581		<20	0.05	<10	<10	79	<10	44
CC132582		<20	0.07	<10	<10	94	<10	72
CC132583		<20	0.12	<10	<10	88	<10	54
CC132584		<20	0.04	<10	<10	118	<10	58
CC132585		<20	0.06	<10	<10	79	<10	56
CC132586		<20	0.08	<10	<10	73	<10	64
CC132587		<20	0.06	<10	<10	72	<10	80
CC132588		<20	0.06	<10	<10	72	<10	79
CC132589		<20	0.07	<10	<10	82	<10	73
CC132590		<20	0.09	<10	<10	91	<10	64
CC132591		<20	0.06	<10	<10	77	<10	66
CC132592		<20	0.08	<10	<10	80	<10	47
CC132593		<20	0.12	<10	<10	102	<10	72
CC132594		<20	0.12	<10	<10	89	<10	53
CC132595		<20	0.15	<10	<10	103	<10	49
CC132596		<20	0.06	<10	<10	52	<10	26
CC132597		<20	0.11	<10	<10	88	<10	56
CC132598		<20	0.09	<10	<10	73	<10	53
CC132599		<20	0.09	<10	<10	89	<10	47
CC132600		<20	0.08	<10	<10	91	<10	68
CC132601		<20	0.07	<10	<10	94	<10	71
CC132602		<20	0.12	<10	<10	99	<10	61
CC132603		<20	0.09	<10	<10	74	<10	59
CC132604		<20	0.05	<10	<10	62	<10	71
CC132605		<20	0.09	<10	<10	61	<10	51
CC132606		<20	0.10	<10	<10	81	<10	62
CC132607		<20	0.10	<10	<10	68	<10	48
CC132608		<20	0.09	<10	<10	85	<10	62
CC132609		<20	0.06	<10	<10	87	<10	85
CC132610		<20	0.12	<10	<10	83	<10	88
CC132611		<20	0.04	<10	<10	41	<10	32
CC132612		<20	0.12	<10	<10	77	<10	57
CC132613		<20	0.08	<10	<10	96	<10	36
CC132614		<20	0.10	<10	<10	97	<10	53
CC132615		<20	0.11	<10	<10	73	<10	49



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg .02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC132616		0.24	0.010	<0.2	2.16	14	<10	150	0.5	<2	0.58	<0.5	10	48	37	2.94
CC132617		0.30	0.006	<0.2	2.50	25	<10	240	0.6	2	0.53	<0.5	13	33	28	4.11
CC132618		0.10	0.006	<0.2	1.82	61	<10	330	<0.5	2	0.44	<0.5	9	31	21	3.42
CC132619		0.11	0.008	<0.2	1.36	28	<10	140	<0.5	<2	0.18	<0.5	6	29	15	4.03
CC132620		0.30	0.017	0.3	2.51	25	<10	180	0.6	2	0.47	<0.5	11	37	52	2.95
CC132621		0.23	0.010	<0.2	0.67	9	<10	40	<0.5	<2	0.09	<0.5	3	16	13	1.62
CC132622		0.32	0.020	<0.2	2.01	15	<10	90	0.8	2	0.86	<0.5	8	32	57	2.89
CC132623		0.34	0.026	0.3	1.72	9	<10	130	0.5	2	0.30	<0.5	6	29	52	3.00
CC132624		0.24	0.010	<0.2	1.52	10	<10	100	<0.5	2	0.21	<0.5	5	26	19	2.78
CC132625		0.25	0.002	0.8	1.94	13	<10	150	0.7	2	0.49	<0.5	7	37	38	2.88
CC132626		0.38	0.039	0.3	1.79	25	<10	160	0.6	<2	0.58	<0.5	11	26	158	3.52
CC132627		0.12	0.007	<0.2	2.11	18	<10	160	<0.5	<2	0.36	<0.5	11	31	25	3.60
CC132628		0.44	0.006	<0.2	2.20	26	<10	320	<0.5	<2	0.73	<0.5	14	44	53	3.49
CC132629		0.18	0.006	1.0	2.31	32	<10	170	0.5	<2	0.41	<0.5	12	69	31	3.14
CC132630		0.26	0.005	<0.2	2.33	50	<10	160	0.6	2	0.35	<0.5	23	79	39	4.75
CC132631		0.23	0.009	<0.2	2.28	31	<10	210	0.8	3	0.30	<0.5	16	93	41	3.61
CC132632		0.41	0.008	0.2	2.15	29	<10	170	0.9	2	0.25	<0.5	14	94	50	3.56
CC132633		0.11	0.007	<0.2	2.30	51	<10	180	0.9	<2	0.24	<0.5	34	62	49	4.59
CC132634		0.17	0.010	<0.2	2.05	45	<10	140	0.5	2	0.37	<0.5	13	54	29	4.01
CC132635		0.11	0.026	0.6	1.53	110	<10	120	<0.5	<2	0.19	<0.5	9	34	21	2.97
CC132636		0.20	0.006	0.3	2.11	43	<10	120	0.5	<2	0.15	<0.5	14	65	41	4.86
CC132637	Destroyed															
CC132638		0.12	0.007	<0.2	1.81	11	<10	80	<0.5	<2	0.17	<0.5	6	27	15	3.01
CC132639		0.08	0.016	<0.2	1.54	8	<10	130	<0.5	<2	0.35	<0.5	8	22	29	2.49
CC132640		0.07	NSS	<0.2	2.07	10	<10	110	0.5	<2	0.30	<0.5	10	36	20	2.91
CC132641		0.19	0.005	<0.2	1.89	17	<10	130	<0.5	<2	0.61	<0.5	13	57	27	3.20
CC132642		0.22	0.007	<0.2	1.57	14	<10	80	<0.5	<2	0.39	<0.5	8	35	16	3.68
CC132643		0.29	0.005	<0.2	1.77	19	<10	130	<0.5	<2	0.49	<0.5	13	70	26	2.88
CC132644		0.30	0.003	0.6	2.27	40	<10	190	0.7	<2	0.21	<0.5	15	48	42	3.45
CC132645		0.20	0.009	<0.2	1.34	131	<10	170	0.5	<2	0.23	<0.5	18	28	37	3.85
CC132646		0.36	<0.001	<0.2	2.51	34	<10	210	0.7	<2	0.60	<0.5	14	31	28	4.60
CC132647		0.17	0.022	<0.2	1.98	23	<10	170	<0.5	<2	0.62	<0.5	10	28	53	2.80
CC132648		0.09	0.016	<0.2	1.21	4	<10	340	<0.5	2	0.58	<0.5	4	26	18	1.30
CC132649		0.31	0.007	<0.2	2.07	3	<10	230	<0.5	<2	0.42	<0.5	8	28	10	2.13
CC132650		0.26	0.015	<0.2	2.24	11	<10	340	<0.5	<2	0.63	<0.5	11	29	11	3.23
CC132651		0.26	0.028	0.2	1.81	43	<10	370	<0.5	<2	1.67	0.5	16	24	54	3.05
CC132652		0.29	0.101	<0.2	1.99	46	<10	340	<0.5	<2	1.20	<0.5	16	29	46	3.41
CC132653		0.32	0.011	<0.2	2.28	22	<10	340	<0.5	<2	1.04	<0.5	14	33	50	3.07
CC132654		0.19	0.020	<0.2	2.15	33	<10	260	0.5	<2	0.77	<0.5	16	35	51	3.25
CC132655		0.16	0.011	0.2	1.04	7	<10	70	<0.5	<2	0.17	<0.5	5	17	23	1.75



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
CC132616		10	<1	0.07	10	1.03	196	<1	0.02	15	1020	12	0.01	2	8	26
CC132617		10	<1	0.15	20	1.02	485	<1	0.01	15	1090	10	0.01	2	8	25
CC132618		10	<1	0.07	10	0.70	426	1	0.01	19	560	9	0.05	<2	3	35
CC132619		10	<1	0.07	10	0.36	219	1	0.01	15	350	10	0.02	<2	3	17
CC132620		10	<1	0.06	10	0.73	412	1	0.01	19	870	15	0.05	<2	6	34
CC132621		10	<1	0.03	10	0.10	89	1	0.01	6	350	8	0.02	<2	1	10
CC132622		10	<1	0.04	10	1.08	487	<1	0.02	13	1620	12	0.01	2	9	41
CC132623		10	<1	0.04	10	0.43	239	<1	0.01	13	470	12	0.03	<2	3	27
CC132624		10	<1	0.04	10	0.28	211	1	0.01	11	370	12	0.02	<2	2	19
CC132625		10	<1	0.06	10	0.62	370	<1	0.01	17	1580	13	0.11	<2	2	41
CC132626		<10	<1	0.09	10	0.63	366	3	<0.01	20	440	15	0.02	4	10	29
CC132627		10	<1	0.07	10	0.66	306	2	<0.01	20	420	10	0.03	3	4	30
CC132628		10	<1	0.16	20	1.00	400	1	0.01	24	1020	8	0.03	2	8	39
CC132629		10	<1	0.07	10	0.89	433	1	<0.01	33	560	8	0.03	<2	6	28
CC132630		10	1	0.09	10	0.83	1610	6	<0.01	41	970	12	0.05	5	7	26
CC132631		10	<1	0.11	20	0.96	497	11	<0.01	69	540	12	0.02	8	8	25
CC132632		10	<1	0.11	20	0.88	245	25	<0.01	66	450	13	0.01	9	12	19
CC132633		10	<1	0.08	20	0.65	1875	8	<0.01	33	850	14	0.06	4	7	22
CC132634		10	1	0.07	10	0.71	704	2	<0.01	28	800	12	0.04	2	5	26
CC132635		<10	<1	0.11	10	0.45	459	3	<0.01	28	650	23	0.04	5	3	19
CC132636		10	<1	0.14	10	0.77	434	1	<0.01	37	570	11	0.06	3	5	15
CC132637																
CC132638		10	<1	0.04	10	0.34	211	1	<0.01	13	520	10	0.04	2	3	20
CC132639		10	<1	0.04	10	0.34	192	1	<0.01	14	560	12	0.05	<2	2	34
CC132640		10	<1	0.06	10	0.69	369	1	<0.01	20	760	10	0.06	<2	3	24
CC132641		10	<1	0.08	10	0.83	584	2	<0.01	32	590	10	0.04	3	4	34
CC132642		10	<1	0.06	10	0.36	825	1	<0.01	14	680	10	0.05	<2	2	27
CC132643		10	<1	0.09	10	0.87	423	1	0.02	37	370	7	0.03	<2	5	27
CC132644		10	<1	0.10	20	0.66	840	2	<0.01	34	870	16	0.05	2	6	20
CC132645		<10	<1	0.12	10	0.40	1070	3	<0.01	32	750	15	0.07	10	4	34
CC132646		10	<1	0.13	20	0.82	760	1	<0.01	14	1100	11	0.06	4	8	36
CC132647		10	<1	0.06	10	0.60	298	2	<0.01	16	1200	14	0.12	3	4	40
CC132648		<10	1	0.03	20	0.19	262	1	<0.01	9	1880	8	0.16	<2	2	51
CC132649		10	<1	0.07	10	0.57	211	<1	<0.01	14	750	9	0.02	<2	5	28
CC132650		10	<1	0.09	10	0.62	475	1	<0.01	13	940	12	0.05	<2	5	47
CC132651		<10	<1	0.10	20	0.72	2360	4	0.01	16	920	8	0.14	3	5	81
CC132652		10	1	0.12	10	0.82	1965	4	<0.01	18	740	8	0.09	3	6	62
CC132653		10	1	0.15	20	0.81	365	1	<0.01	18	910	10	0.09	3	7	52
CC132654		10	<1	0.12	20	0.89	609	1	0.01	18	660	11	0.05	2	7	42
CC132655		10	1	0.05	10	0.18	105	3	<0.01	8	380	9	0.03	<2	2	17



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10
CC132616		<20	0.10	<10	<10	91	<10
CC132617		<20	0.12	<10	<10	96	<10
CC132618		<20	0.07	<10	<10	79	<10
CC132619		<20	0.13	<10	<10	107	<10
CC132620		<20	0.10	<10	<10	91	<10
CC132621		<20	0.08	<10	<10	78	<10
CC132622		<20	0.06	<10	<10	102	<10
CC132623		<20	0.08	<10	<10	91	<10
CC132624		<20	0.07	<10	<10	90	<10
CC132625		<20	0.03	<10	<10	81	<10
CC132626		<20	0.04	<10	<10	78	<10
CC132627		<20	0.13	<10	<10	89	<10
CC132628		<20	0.18	<10	<10	93	<10
CC132629		<20	0.07	<10	<10	64	<10
CC132630		<20	0.05	<10	<10	92	<10
CC132631		<20	0.08	<10	<10	76	<10
CC132632		<20	0.07	<10	<10	80	<10
CC132633		<20	0.05	<10	<10	86	<10
CC132634		<20	0.07	<10	<10	84	<10
CC132635		<20	0.03	<10	<10	58	<10
CC132636		<20	0.15	<10	<10	103	<10
CC132637							
CC132638		<20	0.09	<10	<10	71	<10
CC132639		<20	0.08	<10	<10	65	<10
CC132640		<20	0.07	<10	<10	74	<10
CC132641		<20	0.09	<10	<10	75	<10
CC132642		<20	0.08	<10	<10	93	<10
CC132643		<20	0.11	<10	<10	70	<10
CC132644		<20	0.08	<10	<10	73	<10
CC132645		<20	0.06	<10	<10	72	<10
CC132646		<20	0.05	<10	<10	93	<10
CC132647		<20	0.05	<10	<10	62	<10
CC132648		<20	0.03	<10	<10	27	<10
CC132649		<20	0.08	<10	<10	51	<10
CC132650		<20	0.08	<10	<10	73	<10
CC132651		<20	0.08	<10	<10	74	<10
CC132652		<20	0.10	<10	<10	85	<10
CC132653		<20	0.14	<10	<10	84	<10
CC132654		<20	0.12	<10	<10	90	<10
CC132655		<20	0.07	<10	<10	58	<10



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CC132656		0.18	0.026	<0.2	0.90	6	<10	140	<0.5	<2	0.29	0.5	6	16	22	1.99
CC132657		0.38	0.012	0.2	1.47	9	<10	200	<0.5	<2	0.46	1.1	11	25	48	2.61
CC132658		0.24	0.041	<0.2	1.91	108	<10	80	0.5	<2	0.35	<0.5	13	36	64	3.30
CC132659		0.28	0.020	<0.2	1.72	25	<10	100	0.5	<2	0.55	<0.5	13	36	58	3.39
CC132660		0.37	0.020	<0.2	1.86	14	<10	160	<0.5	<2	0.26	<0.5	9	38	28	3.57
CC132661		0.30	0.010	0.2	2.38	14	<10	90	0.9	<2	0.42	<0.5	11	50	24	3.17
CC132662		0.27	<0.001	<0.2	1.08	14	<10	90	<0.5	<2	0.27	<0.5	5	17	17	1.64
CC132663		0.25	0.017	0.2	1.62	19	<10	100	<0.5	<2	0.52	<0.5	9	30	43	2.55
CC132664		0.44	0.021	0.2	1.89	25	<10	140	<0.5	<2	0.45	<0.5	10	31	38	2.63
CC132665		0.28	0.017	0.6	2.75	21	<10	110	0.6	<2	0.60	<0.5	17	28	99	2.99
CC132666		0.34	0.008	0.4	2.21	13	<10	150	0.5	<2	0.60	<0.5	10	24	45	2.82
CC132667		0.39	0.012	0.2	2.34	16	<10	130	0.5	<2	0.38	<0.5	14	30	29	3.12
CC132668		0.36	0.014	0.2	2.34	48	<10	190	0.5	<2	0.41	<0.5	12	34	33	3.18
CC132669		0.32	0.010	0.4	2.03	41	<10	90	0.5	<2	0.36	<0.5	12	28	38	4.09
CC132670		0.25	0.022	0.3	2.31	24	<10	170	<0.5	<2	0.61	<0.5	23	34	18	4.44
CC132671		0.33	0.009	0.2	2.21	223	<10	230	0.6	<2	0.53	<0.5	16	31	56	4.80
CC132672		0.24	0.010	<0.2	1.88	36	<10	110	<0.5	<2	0.29	<0.5	11	27	31	3.57
CC132673		0.18	0.005	0.3	1.06	12	<10	100	<0.5	<2	0.22	0.9	4	18	13	1.66
CC132674	Destroyed															
CC132675		0.13	0.011	0.3	1.39	7	<10	80	<0.5	<2	0.20	<0.5	6	22	20	2.23



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
CC132656		10	1	0.06	10	0.17	287	3	<0.01	12	530	10	0.06	<2	1	25
CC132657		10	<1	0.07	10	0.30	857	3	<0.01	18	1220	11	0.15	2	1	37
CC132658		10	<1	0.05	10	0.69	411	2	<0.01	23	500	14	0.03	<2	4	24
CC132659		10	1	0.06	10	0.63	526	4	<0.01	20	880	16	0.06	3	3	37
CC132660		10	<1	0.06	10	0.56	279	1	<0.01	21	690	10	0.07	<2	3	26
CC132661		10	<1	0.06	10	1.02	640	1	<0.01	18	950	15	0.04	2	5	24
CC132662		10	<1	0.03	10	0.24	120	1	<0.01	9	340	8	0.02	<2	2	26
CC132663		<10	1	0.06	10	0.62	312	1	0.02	23	820	14	0.03	<2	4	34
CC132664		<10	<1	0.05	10	0.58	483	<1	0.02	22	740	13	0.02	<2	5	32
CC132665		10	1	0.07	10	0.52	455	1	0.02	24	720	28	0.05	<2	4	40
CC132666		10	<1	0.06	10	0.57	380	<1	0.02	17	760	22	0.04	4	5	40
CC132667		10	<1	0.05	10	0.68	440	<1	0.02	20	800	12	0.02	<2	5	27
CC132668		10	<1	0.06	20	0.72	267	1	0.02	22	1000	14	0.04	2	6	26
CC132669		10	1	0.07	10	0.86	324	1	0.02	16	410	14	0.04	5	6	23
CC132670		10	<1	0.07	10	0.88	1910	6	0.02	14	1120	10	0.07	<2	6	29
CC132671		10	1	0.11	10	0.72	600	1	0.02	17	700	13	0.06	11	7	34
CC132672		10	1	0.07	10	0.64	280	1	0.01	16	540	10	0.03	3	4	22
CC132673		10	<1	0.04	10	0.30	102	1	0.02	11	430	8	0.05	<2	2	22
CC132674																
CC132675		10	1	0.03	10	0.33	170	1	0.02	11	430	11	0.04	<2	3	20



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***** See Appendix Page for comments regarding this certificate *****



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CERTIFICATE OF ANALYSIS WH11126620

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non- sufficient sample.



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Finalized Date: 15- JUL- 2011
Account: F

CERTIFICATE WH11118004

Project: Selwyn

P.O. No.: LLL

This report is for 247 Soil samples submitted to our lab in Whitehorse, YT, Canada on 24-JUN- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS WH11118004

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC132501		0.52	0.004	<0.2	2.22	23	<10	270	0.5	<2	0.71	<0.5	13	41	30	3.64
CC132502		0.39	0.004	<0.2	2.17	8	<10	260	<0.5	<2	1.00	<0.5	13	35	31	3.44
CC132503		0.28	0.005	0.2	1.79	38	<10	260	0.5	<2	0.96	<0.5	15	33	51	3.82
CC132504		0.58	0.001	<0.2	2.39	14	<10	260	0.5	<2	0.72	<0.5	14	37	26	3.43
CC132505		0.26	0.002	<0.2	2.30	12	<10	230	<0.5	2	0.68	<0.5	14	37	20	3.81
CC132506		0.21	0.003	0.2	2.10	8	<10	350	<0.5	<2	0.94	<0.5	11	36	21	3.47
CC132507		0.25	0.001	0.2	2.33	18	<10	330	<0.5	<2	0.72	<0.5	9	38	22	3.03
CC132508		0.21	0.002	0.3	1.94	49	<10	170	<0.5	<2	0.47	0.8	14	28	29	3.34
CC132509		0.26	0.006	0.2	1.92	9	<10	100	<0.5	<2	0.30	0.6	11	29	20	3.29
CC132510		0.26	0.003	1.6	0.86	91	<10	450	<0.5	<2	0.48	0.5	5	22	23	2.55
CC132511		0.07	<0.001	1.0	1.20	17	<10	580	<0.5	<2	0.47	0.9	12	25	24	2.54
CC132512		0.21	0.005	0.9	2.21	27	<10	240	0.7	<2	0.30	<0.5	11	41	31	4.38
CC132513		0.36	0.002	0.4	1.39	17	<10	120	<0.5	<2	0.10	<0.5	6	35	25	2.91
CC132514		0.12	<0.001	1.0	0.79	30	<10	160	<0.5	<2	0.23	0.6	9	25	20	1.96
CC132515		0.36	0.002	0.2	1.75	20	<10	140	<0.5	<2	0.48	<0.5	11	36	17	3.25
CC132516		0.34	0.002	0.2	1.86	21	<10	160	0.6	<2	0.54	<0.5	13	53	26	3.34
CC132517		0.15	0.003	1.0	1.88	38	<10	580	0.7	2	0.20	1.5	45	50	27	4.50
CC132518		0.38	0.004	0.3	1.97	32	<10	190	0.6	<2	0.49	<0.5	9	48	26	2.89
CC132519		0.16	0.007	0.4	0.89	19	<10	140	<0.5	<2	0.58	<0.5	6	21	21	1.72
CC132520		0.12	0.015	0.3	0.86	12	<10	110	<0.5	<2	0.50	<0.5	5	21	20	1.92
CC132521		0.31	0.002	0.2	2.41	14	<10	150	0.6	<2	0.25	<0.5	12	41	23	3.72
CC132522		0.45	0.005	0.2	2.22	14	<10	90	0.5	<2	0.11	<0.5	9	41	26	3.92
CC132523		0.23	<0.001	0.2	1.28	25	<10	190	<0.5	<2	0.52	<0.5	7	28	24	3.17
CC132524		0.27	0.002	0.9	1.89	51	<10	280	0.6	<2	0.39	0.7	12	37	40	4.02
CC132525		0.26	0.002	2.4	1.09	125	<10	320	<0.5	<2	0.28	1.1	10	29	36	3.30
CC132526		0.27	0.008	2.7	1.89	104	<10	370	<0.5	<2	0.28	<0.5	6	40	26	2.70
CC132527		0.25	0.001	0.2	2.12	11	<10	290	<0.5	2	0.68	<0.5	16	33	23	3.35
CC132528		0.48	0.003	0.2	1.93	10	<10	200	<0.5	<2	0.54	<0.5	13	32	30	3.38
CC132529		0.17	0.001	0.2	1.05	9	<10	120	<0.5	<2	0.16	<0.5	4	18	14	2.17
CC132530		0.24	0.005	0.2	1.95	51	<10	90	<0.5	<2	0.23	0.5	12	27	30	3.76
CC132531		0.22	0.003	0.2	2.00	15	<10	200	<0.5	<2	1.03	<0.5	13	31	27	3.38
CC132532		0.29	0.005	<0.2	2.12	40	<10	150	<0.5	<2	0.80	<0.5	12	28	18	5.25
CC132751		0.19	0.033	0.3	2.61	27	<10	150	0.7	<2	0.49	<0.5	20	126	51	4.18
CC132752		0.29	0.153	0.4	2.43	90	<10	170	0.9	<2	0.28	<0.5	26	80	72	4.83
CC132753		0.23	0.035	0.3	2.14	44	<10	170	0.8	2	0.28	<0.5	15	71	46	3.93
CC132754		0.27	0.050	3.9	2.05	50	<10	240	0.7	<2	0.23	<0.5	17	43	42	3.85
CC132755		0.17	0.060	0.4	1.66	38	<10	150	0.5	<2	0.10	<0.5	9	37	38	4.38
CC132756		0.23	0.025	1.0	2.11	37	<10	200	0.5	<2	0.26	0.5	11	39	36	4.02
CC132757		0.15	0.082	1.0	2.06	119	<10	220	0.5	<2	0.25	0.5	9	40	30	3.83
CC132758		0.17	0.010	<0.2	2.47	13	<10	220	0.5	<2	0.49	<0.5	15	36	24	3.55



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Project: Selwyn

CERTIFICATE OF ANALYSIS WH11118004

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
CC132501		10	<1	0.15	20	1.05	361	<1	0.02	22	970	11	0.03	<2	8
CC132502		10	<1	0.13	20	1.02	501	<1	0.02	17	840	8	0.05	2	9
CC132503		10	<1	0.17	10	0.78	750	1	0.02	22	750	13	0.05	3	11
CC132504		10	<1	0.13	20	1.00	278	<1	0.02	20	880	10	0.03	2	8
CC132505		10	<1	0.14	10	0.97	286	<1	0.02	18	780	9	0.02	<2	7
CC132506		10	<1	0.12	10	1.02	338	1	0.02	14	1220	7	0.06	<2	7
CC132507		10	<1	0.11	10	0.80	216	1	0.02	13	1080	9	0.07	<2	8
CC132508		10	<1	0.09	10	0.63	577	1	0.02	16	480	12	0.03	<2	4
CC132509		10	<1	0.07	10	0.61	328	1	0.01	16	630	8	0.03	<2	4
CC132510		10	<1	0.14	10	0.21	273	3	0.01	15	870	13	0.07	4	1
CC132511		10	1	0.17	10	0.31	1335	3	0.02	16	920	9	0.08	<2	2
CC132512		10	<1	0.22	10	0.61	582	2	0.01	27	580	16	0.07	2	4
CC132513		10	<1	0.10	10	0.29	328	2	0.01	17	490	11	0.05	2	2
CC132514		<10	<1	0.06	10	0.15	1270	2	0.01	12	1800	9	0.13	2	1
CC132515		10	<1	0.09	10	0.69	455	1	0.02	18	580	10	0.04	<2	5
CC132516		10	<1	0.09	20	0.84	584	1	0.02	30	760	10	0.03	<2	6
CC132517		10	<1	0.08	10	0.50	19600	3	0.01	27	1270	36	0.08	3	6
CC132518		10	<1	0.07	10	0.71	379	2	0.02	24	910	11	0.07	<2	5
CC132519		<10	<1	0.05	10	0.20	296	1	0.02	11	910	5	0.11	<2	1
CC132520		<10	<1	0.05	20	0.19	134	1	0.01	11	900	6	0.11	<2	2
CC132521		10	<1	0.08	10	0.75	364	1	0.01	25	320	10	0.03	2	5
CC132522		10	<1	0.06	10	0.48	337	2	0.01	19	520	11	0.03	<2	3
CC132523		10	<1	0.15	10	0.40	288	2	0.01	20	540	11	0.05	<2	3
CC132524		10	1	0.23	10	0.56	681	2	0.01	31	690	12	0.07	2	4
CC132525		10	<1	0.18	10	0.31	574	4	0.01	28	630	15	0.09	5	3
CC132526		10	<1	0.12	10	0.46	197	4	0.01	23	940	15	0.05	3	2
CC132527		10	<1	0.06	10	0.87	1865	1	0.02	14	1200	7	0.08	<2	5
CC132528		10	<1	0.10	20	0.85	469	<1	0.03	17	980	6	0.01	<2	7
CC132529		10	<1	0.05	10	0.23	130	2	0.01	7	180	11	0.01	<2	3
CC132530		10	<1	0.10	10	0.63	261	1	0.02	14	480	9	0.03	<2	4
CC132531		10	<1	0.09	10	0.85	612	1	0.02	14	990	9	0.06	<2	6
CC132532		10	<1	0.13	10	1.06	712	1	0.02	10	1010	7	0.03	<2	6
CC132751		10	1	0.06	10	0.81	949	2	0.04	55	1130	7	0.07	<2	10
CC132752		10	<1	0.10	20	1.07	1105	4	0.01	90	640	8	0.03	3	8
CC132753		10	<1	0.11	20	0.97	915	2	0.02	35	510	12	0.02	2	7
CC132754		10	<1	0.09	20	0.56	1270	2	0.01	32	790	49	0.02	6	7
CC132755		10	<1	0.09	10	0.36	656	4	0.01	27	780	10	0.06	3	3
CC132756		10	<1	0.11	10	0.57	438	3	0.01	28	520	22	0.03	3	5
CC132757		10	<1	0.12	10	0.51	377	2	0.01	23	1000	11	0.06	2	4
CC132758		10	<1	0.09	10	0.87	589	1	0.02	16	830	8	0.02	<2	8



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Project: Selwyn

CERTIFICATE OF ANALYSIS WH11118004

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
CC132501		<20	0.13	<10	<10	92	<10	83
CC132502		<20	0.12	<10	<10	97	<10	63
CC132503		<20	0.10	<10	<10	83	<10	98
CC132504		<20	0.14	<10	<10	88	<10	65
CC132505		<20	0.15	<10	<10	97	<10	68
CC132506		<20	0.16	<10	<10	95	<10	96
CC132507		<20	0.12	<10	<10	106	<10	66
CC132508		<20	0.09	<10	<10	87	<10	62
CC132509		<20	0.11	<10	<10	86	<10	52
CC132510		<20	0.05	<10	<10	79	<10	60
CC132511		<20	0.06	<10	<10	68	<10	58
CC132512		<20	0.10	<10	<10	93	<10	88
CC132513		<20	0.08	<10	<10	94	<10	52
CC132514		<20	0.02	<10	<10	30	<10	47
CC132515		<20	0.09	<10	<10	68	<10	78
CC132516		<20	0.09	<10	<10	71	<10	92
CC132517		<20	0.04	<10	<10	71	<10	131
CC132518		<20	0.06	<10	<10	74	<10	85
CC132519		<20	0.04	<10	<10	37	<10	44
CC132520		<20	0.04	<10	<10	38	<10	37
CC132521		<20	0.09	<10	<10	81	<10	64
CC132522		<20	0.08	<10	<10	80	<10	66
CC132523		<20	0.08	<10	<10	81	<10	68
CC132524		<20	0.07	<10	<10	84	<10	93
CC132525		<20	0.07	<10	<10	71	<10	87
CC132526		<20	0.03	<10	<10	63	<10	81
CC132527		<20	0.08	<10	<10	78	<10	82
CC132528		<20	0.13	<10	<10	86	<10	64
CC132529		<20	0.15	<10	<10	112	<10	38
CC132530		<20	0.14	<10	<10	104	<10	55
CC132531		<20	0.10	<10	<10	83	<10	57
CC132532		<20	0.09	<10	<10	100	<10	65
CC132751		<20	0.05	<10	<10	98	<10	80
CC132752		<20	0.05	<10	<10	94	<10	114
CC132753		<20	0.09	<10	<10	88	<10	109
CC132754		<20	0.05	<10	<10	69	<10	121
CC132755		<20	0.08	<10	<10	107	<10	91
CC132756		<20	0.07	<10	<10	89	<10	91
CC132757		<20	0.07	<10	<10	84	<10	85
CC132758		<20	0.12	<10	<10	88	<10	63



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CERTIFICATE OF ANALYSIS WH11118004

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC132759		0.21	0.014	0.3	2.09	25	<10	170	<0.5	2	0.47	<0.5	14	29	36	3.20
CC132760		0.16	0.020	0.2	2.03	11	<10	210	<0.5	<2	0.41	<0.5	11	29	14	3.41
CC132761		0.35	0.027	0.2	1.78	9	<10	160	<0.5	<2	0.37	<0.5	11	23	15	3.58
CC132762		0.30	0.039	<0.2	1.95	11	<10	150	<0.5	<2	0.30	<0.5	12	26	14	3.12
CC132763		0.13	0.058	<0.2	2.03	6	<10	160	0.5	<2	0.34	<0.5	19	29	15	3.92
CC132764		0.12	0.648	0.3	2.48	42	<10	190	0.5	<2	0.65	<0.5	26	37	50	4.20
CC132765		0.13	0.016	0.6	2.30	59	<10	190	0.6	<2	0.77	<0.5	15	33	64	3.43
CC132766		0.21	0.013	0.9	2.23	27	<10	190	0.6	<2	0.79	<0.5	13	33	65	3.31
CC132767		0.15	0.012	0.5	2.34	18	<10	250	0.5	<2	0.88	<0.5	10	32	41	3.30
CC132768		0.14	0.013	0.6	1.85	16	<10	270	0.6	<2	1.91	0.9	10	23	61	2.59
CC132769		0.21	0.016	<0.2	2.52	15	<10	110	0.5	<2	0.19	0.5	7	32	14	3.58
CC132770		0.42	0.008	<0.2	2.39	13	<10	230	0.5	<2	0.53	<0.5	13	37	27	3.38
CC132771		0.26	0.013	<0.2	2.20	10	<10	190	<0.5	<2	0.45	<0.5	11	33	21	2.96
CC132772		0.16	0.030	0.4	2.04	77	<10	280	0.5	<2	0.18	<0.5	11	43	31	4.13
CC132773		0.21	0.025	1.0	2.17	73	<10	160	0.6	<2	0.16	0.8	13	45	31	4.37
CC132774		0.17	0.048	0.2	2.22	16	<10	140	0.5	2	0.36	0.5	15	59	32	3.23
CC132775		0.13	0.058	0.4	2.05	26	<10	210	0.7	<2	0.78	0.5	15	60	41	3.18
CC132776		0.07	0.024	1.7	1.65	22	<10	330	0.9	<2	1.82	2.2	12	59	64	2.39
CC132777		0.08	0.033	0.3	1.75	16	<10	210	0.6	<2	0.61	0.6	13	36	34	2.45
CC132778		0.17	0.023	<0.2	1.80	17	<10	130	<0.5	<2	0.45	<0.5	11	46	19	3.08
CC132779		0.19	0.025	0.2	2.19	21	<10	160	0.5	<2	0.43	<0.5	13	65	27	3.33
CC132780		0.17	0.064	0.5	2.04	60	<10	280	0.8	<2	0.34	0.8	19	61	46	3.97
CC132781		0.15	0.058	0.2	1.98	50	<10	110	0.5	<2	0.15	<0.5	13	37	36	3.61
CC132782		0.06	0.103	0.4	1.67	48	<10	160	<0.5	<2	0.14	<0.5	7	34	29	3.17
CC132783		0.16	0.008	0.2	2.42	41	<10	170	0.7	<2	0.27	<0.5	12	64	25	3.68
CC132784		0.32	0.013	<0.2	1.67	16	<10	120	0.5	<2	0.38	<0.5	11	36	25	2.95
CC132785		0.23	0.015	<0.2	2.09	19	<10	150	0.6	2	0.36	<0.5	14	51	24	3.38
CC132786		0.15	0.020	0.7	1.76	259	<10	180	0.9	<2	0.32	1.5	19	39	58	4.52
CC132787		0.14	0.015	0.4	1.93	35	<10	160	0.6	<2	0.26	<0.5	13	40	35	4.00
CC132788		0.18	0.021	0.4	2.22	32	<10	240	0.6	<2	0.32	<0.5	11	46	38	4.29
CC132789		0.15	0.025	1.5	1.85	198	<10	290	0.6	<2	0.32	<0.5	12	44	60	3.65
CC132790		0.08	0.008	1.1	2.06	61	<10	480	<0.5	<2	0.38	<0.5	34	36	25	3.22
CC132791		0.14	0.003	0.2	2.28	9	<10	230	<0.5	<2	0.78	<0.5	13	31	21	3.34
CC132792		0.23	0.013	0.2	2.38	15	<10	190	0.5	<2	0.31	<0.5	12	31	25	3.57
CC132793		0.45	0.010	<0.2	2.38	58	<10	230	0.5	<2	0.48	<0.5	16	35	35	3.70
CC132794		0.23	0.032	0.2	2.60	22	<10	220	0.5	<2	0.40	<0.5	18	36	27	3.72
CC132795		0.29	0.029	<0.2	2.41	20	<10	200	0.5	<2	0.55	<0.5	14	37	28	4.05
CC132796		0.21	0.018	<0.2	1.01	6	<10	160	<0.5	<2	0.17	<0.5	3	20	7	1.45
CC132797		0.14	0.035	0.3	1.64	21	<10	470	<0.5	<2	0.81	<0.5	9	32	14	3.19
CC132798		0.10	0.010	<0.2	1.56	12	<10	200	<0.5	<2	0.42	<0.5	5	25	9	1.81



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
CC132759		10	<1	0.07	10	0.70	475	1	0.02	16	690	12	0.02	<2	4	35
CC132760		10	<1	0.11	10	0.73	685	2	0.02	17	800	10	0.03	<2	5	26
CC132761		10	<1	0.08	20	0.67	350	1	0.01	12	850	8	0.01	<2	5	20
CC132762		10	<1	0.09	20	0.55	751	1	0.01	16	820	7	0.02	<2	4	18
CC132763		10	1	0.09	20	0.65	795	3	0.02	12	950	8	0.03	<2	6	21
CC132764		10	<1	0.08	10	1.09	575	2	0.02	15	870	11	0.03	<2	9	34
CC132765		10	<1	0.09	20	0.76	532	2	0.02	17	1020	11	0.08	3	7	52
CC132766		10	<1	0.09	20	0.76	485	2	0.02	17	1100	10	0.08	<2	7	51
CC132767		10	<1	0.11	20	0.73	250	1	0.02	15	1010	12	0.08	<2	8	47
CC132768		10	<1	0.09	40	0.54	532	1	0.02	15	1020	12	0.13	<2	5	94
CC132769		10	<1	0.04	10	0.27	126	2	0.01	11	580	11	0.04	<2	3	19
CC132770		10	<1	0.10	10	0.91	387	<1	0.02	19	830	9	0.01	<2	8	33
CC132771		10	<1	0.07	10	0.88	278	<1	0.01	16	800	7	0.02	2	7	26
CC132772		10	<1	0.13	10	0.60	419	2	0.01	28	420	11	0.03	<2	5	20
CC132773		10	<1	0.09	10	0.56	799	3	0.01	35	540	36	0.04	3	3	15
CC132774		10	<1	0.07	10	0.78	564	1	0.01	39	430	13	0.03	<2	4	25
CC132775		10	<1	0.07	20	0.77	932	2	0.02	35	1120	19	0.10	2	5	43
CC132776		<10	1	0.05	40	0.35	1915	2	0.02	44	1980	6	0.23	2	7	107
CC132777		10	<1	0.05	20	0.40	681	1	0.02	27	1190	8	0.12	<2	3	42
CC132778		10	<1	0.06	10	0.67	367	1	0.02	23	590	8	0.05	2	3	32
CC132779		10	<1	0.06	10	0.85	548	1	0.02	31	870	9	0.07	2	5	29
CC132780		10	<1	0.27	20	0.92	755	5	0.01	49	1020	15	0.05	4	6	26
CC132781		10	<1	0.09	10	0.48	525	3	0.01	26	640	11	0.06	3	3	17
CC132782		10	<1	0.08	10	0.36	340	2	0.01	18	570	10	0.07	3	2	17
CC132783		10	<1	0.09	10	0.88	335	2	0.02	32	710	11	0.03	<2	7	20
CC132784		10	<1	0.08	20	0.58	484	1	0.02	22	730	8	0.02	<2	5	24
CC132785		10	<1	0.10	10	0.81	584	1	0.02	31	470	10	0.03	<2	5	26
CC132786		10	<1	0.12	10	0.49	1390	3	0.01	63	650	35	0.07	5	5	27
CC132787		10	<1	0.12	10	0.60	457	2	0.01	35	550	11	0.04	<2	4	24
CC132788		10	<1	0.19	10	0.73	508	2	0.01	33	530	11	0.03	<2	5	28
CC132789		10	<1	0.17	10	0.54	516	4	0.02	40	1100	11	0.06	4	6	30
CC132790		10	<1	0.07	10	0.52	2160	2	0.02	19	920	11	0.05	2	5	34
CC132791		10	<1	0.09	20	0.78	387	1	0.02	14	660	9	0.05	<2	7	51
CC132792		10	<1	0.07	10	0.61	358	1	0.02	18	550	8	0.02	<2	5	25
CC132793		10	1	0.10	20	0.94	475	1	0.02	18	790	10	0.01	<2	8	30
CC132794		10	1	0.09	10	0.85	639	1	0.02	19	640	10	0.01	<2	5	27
CC132795		10	<1	0.17	10	1.02	442	1	0.02	17	650	7	0.02	2	8	32
CC132796		10	<1	0.05	10	0.20	220	<1	0.01	7	570	14	0.04	2	2	17
CC132797		10	<1	0.08	10	0.45	892	2	0.01	12	1680	18	0.10	2	3	52
CC132798		<10	<1	0.08	10	0.44	155	<1	0.01	11	630	16	0.04	<2	3	24



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
CC132759		<20	0.11	<10	<10	84	<10	60
CC132760		<20	0.11	<10	<10	79	<10	73
CC132761		<20	0.11	<10	<10	68	<10	63
CC132762		<20	0.11	<10	<10	69	<10	66
CC132763		<20	0.10	<10	<10	73	<10	58
CC132764		<20	0.13	<10	<10	111	<10	63
CC132765		<20	0.07	<10	<10	82	<10	63
CC132766		<20	0.06	<10	<10	81	<10	72
CC132767		<20	0.08	<10	<10	82	<10	59
CC132768		<20	0.05	<10	<10	58	<10	72
CC132769		<20	0.10	<10	<10	91	<10	34
CC132770		<20	0.13	<10	<10	84	<10	61
CC132771		<20	0.13	<10	<10	82	<10	60
CC132772		<20	0.11	<10	<10	102	<10	91
CC132773		<20	0.10	<10	<10	84	<10	120
CC132774		<20	0.09	<10	<10	72	<10	76
CC132775		<20	0.05	<10	<10	74	<10	117
CC132776		<20	0.02	<10	<10	45	<10	57
CC132777		<20	0.05	<10	<10	53	<10	64
CC132778		<20	0.08	<10	<10	76	<10	63
CC132779		<20	0.06	<10	<10	75	<10	68
CC132780		<20	0.11	<10	<10	111	<10	177
CC132781		<20	0.07	<10	<10	78	<10	81
CC132782		<20	0.07	<10	<10	81	<10	59
CC132783		<20	0.07	<10	<10	87	<10	103
CC132784		<20	0.09	<10	<10	61	<10	73
CC132785		<20	0.10	<10	<10	68	<10	67
CC132786		<20	0.04	<10	<10	68	<10	217
CC132787		<20	0.09	<10	<10	83	<10	91
CC132788		<20	0.12	<10	<10	104	<10	109
CC132789		<20	0.07	<10	<10	77	<10	116
CC132790		<20	0.04	<10	<10	63	<10	88
CC132791		<20	0.09	<10	<10	82	<10	74
CC132792		<20	0.13	<10	<10	89	<10	59
CC132793		<20	0.15	<10	<10	95	<10	67
CC132794		<20	0.16	<10	<10	95	<10	66
CC132795		<20	0.14	<10	<10	97	<10	63
CC132796		<20	0.06	<10	<10	42	<10	36
CC132797		<20	0.05	<10	<10	67	<10	67
CC132798		<20	0.07	<10	<10	44	<10	46



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC132799		0.23	0.002	0.2	1.48	8	<10	190	<0.5	<2	0.41	<0.5	7	24	10	2.23
CC132800		0.16	0.008	0.4	2.14	13	<10	320	0.6	<2	0.59	<0.5	12	33	13	3.26
CC132801		0.16	0.001	0.3	1.88	46	<10	160	0.5	<2	0.42	<0.5	24	59	19	6.46
CC132802		0.08	0.010	0.6	1.68	34	<10	220	0.8	<2	0.42	0.7	12	66	51	3.46
CC132803		0.20	0.004	1.9	2.15	41	<10	190	0.7	<2	0.39	<0.5	6	53	27	2.76
CC132804		0.41	0.004	0.6	2.10	40	<10	170	1.0	<2	0.20	0.5	18	45	41	5.66
CC132805		0.22	0.004	0.8	2.27	38	<10	130	0.8	<2	0.23	<0.5	11	56	21	4.34
CC132806		0.35	0.005	1.4	2.64	26	<10	120	0.6	<2	0.18	0.5	15	45	41	4.02
CC132807		0.34	0.004	0.4	2.43	23	<10	180	0.6	<2	0.20	0.5	14	50	33	4.01
CC132808		0.31	0.008	1.0	2.85	59	<10	720	1.0	<2	0.40	0.6	11	59	73	4.81
CC132809		0.17	0.004	1.1	0.91	55	<10	360	<0.5	<2	0.37	1.3	6	25	25	2.28
CC132810		0.21	0.008	0.8	1.47	120	<10	380	<0.5	<2	0.24	<0.5	11	42	26	2.94
CC132811		0.27	0.006	0.2	1.81	36	<10	450	0.6	<2	0.84	0.9	45	36	27	5.05
CC132812		0.28	0.003	<0.2	2.11	12	<10	150	0.5	<2	0.49	<0.5	12	37	31	3.34
CC132813		0.43	0.004	0.3	2.12	16	<10	210	<0.5	<2	0.60	0.5	12	34	28	3.48
CC132814		0.20	0.002	<0.2	1.95	22	<10	170	<0.5	<2	0.99	1.0	12	26	30	3.73
CC132815		0.37	0.004	<0.2	2.00	15	<10	160	<0.5	<2	0.66	<0.5	12	34	19	3.51
CC132816		0.28	0.006	0.2	2.06	14	<10	250	<0.5	<2	1.06	<0.5	11	31	32	3.27
CC132817		0.12	0.004	0.2	1.71	11	<10	370	<0.5	<2	0.59	<0.5	35	29	13	3.54
CC132818		0.13	0.004	<0.2	2.19	18	<10	180	0.5	<2	0.49	<0.5	8	31	17	4.35
CC132819		0.19	0.001	<0.2	1.96	11	<10	200	<0.5	<2	0.54	<0.5	10	35	14	3.65
CC132820		0.13	0.004	<0.2	1.69	8	<10	320	<0.5	<2	0.84	<0.5	16	31	19	3.19
CC132821		0.19	0.002	<0.2	1.95	10	<10	170	0.5	<2	0.46	<0.5	10	28	12	3.16
CC132822		0.25	0.003	0.2	1.94	10	<10	160	0.5	<2	0.34	<0.5	11	27	13	3.28
CC132823		0.38	0.007	0.2	1.76	11	<10	280	0.5	<2	0.89	<0.5	12	28	23	3.15
CC132824		0.12	0.002	0.2	1.79	9	<10	270	0.5	<2	0.58	0.5	8	30	23	3.29
CC132825		0.47	0.003	<0.2	2.16	10	<10	330	0.6	<2	0.51	<0.5	11	33	22	3.84
CC132826		0.16	0.008	0.2	2.16	14	<10	240	<0.5	<2	0.83	<0.5	8	36	24	3.02
CC132827		0.27	0.008	0.2	2.30	26	<10	220	<0.5	<2	0.78	<0.5	9	41	37	3.48
CC132828		0.22	0.010	0.2	2.11	40	<10	200	<0.5	<2	0.85	<0.5	12	36	34	3.22
CC132829		0.17	0.016	0.5	2.10	53	<10	210	0.5	<2	1.46	<0.5	10	40	64	3.00
CC132830		0.13	0.033	2.8	2.14	164	<10	240	0.7	<2	1.78	0.7	16	29	108	3.40
CC132831		0.31	0.012	0.9	2.03	82	<10	130	0.6	2	0.91	<0.5	15	36	67	3.66
CC132832		0.26	0.005	0.7	1.54	59	<10	90	<0.5	<2	0.79	<0.5	12	25	90	3.39
CC132833		0.28	0.007	0.6	2.18	15	<10	230	0.6	<2	0.97	<0.5	10	31	54	2.65
CC132834		0.13	0.007	0.2	2.43	18	<10	230	0.5	<2	0.61	<0.5	16	36	37	3.70
CC132835		0.30	0.007	0.4	2.53	24	<10	260	0.5	<2	0.87	<0.5	11	35	61	3.34
CC132836		0.29	0.017	<0.2	2.44	22	<10	180	0.5	<2	0.40	<0.5	12	34	31	3.31
CC132837		Not Recvd														
CC132838		0.37	0.005	<0.2	2.71	30	<10	210	0.6	<2	0.40	<0.5	13	33	21	3.63



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
CC132799		<10	<1	0.11	10	0.56	246	<1	0.01	11	640	15	<0.01	<2	4	21
CC132800		10	<1	0.12	10	0.60	445	2	0.01	15	1010	22	0.05	<2	5	32
CC132801		10	1	0.06	10	0.69	1385	2	0.01	27	1010	12	0.03	2	4	20
CC132802		<10	<1	0.08	20	0.68	1280	2	0.01	39	1190	18	0.07	5	5	26
CC132803		10	<1	0.08	10	0.57	346	2	0.01	25	1830	33	0.09	3	5	22
CC132804		<10	<1	0.10	20	0.57	1715	1	<0.01	30	820	29	0.02	3	6	11
CC132805		10	<1	0.11	20	0.67	442	1	<0.01	38	900	44	0.01	4	5	11
CC132806		10	<1	0.10	10	0.74	581	1	0.01	46	450	29	0.02	3	4	16
CC132807		10	<1	0.17	10	0.73	515	1	0.01	34	540	20	0.03	3	4	17
CC132808		10	<1	0.21	10	0.77	604	4	0.01	47	1170	16	0.06	3	6	33
CC132809		10	<1	0.13	10	0.23	296	3	0.01	16	870	11	0.07	3	1	31
CC132810		10	<1	0.10	10	0.49	451	2	0.01	29	820	11	0.03	5	4	21
CC132811		<10	<1	0.05	20	0.71	8820	2	0.02	18	1710	8	0.11	2	5	52
CC132812		10	1	0.08	20	0.74	465	<1	0.02	21	1070	10	<0.01	2	6	26
CC132813		10	<1	0.08	10	0.69	648	<1	0.01	22	450	10	0.01	<2	4	37
CC132814		10	<1	0.14	10	0.69	391	<1	0.01	13	620	10	0.05	2	7	49
CC132815		10	1	0.12	10	0.92	473	<1	0.02	16	560	8	0.01	2	6	29
CC132816		10	<1	0.11	10	0.74	789	<1	0.01	16	870	9	0.07	<2	6	45
CC132817		<10	<1	0.08	10	0.57	5520	2	0.02	14	1030	12	0.08	3	4	40
CC132818		10	<1	0.11	20	0.70	272	<1	0.01	14	750	10	0.02	2	5	27
CC132819		10	1	0.11	10	0.70	568	<1	0.01	17	950	9	0.03	<2	5	29
CC132820		<10	<1	0.08	10	0.53	1795	2	0.01	14	1440	6	0.11	<2	4	54
CC132821		10	<1	0.09	10	0.74	326	<1	0.01	14	790	10	0.01	2	5	24
CC132822		10	1	0.08	20	0.59	604	<1	0.01	18	820	10	0.01	<2	4	21
CC132823		<10	<1	0.14	20	0.68	844	1	0.02	19	960	10	0.03	<2	6	54
CC132824		10	<1	0.09	20	0.50	333	1	0.01	18	780	10	0.06	<2	5	35
CC132825		10	<1	0.12	30	0.67	562	1	0.01	21	860	9	<0.01	<2	9	28
CC132826		10	<1	0.09	10	0.97	221	<1	0.02	14	1050	9	0.04	2	7	38
CC132827		10	<1	0.10	10	0.99	228	<1	0.02	17	890	11	0.04	3	8	37
CC132828		10	<1	0.10	10	1.05	395	1	0.02	15	900	11	0.04	3	8	35
CC132829		10	<1	0.07	20	1.00	329	1	0.02	16	1220	10	0.12	3	9	57
CC132830		10	<1	0.09	40	0.74	603	2	0.02	15	1150	52	0.12	3	10	69
CC132831		10	1	0.09	10	0.92	474	1	0.02	17	820	20	0.06	5	9	45
CC132832		10	<1	0.09	10	0.67	211	4	0.04	16	570	10	0.11	2	4	56
CC132833		10	<1	0.09	20	0.62	602	1	0.03	20	1400	10	0.14	<2	6	60
CC132834		10	<1	0.13	10	0.85	837	1	0.03	21	750	15	0.05	<2	7	33
CC132835		10	<1	0.11	20	0.67	380	1	0.03	23	950	11	0.08	<2	6	44
CC132836		10	<1	0.11	10	0.71	413	<1	0.03	23	690	8	0.05	<2	5	28
CC132837																
CC132838		10	<1	0.10	10	0.85	580	1	0.02	20	660	14	0.03	<2	7	29



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
CC132799		<20	0.13	<10	<10	59	<10	59
CC132800		<20	0.09	<10	<10	69	<10	88
CC132801		<20	0.03	<10	<10	74	<10	79
CC132802		<20	0.04	<10	<10	67	<10	104
CC132803		<20	0.02	<10	<10	70	<10	84
CC132804		<20	0.03	<10	<10	61	<10	113
CC132805		<20	0.02	<10	<10	71	<10	163
CC132806		<20	0.10	<10	<10	77	<10	112
CC132807		<20	0.10	<10	<10	92	<10	94
CC132808		<20	0.04	<10	<10	105	<10	141
CC132809		<20	0.05	<10	<10	64	<10	46
CC132810		<20	0.07	<10	<10	65	<10	84
CC132811		<20	0.06	<10	<10	87	<10	79
CC132812		<20	0.11	<10	<10	79	<10	71
CC132813		<20	0.10	<10	<10	87	<10	59
CC132814		<20	0.05	<10	<10	83	<10	71
CC132815		<20	0.15	<10	<10	87	<10	64
CC132816		<20	0.11	<10	<10	81	<10	66
CC132817		<20	0.08	<10	<10	73	<10	69
CC132818		<20	0.12	<10	<10	91	<10	70
CC132819		<20	0.12	<10	<10	80	<10	67
CC132820		<20	0.07	<10	<10	67	<10	72
CC132821		<20	0.13	<10	<10	78	<10	70
CC132822		<20	0.09	<10	<10	67	<10	63
CC132823		<20	0.11	<10	10	72	<10	74
CC132824		<20	0.06	<10	<10	70	<10	60
CC132825		<20	0.10	<10	<10	75	<10	74
CC132826		<20	0.12	<10	<10	90	<10	60
CC132827		<20	0.13	<10	<10	91	<10	65
CC132828		<20	0.14	<10	<10	97	<10	62
CC132829		<20	0.07	<10	<10	88	<10	54
CC132830		<20	0.08	<10	<10	83	<10	80
CC132831		<20	0.07	<10	<10	88	<10	75
CC132832		<20	0.08	<10	<10	72	<10	59
CC132833		<20	0.04	<10	<10	68	<10	68
CC132834		<20	0.13	<10	<10	96	<10	70
CC132835		<20	0.09	<10	<10	92	<10	58
CC132836		<20	0.13	<10	<10	85	<10	58
CC132837								
CC132838		<20	0.08	<10	<10	85	<10	68



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC132839		Not Recvd														
CC132840		0.22	0.007	0.2	2.51	30	<10	150	0.5	<2	0.15	<0.5	13	40	35	3.38
CC132841		0.30	0.007	0.8	1.78	62	<10	280	0.8	<2	0.36	1.4	17	38	45	4.14
CC132842		0.30	0.008	0.4	1.79	48	<10	360	0.8	<2	0.49	0.6	15	42	36	3.76
CC132843		0.23	0.008	0.4	2.03	26	<10	580	0.6	<2	0.70	0.6	11	40	35	2.90
CC132844		0.14	0.006	0.4	1.97	28	<10	250	0.7	<2	0.70	0.6	34	57	31	3.78
CC132845		0.17	0.005	0.2	2.51	24	<10	210	<0.5	<2	0.58	<0.5	14	141	21	3.49
CC132846		0.15	0.005	0.3	1.82	17	<10	300	0.5	<2	0.68	0.9	42	52	35	3.12
CC132847		0.29	0.008	0.4	1.94	16	<10	220	0.7	<2	0.73	<0.5	10	47	35	2.69
CC132848		0.16	0.004	0.2	2.29	15	<10	230	0.7	<2	0.42	<0.5	13	59	29	2.65
CC132849		0.17	0.010	0.3	1.76	44	<10	230	0.7	<2	1.33	0.5	14	48	42	2.86
CC132850		0.35	0.011	0.2	2.01	15	<10	160	0.5	<2	0.32	0.5	12	45	28	3.10
CC132851		0.22	0.004	<0.2	1.88	21	<10	200	<0.5	<2	0.56	<0.5	13	36	20	3.47
CC132852		0.27	0.003	<0.2	2.18	16	<10	270	<0.5	<2	0.81	<0.5	12	32	25	3.60
CC132853		0.10	0.007	<0.2	2.35	62	<10	310	<0.5	<2	0.91	<0.5	14	38	24	3.66
CC132854		0.13	0.009	0.4	2.31	18	<10	240	0.5	<2	1.34	<0.5	13	34	76	3.11
CC132855		0.11	0.007	0.2	1.65	15	<10	210	0.5	<2	2.31	<0.5	12	24	43	2.54
CC132856		0.13	0.022	0.3	1.16	9	<10	270	0.5	<2	2.53	0.6	8	19	52	1.76
CC132857		0.19	0.004	<0.2	1.85	5	<10	370	<0.5	<2	0.57	<0.5	14	29	14	3.04
CC132858		0.40	0.005	<0.2	2.40	13	<10	220	0.5	<2	0.62	<0.5	11	38	27	3.36
CC132859		0.18	0.008	0.2	2.34	20	<10	180	0.5	<2	0.51	<0.5	17	34	39	3.54
CC132860		0.29	0.048	<0.2	1.70	9	<10	130	<0.5	<2	0.55	<0.5	10	31	23	2.81
CC132861		0.30	0.008	<0.2	1.91	11	<10	120	0.6	<2	0.71	<0.5	15	25	40	3.06
CC132862		0.26	0.014	1.4	1.80	81	<10	80	0.8	<2	0.75	<0.5	11	32	62	3.49
CC132863		0.09	0.063	0.3	0.94	15	<10	130	<0.5	<2	2.88	<0.5	7	11	123	1.10
CC132864		0.22	0.041	0.6	2.04	238	<10	160	0.5	<2	0.92	<0.5	21	32	74	3.08
CC132865		0.23	0.005	<0.2	1.97	11	<10	270	0.5	<2	0.48	<0.5	10	33	24	3.20
CC132866		0.12	0.015	0.7	1.16	22	<10	200	<0.5	<2	1.99	<0.5	7	18	58	1.56
CC132867		0.07	NSS	0.4	0.81	11	<10	300	<0.5	<2	2.73	0.6	14	12	84	1.16
CC132868		0.08	NSS	0.3	0.80	5	<10	310	0.5	<2	2.46	1.2	5	11	77	0.85
CC132869		0.09	0.021	0.2	1.51	20	<10	280	0.5	<2	1.41	<0.5	8	28	54	2.70
CC132870		0.06	NSS	0.3	0.64	5	<10	530	<0.5	<2	1.49	<0.5	19	15	24	2.54
CC132871		0.12	0.017	0.4	2.42	63	<10	180	0.5	<2	0.84	<0.5	14	38	68	5.22
CC132872		0.14	0.004	0.2	1.42	9	<10	250	<0.5	<2	0.56	<0.5	9	24	10	2.86
CC132873		0.38	0.006	0.2	2.15	6	<10	260	0.5	<2	0.46	<0.5	11	32	20	3.34
CC132874		0.27	0.006	<0.2	1.60	11	<10	190	<0.5	<2	0.57	<0.5	13	27	9	3.27
CC132875		0.20	0.029	<0.2	1.60	12	<10	220	<0.5	<2	0.70	<0.5	11	23	15	3.58
CC132876		0.07	0.018	0.6	2.13	21	<10	270	0.5	<2	1.24	<0.5	12	30	38	3.49
CC132877		0.14	0.014	0.5	1.22	56	<10	470	<0.5	<2	0.33	0.9	6	34	25	2.50
CC132878		0.25	0.007	0.2	2.45	18	<10	210	0.6	<2	0.23	0.5	12	41	34	3.53



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CC132839																
CC132840		10	<1	0.10	10	0.58	670	1	0.02	35	650	10	0.07	<2	4	17
CC132841		10	<1	0.12	10	0.52	1290	4	0.02	49	1250	34	0.06	3	4	26
CC132842		10	<1	0.14	20	0.56	1435	2	0.02	30	1420	29	0.13	2	4	33
CC132843		10	<1	0.11	10	0.57	799	1	0.03	31	1190	13	0.12	<2	4	37
CC132844		10	<1	0.08	20	0.60	1810	2	0.03	29	2110	11	0.15	<2	5	40
CC132845		10	<1	0.08	10	1.14	574	2	0.04	57	1180	9	0.06	<2	6	32
CC132846		10	1	0.08	20	0.63	5110	4	0.03	27	1530	8	0.15	<2	4	43
CC132847		10	<1	0.10	20	0.66	819	1	0.03	30	1290	17	0.13	<2	5	41
CC132848		10	<1	0.08	20	0.67	522	1	0.03	30	870	13	0.08	<2	6	30
CC132849		<10	1	0.09	20	0.53	939	2	0.03	33	1040	17	0.13	<2	5	64
CC132850		10	<1	0.10	10	0.63	670	1	0.03	32	660	14	0.03	<2	4	23
CC132851		10	<1	0.19	10	0.85	571	1	0.03	21	760	10	0.05	<2	5	36
CC132852		10	<1	0.17	10	0.93	574	<1	0.04	20	730	8	0.04	<2	8	50
CC132853		10	<1	0.18	10	0.89	490	1	0.04	20	970	10	0.08	<2	8	52
CC132854		10	<1	0.11	20	0.70	631	1	0.04	23	980	11	0.10	<2	7	67
CC132855		<10	<1	0.13	20	0.59	1180	<1	0.04	17	1110	7	0.16	<2	5	108
CC132856		<10	<1	0.07	20	0.39	1155	1	0.04	14	1550	5	0.21	<2	3	122
CC132857		10	<1	0.10	10	0.61	2100	3	0.03	15	1130	9	0.10	<2	4	43
CC132858		10	<1	0.10	10	0.79	291	<1	0.03	20	800	9	0.03	<2	8	35
CC132859		10	<1	0.10	10	0.80	530	1	0.03	23	750	12	0.05	<2	5	31
CC132860		10	<1	0.11	10	0.70	263	1	0.04	18	910	8	0.03	<2	5	31
CC132861		10	<1	0.09	10	0.79	463	<1	0.03	15	1000	11	0.05	<2	9	36
CC132862		10	<1	0.08	10	0.77	521	1	0.03	13	720	40	0.06	6	9	38
CC132863		<10	<1	0.05	20	0.22	884	1	0.04	9	1080	5	0.23	<2	3	111
CC132864		10	<1	0.09	10	0.84	533	1	0.04	21	630	13	0.07	<2	9	47
CC132865		10	<1	0.12	20	0.68	254	1	0.03	20	820	9	0.04	<2	7	31
CC132866		<10	<1	0.08	20	0.36	171	1	0.04	11	1090	5	0.19	<2	4	84
CC132867		<10	<1	0.05	30	0.20	1300	2	0.04	13	1560	3	0.28	<2	2	120
CC132868		<10	<1	0.05	20	0.18	2610	2	0.04	15	1400	2	0.24	<2	2	110
CC132869		<10	<1	0.11	20	0.64	718	2	0.04	13	1550	5	0.18	<2	5	69
CC132870		<10	<1	0.04	30	0.15	3670	9	0.02	11	2120	2	0.22	<2	2	95
CC132871		10	<1	0.08	10	1.20	211	2	0.02	15	920	15	0.05	4	10	34
CC132872		<10	<1	0.07	20	0.55	427	1	0.01	12	890	6	0.03	<2	4	29
CC132873		10	<1	0.12	30	0.77	484	3	0.01	19	860	7	<0.01	2	8	25
CC132874		10	<1	0.09	10	0.66	936	1	0.01	12	840	8	0.02	<2	4	28
CC132875		<10	<1	0.14	10	0.76	542	1	0.01	11	1060	5	0.02	2	5	28
CC132876		10	<1	0.16	20	0.73	599	<1	0.02	16	1020	15	0.08	2	8	56
CC132877		10	<1	0.16	10	0.35	314	2	0.01	19	590	10	0.05	3	3	28
CC132878		10	<1	0.09	10	0.80	511	<1	0.01	36	390	7	0.01	2	6	17



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
CC132839								
CC132840		<20	0.08	<10	<10	73	<10	72
CC132841		<20	0.05	<10	<10	77	<10	259
CC132842		<20	0.05	<10	<10	68	<10	200
CC132843		<20	0.06	<10	<10	64	<10	113
CC132844		<20	0.04	<10	<10	67	<10	81
CC132845		<20	0.06	<10	<10	100	<10	77
CC132846		<20	0.05	<10	<10	74	<10	64
CC132847		<20	0.05	<10	<10	62	<10	94
CC132848		<20	0.06	<10	<10	73	<10	73
CC132849		<20	0.05	<10	<10	62	<10	84
CC132850		<20	0.11	<10	<10	69	<10	80
CC132851		<20	0.14	<10	<10	92	<10	66
CC132852		<20	0.13	<10	<10	90	<10	74
CC132853		<20	0.13	<10	<10	108	<10	78
CC132854		<20	0.09	<10	<10	80	<10	57
CC132855		<20	0.05	<10	<10	60	<10	56
CC132856		<20	0.03	<10	<10	40	<10	40
CC132857		<20	0.10	<10	<10	74	<10	72
CC132858		<20	0.12	<10	<10	83	<10	61
CC132859		<20	0.13	<10	<10	94	<10	56
CC132860		<20	0.15	<10	<10	76	<10	55
CC132861		<20	0.04	<10	<10	82	<10	49
CC132862		<20	0.02	<10	<10	81	<10	88
CC132863		<20	0.02	<10	<10	23	<10	18
CC132864		<20	0.08	<10	<10	85	<10	54
CC132865		<20	0.14	<10	<10	84	<10	71
CC132866		<20	0.04	<10	<10	37	<10	25
CC132867		<20	0.01	<10	<10	20	<10	23
CC132868		<20	0.01	<10	<10	13	<10	40
CC132869		<20	0.06	<10	<10	71	<10	46
CC132870		<20	0.02	<10	<10	33	<10	24
CC132871		<20	0.13	<10	<10	122	<10	56
CC132872		<20	0.09	<10	<10	68	<10	65
CC132873		<20	0.11	<10	<10	75	<10	73
CC132874		<20	0.12	<10	<10	72	<10	78
CC132875		<20	0.13	<10	<10	84	<10	86
CC132876		<20	0.09	<10	<10	82	<10	67
CC132877		<20	0.08	<10	<10	77	<10	72
CC132878		<20	0.12	<10	<10	79	<10	80



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC132879		0.21	0.005	0.4	1.99	36	<10	220	1.8	<2	0.19	1.0	18	64	47	5.21
CC132897		0.14	0.008	0.2	2.39	10	<10	490	<0.5	<2	0.68	<0.5	11	35	15	3.60
CC132898		0.24	0.006	<0.2	2.50	13	<10	360	<0.5	<2	0.92	<0.5	10	38	20	3.27
CC132899		0.35	0.004	<0.2	2.45	50	<10	320	<0.5	<2	0.64	<0.5	13	39	21	4.13
CC132900		0.30	0.011	<0.2	2.24	20	<10	350	0.5	<2	1.02	<0.5	13	33	44	3.94
CC132901		0.15	0.008	0.6	0.97	23	<10	120	<0.5	<2	0.16	0.7	9	30	25	2.50
CC132902		0.30	0.003	0.2	1.89	27	<10	150	0.5	<2	0.13	<0.5	7	42	31	4.07
CC132903		0.17	0.010	0.6	2.64	112	<10	180	0.6	<2	0.18	<0.5	10	40	29	3.96
CC132904		0.28	0.014	2.4	3.63	87	<10	670	1.2	<2	0.30	0.5	15	57	79	4.67
CC132905		0.46	0.006	<0.2	2.37	13	<10	230	0.5	<2	0.58	<0.5	12	40	36	3.40
CC132906		0.36	0.005	0.2	2.26	16	<10	230	0.5	<2	0.59	<0.5	12	37	32	3.30
CC132907		0.21	0.009	0.5	2.40	15	<10	240	0.5	<2	0.83	<0.5	11	37	30	3.25
CC132908		0.22	0.010	0.4	2.76	16	<10	330	0.6	<2	1.02	<0.5	11	37	41	3.53
CC132909		0.23	0.007	0.2	2.81	24	<10	300	0.5	<2	0.69	<0.5	19	42	31	4.92
CC132910		0.27	0.008	0.5	1.81	22	<10	130	<0.5	<2	0.67	<0.5	10	30	45	2.75
CC132911		0.28	0.009	0.5	2.03	40	<10	150	0.5	<2	0.71	<0.5	14	34	57	3.53
CC132912		0.22	0.020	1.2	2.10	102	<10	170	0.6	<2	1.05	<0.5	13	36	56	3.48
CC132913		Not Recvd														
CC132914		0.15	0.004	<0.2	2.14	9	<10	350	<0.5	<2	0.58	<0.5	28	31	12	4.34
CC132915		0.15	0.008	0.6	2.54	11	<10	410	0.7	<2	0.71	<0.5	5	40	19	3.13
CC132916		0.21	0.016	0.4	1.97	10	<10	580	0.9	<2	1.13	0.5	18	28	21	3.14
CC132917		0.25	0.005	<0.2	1.63	11	<10	260	<0.5	<2	0.46	<0.5	14	26	10	2.97
CC132918		0.15	0.014	0.3	1.37	16	<10	420	0.5	<2	1.74	0.5	12	23	46	2.31
CC132919		0.16	0.009	0.2	2.22	18	<10	260	<0.5	<2	0.85	<0.5	7	38	30	3.00
CC132920		0.18	0.006	0.5	2.05	47	<10	1020	0.5	<2	1.34	1.1	62	34	39	5.05
CC132921		0.11	0.015	0.2	1.71	10	<10	220	<0.5	<2	0.78	<0.5	6	31	25	2.25
CC132922		0.11	0.009	0.2	1.87	15	<10	350	<0.5	<2	0.74	<0.5	24	33	23	3.67
CC132923		0.32	0.004	0.2	1.90	8	<10	400	0.5	<2	0.96	<0.5	11	33	15	3.50
CC132924		0.29	0.005	<0.2	1.56	8	<10	240	<0.5	<2	0.54	<0.5	11	29	12	3.13
CC132925		0.15	0.004	0.2	2.61	12	<10	300	0.5	<2	0.50	<0.5	8	41	17	4.06
CC132926		0.17	0.006	0.2	2.49	11	<10	340	0.5	<2	0.64	<0.5	22	38	18	5.74
CC132927		0.21	0.005	0.2	2.22	9	<10	290	0.5	<2	0.52	<0.5	14	30	10	3.59
CC132928		0.33	0.003	<0.2	2.29	11	<10	200	<0.5	<2	0.36	<0.5	13	28	13	3.79
CC132929		0.43	0.009	<0.2	2.29	14	<10	240	<0.5	<2	0.50	<0.5	10	29	11	3.99
CC132930		0.21	0.004	<0.2	2.04	7	<10	240	<0.5	<2	0.41	<0.5	8	31	11	2.59
CC132931		0.18	0.004	<0.2	2.30	20	<10	240	0.5	<2	0.54	<0.5	11	35	19	3.45
CC132932		0.12	0.011	0.4	1.62	37	<10	460	0.6	2	0.89	<0.5	53	34	44	5.96
CC132933		0.24	0.002	0.2	2.11	35	<10	240	0.5	<2	0.72	<0.5	13	39	39	3.85
CC132934		0.21	0.004	0.5	2.33	36	<10	280	0.5	<2	0.78	<0.5	14	35	27	4.07
CC132935		0.20	0.003	0.2	2.50	22	<10	230	0.6	<2	0.46	<0.5	13	44	34	3.72



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
CC132879		10	1	0.17	40	0.62	1005	1	0.01	53	580	24	<0.01	8	13	11
CC132897		10	<1	0.06	20	0.72	656	1	0.01	17	840	10	0.05	<2	5	54
CC132898		10	<1	0.16	10	1.01	262	<1	0.01	14	980	9	0.04	3	8	44
CC132899		10	<1	0.17	10	1.05	470	<1	0.01	17	530	10	0.03	<2	8	38
CC132900		10	<1	0.17	20	1.02	660	<1	0.01	18	980	7	0.03	2	13	49
CC132901		10	1	0.06	10	0.25	257	2	0.01	20	970	20	0.08	2	1	15
CC132902		10	<1	0.08	10	0.44	386	2	0.01	26	630	9	0.05	<2	3	13
CC132903		10	<1	0.11	10	0.55	406	1	0.01	27	850	15	0.06	5	4	15
CC132904		10	<1	0.18	40	0.72	729	2	0.01	46	950	15	0.04	3	13	25
CC132905		10	<1	0.08	20	0.90	377	<1	0.02	22	830	9	0.01	<2	9	33
CC132906		10	<1	0.11	20	0.93	326	<1	0.01	20	730	11	0.01	4	9	29
CC132907		10	1	0.09	10	0.72	463	<1	0.01	18	1100	10	0.07	<2	7	45
CC132908		10	<1	0.13	20	0.78	510	<1	0.01	20	1050	9	0.07	2	10	49
CC132909		10	<1	0.12	10	0.86	897	2	0.01	22	450	15	0.02	<2	8	41
CC132910		10	<1	0.07	10	0.74	269	<1	0.02	15	880	9	0.04	2	6	34
CC132911		10	<1	0.07	10	0.90	421	<1	0.02	17	710	10	0.03	4	7	42
CC132912		10	<1	0.09	20	0.82	437	1	0.01	16	1030	19	0.07	4	7	55
CC132913																
CC132914		10	<1	0.10	10	0.78	3750	3	0.01	16	950	9	0.03	<2	6	31
CC132915		10	<1	0.11	20	0.53	256	2	0.01	15	1190	18	0.08	2	8	44
CC132916		<10	<1	0.11	40	0.33	1765	3	0.01	14	1490	13	0.13	2	6	80
CC132917		10	<1	0.07	10	0.57	802	2	0.01	12	960	7	0.03	<2	4	26
CC132918		<10	<1	0.09	20	0.49	1505	1	0.02	17	1100	6	0.17	<2	4	92
CC132919		10	<1	0.09	10	0.95	201	<1	0.02	14	1230	10	0.07	2	7	37
CC132920		<10	<1	0.10	20	0.72	15850	4	0.02	23	1610	10	0.11	2	8	72
CC132921		<10	<1	0.07	10	0.61	426	<1	0.01	12	1050	5	0.11	2	4	42
CC132922		<10	1	0.07	10	0.64	1910	1	0.01	15	1250	6	0.06	2	5	39
CC132923		10	<1	0.08	20	0.75	489	2	0.01	18	1010	7	0.06	3	6	67
CC132924		10	<1	0.07	10	0.65	757	2	0.01	16	1100	7	0.03	<2	4	29
CC132925		10	<1	0.08	10	0.52	280	1	0.01	16	1310	9	0.06	<2	6	30
CC132926		10	<1	0.07	20	0.58	1035	3	0.01	15	1380	8	0.08	2	6	39
CC132927		10	<1	0.13	10	0.68	957	<1	0.01	14	880	10	0.02	<2	5	31
CC132928		10	<1	0.13	10	0.75	654	<1	0.01	17	820	7	0.01	<2	4	19
CC132929		10	<1	0.15	10	0.75	544	<1	0.01	13	940	9	0.02	<2	5	27
CC132930		10	<1	0.06	10	0.64	207	<1	0.01	15	880	8	0.02	<2	4	24
CC132931		10	<1	0.09	10	0.89	260	<1	0.01	16	780	7	0.02	2	6	27
CC132932		<10	<1	0.07	10	0.48	6600	4	0.01	15	1870	8	0.15	2	6	54
CC132933		10	<1	0.07	10	0.82	702	<1	0.01	18	980	7	0.04	3	6	37
CC132934		10	1	0.15	10	0.98	436	<1	0.02	17	960	10	0.02	2	8	35
CC132935		10	<1	0.09	10	0.91	228	<1	0.01	21	750	9	0.02	<2	7	22



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
CC132879		<20	0.03	<10	<10	70	10	164
CC132897		<20	0.08	<10	10	83	<10	93
CC132898		<20	0.16	<10	<10	89	<10	77
CC132899		<20	0.12	<10	<10	108	<10	89
CC132900		<20	0.11	<10	<10	103	<10	80
CC132901		<20	0.04	<10	<10	63	<10	97
CC132902		<20	0.09	<10	<10	94	<10	75
CC132903		<20	0.06	<10	<10	72	<10	76
CC132904		<20	0.05	<10	<10	90	<10	124
CC132905		<20	0.12	<10	<10	79	<10	69
CC132906		<20	0.13	<10	<10	84	<10	61
CC132907		<20	0.09	<10	<10	80	<10	61
CC132908		<20	0.08	<10	<10	81	<10	75
CC132909		<20	0.13	<10	<10	126	<10	82
CC132910		<20	0.07	<10	<10	77	<10	54
CC132911		<20	0.10	<10	<10	87	<10	55
CC132912		<20	0.06	<10	<10	85	<10	66
CC132913								
CC132914		<20	0.12	<10	<10	91	<10	86
CC132915		<20	0.06	<10	<10	63	<10	53
CC132916		<20	0.04	<10	<10	54	<10	56
CC132917		<20	0.09	<10	<10	67	<10	62
CC132918		<20	0.06	<10	<10	53	<10	56
CC132919		<20	0.13	<10	<10	93	<10	64
CC132920		<20	0.07	<10	<10	100	<10	84
CC132921		<20	0.07	<10	<10	54	<10	49
CC132922		<20	0.05	<10	<10	74	<10	60
CC132923		<20	0.12	<10	<10	79	<10	87
CC132924		<20	0.10	<10	<10	73	<10	70
CC132925		<20	0.06	<10	<10	90	<10	58
CC132926		<20	0.07	<10	<10	92	<10	59
CC132927		<20	0.09	<10	<10	83	<10	68
CC132928		<20	0.15	<10	<10	82	<10	84
CC132929		<20	0.14	<10	<10	92	<10	72
CC132930		<20	0.10	<10	<10	62	<10	69
CC132931		<20	0.07	<10	<10	90	<10	71
CC132932		<20	0.03	<10	<10	89	<10	55
CC132933		<20	0.09	<10	<10	95	<10	61
CC132934		<20	0.13	<10	<10	98	<10	73
CC132935		<20	0.09	<10	<10	99	<10	74



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		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC132936		0.20	0.002	0.2	2.25	34	<10	320	<0.5	<2	0.79	<0.5	18	38	22	4.35
CC132937		0.24	0.002	0.2	2.53	32	<10	270	0.5	<2	0.73	<0.5	21	35	18	5.62
CC132938		0.31	0.001	<0.2	2.33	11	<10	650	0.5	<2	0.73	<0.5	13	32	17	3.71
CC132939		0.15	0.002	0.2	1.83	10	<10	550	0.5	<2	0.70	<0.6	27	26	17	4.09
CC132940		0.58	0.003	<0.2	2.30	9	<10	220	<0.5	<2	0.41	<0.5	11	32	15	3.60
CC132941		0.24	0.002	<0.2	1.75	12	<10	180	<0.5	<2	0.35	<0.5	6	23	10	3.58
CC132942		0.44	0.002	<0.2	2.32	12	<10	200	<0.5	<2	0.38	<0.5	10	30	15	3.49
CC132943		0.50	0.002	<0.2	2.32	19	<10	310	0.6	<2	0.46	<0.5	12	34	20	4.53
CC132944		0.15	0.003	<0.2	1.62	22	<10	260	0.5	<2	0.42	<0.5	9	19	10	3.47
CC132945		0.33	0.002	<0.2	2.11	9	<10	420	<0.5	<2	0.64	<0.5	9	31	18	2.83
CC132946		0.31	0.002	0.2	2.33	19	<10	490	0.6	<2	0.81	<0.5	12	35	29	3.41
CC132947		0.17	0.002	0.2	2.41	26	<10	410	0.5	<2	1.09	<0.5	11	39	31	4.03
CC132948		0.22	0.003	0.2	2.09	13	<10	310	0.5	<2	0.82	<0.5	17	45	29	3.65
CC132949		0.34	0.006	0.2	2.47	50	<10	350	0.6	<2	0.84	<0.5	14	40	31	3.94
CC132950		0.19	0.002	<0.2	2.33	11	<10	260	<0.5	<2	0.75	<0.5	12	36	22	3.51
CC132951		0.15	<0.001	0.9	0.82	3	<10	360	0.6	<2	0.96	2.1	7	19	24	1.26
CC132952		0.13	0.002	<0.2	2.03	9	<10	160	<0.5	<2	0.41	<0.5	8	30	13	2.51
CC132953		0.15	0.002	<0.2	1.38	9	<10	190	<0.5	<2	0.46	<0.5	8	25	11	2.96
CC132954		0.11	0.003	0.2	1.77	8	<10	330	0.5	<2	0.66	<0.5	12	30	15	3.13
CC132955		0.18	0.004	<0.2	2.05	10	<10	230	<0.5	<2	0.56	<0.5	11	29	15	3.57
CC132956		0.29	0.005	<0.2	1.92	6	<10	210	<0.5	<2	0.51	<0.5	11	27	12	3.37
CC132957		0.10	0.003	<0.2	1.78	<2	<10	190	<0.5	<2	0.54	<0.5	11	28	9	2.57
CC132958		0.14	0.006	0.2	0.76	15	<10	340	0.5	<2	1.53	<0.5	14	16	29	5.22
CC132959		0.21	0.001	0.2	1.22	4	<10	160	<0.5	<2	0.59	<0.5	10	19	6	2.13
CC132960		0.15	0.002	<0.2	2.00	7	<10	180	<0.5	<2	0.42	<0.5	13	28	14	3.49
CC132961		0.06	0.003	<0.2	1.71	5	<10	190	<0.5	<2	0.44	<0.5	12	25	9	3.38
CC132962		0.12	0.011	0.2	1.13	6	<10	200	<0.5	<2	0.45	<0.5	3	18	8	1.89
CC132963		0.31	0.004	0.3	1.54	10	<10	240	0.5	<2	0.41	<0.5	10	23	13	3.14
CC132964		0.24	0.008	<0.2	1.80	9	<10	260	0.5	<2	0.66	<0.5	12	25	11	3.62
CC132965		0.15	0.003	<0.2	2.38	9	<10	360	0.6	<2	0.40	<0.5	12	31	23	3.46
CC132966		0.31	0.004	<0.2	2.01	8	<10	210	0.6	<2	0.40	<0.5	12	29	21	3.21
CC132967		0.44	0.004	<0.2	1.57	8	<10	260	0.6	<2	0.51	<0.5	11	29	20	3.34
CC132968		0.09	0.010	0.2	1.43	7	<10	220	<0.5	<2	0.49	<0.5	6	26	9	2.16
CC132969		0.08	NSS	0.3	0.58	4	<10	320	<0.5	<2	1.17	<0.5	4	13	21	1.04
CC132970		0.10	0.008	0.6	1.34	21	<10	560	0.6	<2	0.48	<0.5	108	33	13	8.90
CC132972		0.16	0.017	0.2	1.64	8	<10	310	<0.5	<2	0.70	<0.5	11	26	14	3.08
CC132973		0.23	0.006	0.2	2.46	9	<10	170	<0.5	<2	0.60	<0.5	10	33	22	3.07
CC132991		0.22	0.002	<0.2	2.40	19	<10	310	<0.5	<2	0.74	<0.5	14	39	19	3.73
CC132992		0.27	0.002	<0.2	2.05	21	<10	360	<0.5	<2	0.70	<0.5	24	33	18	3.85
CC132993		0.30	0.001	<0.2	1.84	6	<10	320	<0.5	<2	0.58	<0.5	8	22	9	2.54



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
CC132936		10	1	0.08	10	0.98	763	1	0.01	17	1250	7	0.06	<2	6	41
CC132937		10	<1	0.11	10	1.01	1165	1	0.01	15	1040	11	0.04	2	8	40
CC132938		10	<1	0.07	20	0.76	1190	2	0.01	16	1140	7	0.04	<2	6	59
CC132939		<10	<1	0.06	20	0.49	4990	2	0.01	14	1460	8	0.11	2	5	49
CC132940		10	<1	0.12	20	0.80	318	<1	0.01	16	800	8	0.01	<2	5	22
CC132941		10	<1	0.08	10	0.57	215	<1	0.01	11	770	9	0.01	2	4	19
CC132942		10	<1	0.11	20	0.72	253	<1	0.01	15	750	8	0.01	<2	6	20
CC132943		10	<1	0.13	30	0.77	355	<1	0.01	17	750	8	0.01	<2	8	27
CC132944		<10	1	0.10	20	0.52	491	1	0.01	8	1070	9	0.04	2	5	23
CC132945		10	<1	0.08	10	0.69	413	<1	0.01	16	900	7	0.06	<2	5	38
CC132946		10	<1	0.16	20	0.70	725	<1	0.01	18	970	7	0.06	<2	9	50
CC132947		10	<1	0.08	10	0.97	629	1	0.01	18	1350	8	0.09	<2	7	56
CC132948		10	<1	0.08	10	0.91	1105	1	0.01	24	790	7	0.03	2	6	38
CC132949		10	<1	0.07	10	0.99	852	1	0.01	19	980	10	0.05	2	8	42
CC132950		10	<1	0.12	10	1.07	314	<1	0.02	16	910	7	0.02	<2	7	36
CC132951		<10	<1	0.03	40	0.14	580	1	0.02	7	2270	<2	0.29	<2	3	63
CC132952		10	<1	0.09	10	0.72	242	<1	0.01	15	670	8	<0.01	<2	4	20
CC132953		<10	<1	0.08	10	0.56	292	1	0.01	11	780	9	0.02	2	3	24
CC132954		<10	<1	0.10	10	0.56	753	4	0.01	14	1160	11	0.08	<2	4	42
CC132955		10	<1	0.09	20	0.74	597	3	0.01	16	860	7	0.02	<2	5	29
CC132956		10	<1	0.10	10	0.68	666	4	0.01	15	900	8	0.02	<2	4	29
CC132957		<10	<1	0.07	10	0.75	549	<1	0.02	13	770	6	0.02	<2	4	28
CC132958		<10	1	0.03	40	0.17	1230	1	0.02	13	2030	2	0.25	<2	4	100
CC132959		<10	<1	0.08	10	0.56	729	<1	0.01	8	1010	5	0.03	<2	4	28
CC132960		10	<1	0.14	10	0.73	547	1	0.02	17	840	9	0.02	<2	5	23
CC132961		10	<1	0.11	10	0.67	689	1	0.03	12	870	7	0.04	<2	4	26
CC132962		<10	<1	0.11	10	0.31	281	3	0.02	9	510	15	0.06	<2	2	31
CC132963		10	<1	0.11	10	0.46	858	5	0.02	15	530	36	0.04	<2	5	31
CC132964		10	<1	0.15	10	0.63	1135	5	0.03	15	760	10	0.05	<2	5	42
CC132965		10	<1	0.12	30	0.61	579	3	0.03	20	800	9	0.05	<2	6	37
CC132966		10	<1	0.16	20	0.68	719	2	0.02	21	730	10	0.02	<2	6	26
CC132967		10	<1	0.18	30	0.61	708	1	0.03	19	1010	11	0.01	<2	9	31
CC132968		<10	<1	0.08	10	0.39	349	3	0.03	12	950	11	0.07	<2	3	33
CC132969		<10	<1	0.06	10	0.15	1010	2	0.04	7	1980	<2	0.31	<2	1	80
CC132970		<10	1	0.07	10	0.21	11050	10	0.03	10	1930	19	0.15	<2	3	41
CC132972		10	<1	0.16	20	0.64	606	2	0.03	17	1040	7	0.06	<2	6	50
CC132973		10	<1	0.10	10	0.93	235	<1	0.03	17	650	11	0.03	<2	6	28
CC132991		10	<1	0.12	10	0.95	465	1	0.03	19	940	9	0.04	<2	7	45
CC132992		10	<1	0.11	10	0.76	2360	2	0.03	17	1010	9	0.06	<2	5	45
CC132993		10	<1	0.18	10	0.66	253	1	0.03	11	670	11	0.03	<2	5	33



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
CC132936		<20	0.05	<10	<10	97	<10	85
CC132937		<20	0.05	<10	<10	104	<10	77
CC132938		<20	0.10	<10	10	79	<10	115
CC132939		<20	0.06	<10	<10	70	<10	77
CC132940		<20	0.16	<10	<10	84	<10	71
CC132941		<20	0.07	<10	<10	66	<10	52
CC132942		<20	0.14	<10	<10	84	<10	70
CC132943		20	0.15	<10	<10	95	<10	69
CC132944		<20	0.06	<10	<10	66	<10	62
CC132945		<20	0.09	<10	<10	72	<10	95
CC132946		<20	0.06	<10	<10	79	<10	86
CC132947		<20	0.05	<10	<10	89	<10	71
CC132948		<20	0.09	<10	<10	79	<10	69
CC132949		<20	0.06	<10	<10	95	<10	69
CC132950		<20	0.13	<10	<10	101	<10	80
CC132951		<20	0.01	<10	<10	20	<10	21
CC132952		<20	0.12	<10	<10	66	<10	66
CC132953		<20	0.10	<10	<10	65	<10	54
CC132954		<20	0.07	<10	<10	69	<10	71
CC132955		<20	0.11	<10	<10	84	<10	70
CC132956		<20	0.12	<10	<10	78	<10	74
CC132957		<20	0.12	<10	<10	60	<10	63
CC132958		<20	0.02	<10	<10	52	<10	13
CC132959		<20	0.11	<10	<10	45	<10	50
CC132960		<20	0.15	<10	<10	79	<10	72
CC132961		<20	0.13	<10	<10	72	<10	73
CC132962		<20	0.04	<10	<10	44	<10	39
CC132963		<20	0.07	<10	<10	62	<10	79
CC132964		<20	0.10	<10	<10	78	<10	75
CC132965		<20	0.10	<10	<10	77	<10	72
CC132966		<20	0.10	<10	<10	69	<10	67
CC132967		<20	0.10	<10	<10	73	<10	67
CC132968		<20	0.05	<10	<10	46	<10	43
CC132969		<20	0.02	<10	<10	14	<10	29
CC132970		<20	0.04	<10	<10	94	<10	47
CC132972		<20	0.10	<10	<10	73	<10	89
CC132973		<20	0.15	<10	<10	87	<10	62
CC132991		<20	0.11	<10	<10	97	<10	80
CC132992		<20	0.08	<10	<10	86	<10	78
CC132993		<20	0.09	<10	<10	62	<10	67



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
CC132994		0.15	0.004	<0.2	1.78	4	<10	260	<0.5	<2	0.30	<0.5	3	23	10	1.96
CC132995		0.35	0.004	<0.2	2.22	8	<10	210	0.5	<2	0.34	<0.5	10	30	17	3.11
CC132996		0.40	0.004	<0.2	2.09	11	<10	190	<0.5	<2	0.35	<0.5	8	29	14	2.99
CC132997		0.32	0.005	<0.2	1.97	8	<10	260	<0.5	<2	0.38	<0.5	8	30	10	2.57
CC132998		0.30	0.002	<0.2	2.32	15	<10	280	0.5	<2	0.51	<0.5	8	33	20	3.83
CC132999		0.44	0.003	<0.2	2.32	11	<10	280	<0.5	<2	0.62	<0.5	13	35	20	3.42
CC133000		0.44	0.003	<0.2	2.37	20	<10	280	0.5	<2	0.63	<0.5	16	41	27	3.92



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
CC132994		10	<1	0.09	20	0.32	132	<1	0.02	9	700	11	0.05	<2	5
CC132995		10	<1	0.12	20	0.63	253	1	0.02	15	680	10	0.02	<2	7
CC132996		10	<1	0.09	20	0.58	224	<1	0.02	15	700	7	0.04	<2	5
CC132997		10	<1	0.09	10	0.49	434	2	0.03	12	1000	11	0.06	<2	4
CC132998		10	<1	0.17	20	0.74	212	<1	0.03	15	550	7	0.04	<2	7
CC132999		10	<1	0.14	10	0.91	581	<1	0.03	18	800	9	0.03	<2	6
CC133000		10	<1	0.14	20	0.96	584	<1	0.03	22	810	8	0.02	<2	8



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
CC132994		<20	0.03	<10	<10	44	<10	41
CC132995		<20	0.12	<10	<10	80	<10	65
CC132996		<20	0.10	<10	<10	72	<10	57
CC132997		<20	0.07	<10	<10	66	<10	60
CC132998		<20	0.11	<10	<10	82	<10	61
CC132999		<20	0.15	<10	<10	89	<10	74
CC133000		<20	0.15	<10	<10	96	<10	79



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Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non- sufficient sample.



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P.O. No.:

This report is for 31 Rock samples submitted to our lab in Whitehorse, YT, Canada on 4- SEP- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
CRU- QC	Crushing QC Test
PUL- QC	Pulverizing QC Test
CRU- 31	Fine crushing - 70% < 2mm
SPL- 21	Split sample - riffle splitter
PUL- 31	Pulverize split to 85% < 75 um

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- AA24	Au 50g FA AA finish	AAS
Au- GRA22	Au 50 g FA- GRAV finish	WST- SIM
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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 Finalized Date: 5- OCT- 2011
 Account: F

Project: LLL

CERTIFICATE OF ANALYSIS WH11177378

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- AA24 Au ppm	Au- GRA22 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm
		0.02	0.005	0.05	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
K973504		2.64	1.125		1.2	0.20	>10000	20	3060	<0.5	6	0.20	<0.5	3	11	40
K973505		0.68	0.148		0.9	0.27	351	<10	1080	<0.5	<2	0.07	<0.5	4	17	10
K973506		1.23	0.061		1.7	0.20	1270	<10	150	<0.5	<2	0.03	2.4	6	7	69
K973507		1.38	0.126		1.7	0.41	3080	<10	2350	<0.5	<2	0.10	0.5	80	12	367
K973508		1.34	0.048		0.4	0.44	6960	<10	2060	0.6	2	0.08	0.8	6	16	313
K973509		0.88	0.141		1.4	0.53	2270	<10	1000	0.8	<2	0.07	0.8	13	29	214
K973510		1.03	0.007		<0.2	0.10	68	<10	110	<0.5	<2	0.05	<0.5	1	10	5
K973511		1.19	<0.005		<0.2	0.34	43	<10	50	<0.5	<2	0.03	<0.5	1	6	15
K973512		1.45	<0.005		0.2	0.44	11	<10	60	<0.5	<2	0.15	<0.5	3	11	76
K973513		0.65	0.011		<0.2	0.56	3	<10	30	<0.5	<2	0.51	<0.5	1	10	95
K973514		0.79	0.007		<0.2	1.23	23	<10	70	<0.5	<2	0.28	<0.5	9	14	31
K973515		0.70	<0.005		<0.2	0.42	218	<10	120	<0.5	<2	0.05	<0.5	2	17	39
K973516		0.32	0.005		0.3	0.29	199	<10	60	<0.5	<2	0.01	<0.5	1	13	30
K973517		1.02	0.009		0.2	0.41	538	<10	150	<0.5	<2	0.01	0.8	<1	23	93
K973518		0.96	0.013		<0.2	0.45	442	<10	80	0.5	<2	0.01	0.6	<1	31	140
K973519		1.16	<0.005		<0.2	0.35	53	<10	150	<0.5	<2	0.01	<0.5	<1	17	19
K973520		1.76	0.005		0.3	0.35	370	<10	140	<0.5	<2	0.02	<0.5	<1	21	37
K973521		1.56	0.006		1.0	0.66	450	<10	100	0.7	<2	0.02	0.5	5	21	118
I078463		0.66	0.141		4.3	0.14	1680	10	220	<0.5	2	0.02	<0.5	1	13	56
I078464		1.12	0.024		0.2	0.43	1380	<10	180	0.6	<2	0.05	<0.5	4	12	121
I078465		0.98	0.037		0.3	0.29	336	<10	520	<0.5	<2	0.01	<0.5	<1	20	54
I078466		1.21	>10.0	14.15	16.0	0.07	140	50	130	<0.5	45	0.22	<0.5	3	13	129
I078467		1.00	0.106		2.1	0.18	3540	20	880	<0.5	<2	0.07	<0.5	8	20	154
I078468		0.60	0.014		<0.2	0.81	52	20	170	<0.5	<2	0.55	<0.5	3	54	5
I078469		1.35	0.025		0.4	0.74	6	<10	80	<0.5	<2	0.84	<0.5	1	23	179
I078470		0.88	0.014		<0.2	0.79	<2	<10	40	<0.5	<2	1.08	<0.5	2	25	105
I078471		1.21	0.017		0.4	1.68	19	<10	150	<0.5	<2	1.02	<0.5	19	13	256
I078472		0.80	<0.005		<0.2	0.68	53	<10	80	0.6	<2	0.03	<0.5	1	16	45
I078473		0.42	0.010		0.2	0.77	33	<10	120	0.5	<2	0.02	<0.5	1	29	38
I078474		0.93	0.011		0.2	0.45	561	<10	210	<0.5	<2	0.01	0.6	1	14	89
I078475		0.95	<0.005		0.2	1.14	64	<10	110	<0.5	<2	0.01	<0.5	2	34	139



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Project: LLL

CERTIFICATE OF ANALYSIS WH11177378

Sample Description	Method Analyte Units LOR	ME- ICP41 Fe %	ME- ICP41 Ga ppm	ME- ICP41 Hg ppm	ME- ICP41 K %	ME- ICP41 La ppm	ME- ICP41 Mg %	ME- ICP41 Mn ppm	ME- ICP41 Mo ppm	ME- ICP41 Na %	ME- ICP41 Ni ppm	ME- ICP41 P ppm	ME- ICP41 Pb ppm	ME- ICP41 S %	ME- ICP41 Sb ppm	ME- ICP41 Sc ppm
K973504		3.73	<10	<1	0.13	<10	0.02	103	12	0.01	3	880	66	0.06	81	1
K973505		1.13	<10	<1	0.14	<10	0.03	133	1	<0.01	9	300	11	0.01	15	1
K973506		2.83	<10	<1	0.15	<10	0.01	63	9	<0.01	40	280	52	0.05	84	3
K973507		2.86	<10	1	0.13	10	0.04	431	8	<0.01	29	830	10	0.07	174	4
K973508		13.8	<10	<1	0.20	<10	0.05	461	34	0.01	69	1000	15	0.08	684	4
K973509		6.18	<10	<1	0.10	<10	0.05	395	6	<0.01	52	640	17	0.02	99	6
K973510		0.49	<10	<1	0.06	<10	0.01	87	<1	0.01	3	80	4	<0.01	2	<1
K973511		0.72	<10	<1	0.15	10	0.08	100	1	0.05	<1	20	6	0.01	2	<1
K973512		0.87	<10	<1	0.12	20	0.16	118	1	0.04	5	90	12	0.05	<2	1
K973513		0.59	<10	<1	0.03	10	0.14	118	1	0.12	2	810	9	0.01	<2	1
K973514		3.61	10	<1	0.14	10	0.72	388	10	0.05	4	610	13	0.10	5	8
K973515		1.38	<10	<1	0.24	20	0.06	62	2	<0.01	12	240	2	0.01	11	1
K973516		1.63	<10	<1	0.12	<10	0.01	42	4	<0.01	3	270	75	0.02	24	1
K973517		5.36	<10	1	0.13	10	0.01	46	14	<0.01	7	1140	16	0.02	26	1
K973518		7.44	<10	<1	0.11	<10	0.02	39	12	<0.01	5	1870	11	0.02	23	2
K973519		1.08	<10	<1	0.14	10	0.04	31	2	<0.01	3	280	8	0.01	5	1
K973520		3.16	<10	<1	0.26	10	0.03	39	5	0.01	3	1080	51	0.32	19	3
K973521		4.92	<10	<1	0.16	10	0.05	153	3	<0.01	21	680	69	0.03	10	2
I078463		1.90	<10	<1	0.09	10	0.01	71	5	<0.01	10	550	51	0.07	45	2
I078464		3.59	<10	<1	0.14	<10	0.03	239	7	<0.01	28	780	5	0.03	38	2
I078465		2.66	<10	<1	0.25	10	0.02	38	6	0.01	6	380	4	0.14	17	2
I078466		0.54	<10	<1	0.01	<10	0.01	43	1	0.01	11	1120	127	0.03	10	<1
I078467		1.70	<10	<1	0.13	<10	0.01	48	6	<0.01	7	680	29	0.12	28	1
I078468		1.06	<10	<1	0.19	<10	0.61	174	1	0.03	29	470	4	0.01	<2	4
I078469		0.83	<10	<1	0.05	10	0.67	266	<1	0.11	3	770	11	0.01	<2	3
I078470		0.73	<10	<1	0.07	10	0.48	210	<1	0.10	3	390	6	0.02	<2	3
I078471		2.68	<10	<1	0.14	10	0.64	289	3	0.21	7	730	22	0.50	3	4
I078472		2.44	<10	<1	0.16	<10	0.08	50	2	<0.01	7	540	16	0.02	3	2
I078473		1.93	<10	<1	0.18	20	0.07	33	1	0.01	9	350	10	0.02	4	2
I078474		4.40	<10	<1	0.17	10	0.02	37	10	0.01	13	880	18	0.02	34	1
I078475		7.63	<10	<1	0.11	<10	0.02	76	3	0.01	23	180	9	0.04	4	5



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 Account: F

Project: LLL

CERTIFICATE OF ANALYSIS WH11177378

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Sr	Th	Ti	Tl	U	V	W
		ppm	ppm	%	ppm	ppm	ppm	ppm
		1	20	0.01	10	10	1	10
K973504		37	<20	<0.01	<10	<10	17	<10
K973505		6	<20	<0.01	<10	<10	18	<10
K973506		11	<20	<0.01	<10	<10	11	<10
K973507		123	<20	<0.01	<10	<10	39	<10
K973508		18	<20	<0.01	<10	10	64	<10
K973509		19	<20	<0.01	<10	<10	57	<10
K973510		3	<20	<0.01	<10	<10	2	<10
K973511		5	30	<0.01	<10	<10	4	<10
K973512		12	30	0.01	<10	<10	9	<10
K973513		34	<20	0.09	<10	<10	18	<10
K973514		11	<20	0.06	<10	<10	73	<10
K973515		5	<20	<0.01	<10	<10	24	<10
K973516		4	<20	<0.01	<10	<10	11	<10
K973517		6	<20	<0.01	<10	<10	48	<10
K973518		3	<20	<0.01	<10	<10	73	<10
K973519		7	<20	<0.01	<10	<10	25	<10
K973520		12	<20	<0.01	<10	<10	33	<10
K973521		8	<20	<0.01	<10	<10	29	<10
I078463		9	<20	<0.01	<10	<10	7	<10
I078464		14	<20	<0.01	<10	<10	19	<10
I078465		12	<20	<0.01	<10	<10	24	<10
I078466		16	<20	<0.01	<10	10	4	10
I078467		39	<20	<0.01	<10	<10	12	<10
I078468		12	<20	0.02	<10	<10	57	<10
I078469		36	<20	0.07	<10	<10	34	<10
I078470		33	<20	0.02	<10	<10	27	<10
I078471		55	<20	0.16	<10	<10	71	<10
I078472		6	<20	<0.01	<10	<10	33	<10
I078473		6	<20	<0.01	<10	<10	38	<10
I078474		11	<20	<0.01	<10	<10	27	<10
I078475		5	<20	<0.01	<10	<10	63	<10



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CERTIFICATE WH11167595

Project: LLL Selwyn

P.O. No.:

This report is for 2 Soil samples submitted to our lab in Whitehorse, YT, Canada on 25- AUG- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

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Colin Ramshaw, Vancouver Laboratory Manager



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Project: LLL Selwyn

CERTIFICATE OF ANALYSIS WH11167595

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
ZZ22744		0.30	0.001	<0.2	2.07	18	<10	410	0.9	<2	0.51	<0.5	12	26	19	4.12
ZZ22889		0.36	0.003	<0.2	1.54	34	<10	580	0.5	<2	0.48	0.6	10	42	43	3.56



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CERTIFICATE OF ANALYSIS WH11167595[illegible]



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Project: LLL Selwyn

CERTIFICATE OF ANALYSIS WH11167595

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
ZZ22744		20	0.09	<10	<10	76	<10	78
ZZ22889		<20	0.11	<10	<10	79	<10	104



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CERTIFICATE WH11157701

Project: LLL
P.O. No.:
This report is for 214 Soil samples submitted to our lab in Whitehorse, YT, Canada on 12- AUG- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

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Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS WH11157701

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg .02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
ZZ25567		0.38	0.005	<0.2	1.98	11	<10	350	0.6	2	0.57	<0.5	10	30	20	3.62
ZZ25568		0.54	0.003	<0.2	2.27	10	<10	250	0.6	<2	0.56	<0.5	12	34	21	4.00
ZZ25569		0.50	0.003	<0.2	1.72	3	<10	160	<0.5	<2	0.43	<0.5	8	26	15	2.52
ZZ25570		0.30	0.006	0.5	3.43	13	<10	540	0.8	<2	0.61	<0.5	8	38	27	3.98
ZZ25571		0.42	0.002	0.3	2.47	10	<10	550	0.7	<2	0.56	<0.5	12	28	17	4.19
ZZ25572		0.38	0.003	<0.2	1.89	6	<10	410	<0.5	<2	0.60	<0.5	9	27	13	3.06
ZZ25573		0.48	0.001	<0.2	2.02	7	<10	430	0.5	<2	0.51	<0.5	17	27	12	3.81
ZZ25574		0.38	0.005	<0.2	1.68	8	<10	390	0.5	<2	0.46	<0.5	9	27	13	3.28
ZZ25575		0.26	0.005	0.2	2.10	8	<10	360	0.5	<2	0.41	<0.5	11	29	17	3.46
ZZ26021		0.52	0.002	<0.2	2.35	11	<10	120	0.6	<2	0.16	<0.5	14	29	13	3.98
ZZ26022		0.36	0.003	<0.2	1.10	6	<10	80	<0.5	<2	0.07	<0.5	2	16	10	1.55
ZZ26023		0.42	0.003	<0.2	1.91	7	<10	100	0.7	<2	0.13	<0.5	8	18	7	3.80
ZZ26024		0.40	0.004	0.6	2.31	15	<10	520	1.2	<2	0.34	<0.5	3	21	11	4.12
ZZ26025		0.50	0.003	0.2	1.70	12	<10	240	0.8	<2	0.22	<0.5	7	61	25	2.37
ZZ26026		0.24	0.001	<0.2	1.16	65	<10	150	<0.5	<2	0.25	<0.5	6	30	12	2.17
ZZ26027		0.34	0.003	<0.2	1.78	67	<10	170	0.9	<2	0.42	<0.5	17	64	23	4.88
ZZ26028		0.44	0.003	<0.2	2.19	37	<10	170	0.9	<2	0.52	<0.5	14	30	29	4.84
ZZ26029		0.40	0.003	0.2	1.57	40	<10	150	0.7	<2	0.41	<0.5	10	29	24	3.45
ZZ26030		0.34	0.005	0.2	2.31	21	<10	320	0.8	<2	0.37	<0.5	13	41	62	4.68
ZZ26031		0.62	0.003	0.2	1.71	39	<10	270	0.6	<2	0.27	<0.5	10	33	28	3.55
ZZ26032		0.28	0.004	0.7	2.15	62	<10	910	0.5	<2	0.64	<0.5	11	36	25	3.20
ZZ26033		0.38	0.006	0.2	2.19	58	<10	430	0.7	<2	0.43	0.6	11	39	34	3.47
ZZ26034		0.48	0.003	<0.2	1.52	26	<10	260	<0.5	<2	0.41	<0.5	8	31	25	2.45
ZZ26035		0.30	0.003	0.2	1.94	49	<10	250	<0.5	<2	0.46	<0.5	9	36	18	2.97
ZZ26036		0.26	0.003	0.2	2.33	6	<10	210	0.5	<2	0.48	<0.5	11	33	20	2.83
ZZ26037		0.40	0.006	<0.2	1.77	4	<10	140	<0.5	<2	0.62	<0.5	10	29	19	3.02
ZZ26038		0.48	0.004	<0.2	1.94	6	<10	150	<0.5	<2	0.51	<0.5	10	33	22	2.85
ZZ26039		0.34	0.005	<0.2	2.57	8	<10	180	0.7	<2	0.29	<0.5	14	33	26	3.64
ZZ26040		0.28	0.003	<0.2	2.05	6	<10	130	<0.5	<2	0.28	<0.5	10	31	19	3.44
ZZ26041		0.42	0.008	<0.2	1.72	7	<10	140	<0.5	<2	0.50	<0.5	11	34	32	3.27
ZZ26042		0.40	0.004	<0.2	2.13	10	<10	200	0.5	<2	0.15	<0.5	10	35	25	3.42
ZZ26043		0.28	0.005	0.2	1.91	9	<10	150	0.7	<2	0.17	<0.5	8	31	30	3.37
ZZ26044		0.30	0.004	<0.2	1.78	10	<10	150	<0.5	<2	0.28	<0.5	11	34	24	3.33
ZZ26045		0.36	0.004	<0.2	2.43	12	<10	180	0.5	<2	0.27	<0.5	11	38	28	3.75
ZZ26046		0.36	0.003	0.2	2.33	10	<10	190	0.6	<2	0.26	<0.5	11	36	29	3.63
ZZ26047		0.30	0.004	<0.2	1.75	5	<10	160	<0.5	<2	0.41	<0.5	8	32	30	2.58
ZZ26048		0.44	0.002	0.2	2.04	5	<10	350	0.5	<2	0.77	<0.5	13	38	19	3.06
ZZ26049		0.30	0.004	0.3	2.07	13	<10	640	0.6	<2	0.60	<0.5	12	31	23	3.62
ZZ26050		0.34	0.003	0.2	2.24	10	<10	430	0.5	<2	0.70	<0.5	11	38	15	3.42
ZZ26076		0.40	0.003	<0.2	3.03	13	<10	320	0.9	<2	0.33	<0.5	10	34	15	4.17



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ25567		10	<1	0.12	30	0.54	367	1	0.02	14	640	13	0.03	3	10	42
ZZ25568		10	<1	0.13	30	0.75	348	2	0.02	15	780	12	0.02	2	10	32
ZZ25569		10	<1	0.12	20	0.62	248	1	0.02	12	790	10	0.04	<2	5	25
ZZ25570		10	<1	0.23	30	0.57	322	2	0.02	17	1380	12	0.12	2	13	50
ZZ25571		10	<1	0.20	30	0.66	857	2	0.02	11	850	11	0.06	2	11	45
ZZ25572		10	<1	0.11	10	0.63	364	3	0.02	11	770	7	0.07	<2	6	65
ZZ25573		10	<1	0.10	20	0.66	812	1	0.02	11	580	10	0.05	<2	6	44
ZZ25574		10	<1	0.09	20	0.61	465	1	0.02	13	560	10	0.04	2	5	35
ZZ25575		10	<1	0.10	20	0.66	376	1	0.02	15	550	9	0.04	2	6	29
ZZ26021		10	<1	0.17	10	0.59	1110	1	0.02	14	360	17	0.03	2	5	16
ZZ26022		10	<1	0.04	10	0.12	121	1	0.01	5	300	9	0.03	<2	1	12
ZZ26023		10	<1	0.15	20	0.38	703	1	0.01	7	470	16	0.03	<2	5	15
ZZ26024		10	1	0.16	20	0.19	184	1	0.01	8	940	17	0.10	<2	6	25
ZZ26025		10	<1	0.08	30	0.43	145	<1	0.02	33	580	18	0.05	<2	11	13
ZZ26026		<10	<1	0.06	20	0.22	708	1	0.02	12	910	13	0.06	2	4	18
ZZ26027		10	<1	0.10	20	0.55	369	1	0.02	42	1370	10	0.04	4	7	18
ZZ26028		10	<1	0.11	30	0.68	494	2	0.02	18	1830	6	0.04	2	8	21
ZZ26029		10	<1	0.10	30	0.44	255	3	0.02	15	1200	8	0.03	3	6	20
ZZ26030		10	<1	0.09	50	0.55	887	3	0.02	25	1310	8	0.07	<2	10	25
ZZ26031		<10	<1	0.07	10	0.41	194	3	0.02	23	960	20	0.03	4	5	18
ZZ26032		10	<1	0.06	10	0.56	855	2	0.02	25	1640	10	0.10	3	6	44
ZZ26033		10	<1	0.06	20	0.58	403	2	0.02	24	1090	11	0.07	5	8	29
ZZ26034		<10	<1	0.06	10	0.58	235	1	0.02	20	970	7	0.03	3	5	23
ZZ26035		10	<1	0.06	10	0.61	371	1	0.02	20	940	8	0.05	<2	4	24
ZZ26036		10	<1	0.06	10	0.77	296	1	0.02	19	830	11	0.05	<2	6	27
ZZ26037		10	<1	0.05	10	0.82	460	<1	0.03	15	890	6	0.04	2	6	32
ZZ26038		10	<1	0.06	10	0.78	301	<1	0.02	19	740	7	0.05	<2	5	28
ZZ26039		10	<1	0.05	10	0.67	631	1	0.02	25	800	8	0.04	<2	5	21
ZZ26040		10	<1	0.05	10	0.59	425	1	0.02	15	580	9	0.05	2	4	23
ZZ26041		10	<1	0.06	20	0.76	500	<1	0.03	21	1000	5	0.03	<2	6	28
ZZ26042		10	<1	0.05	10	0.48	343	1	0.02	21	510	10	0.05	<2	4	16
ZZ26043		10	<1	0.04	10	0.41	356	2	0.02	18	530	13	0.06	<2	3	17
ZZ26044		10	<1	0.09	10	0.66	504	1	0.02	22	480	7	0.04	2	4	21
ZZ26045		10	<1	0.11	10	0.72	469	1	0.02	23	520	9	0.04	2	5	20
ZZ26046		10	<1	0.10	10	0.60	419	1	0.02	21	410	10	0.04	2	4	23
ZZ26047		10	<1	0.08	10	0.67	289	<1	0.02	29	490	7	0.03	2	4	27
ZZ26048		10	<1	0.06	20	0.62	762	1	0.02	19	1000	9	0.08	<2	5	53
ZZ26049		10	<1	0.09	20	0.56	719	2	0.02	20	900	11	0.07	2	7	44
ZZ26050		10	<1	0.08	20	0.61	401	1	0.03	16	730	10	0.05	<2	6	57
ZZ26076		10	<1	0.12	30	0.70	603	<1	0.02	18	420	15	0.01	3	6	30



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ25567		<20	0.08	<10	<10	70	<10	69
ZZ25568		<20	0.12	<10	<10	92	<10	66
ZZ25569		<20	0.11	<10	<10	67	<10	55
ZZ25570		<20	0.03	<10	<10	86	<10	77
ZZ25571		<20	0.07	<10	<10	86	<10	86
ZZ25572		<20	0.09	<10	<10	75	<10	82
ZZ25573		<20	0.07	<10	<10	79	<10	76
ZZ25574		<20	0.08	<10	<10	63	<10	66
ZZ25575		<20	0.07	<10	<10	82	<10	62
ZZ26021		20	0.12	<10	<10	70	<10	78
ZZ26022		<20	0.06	<10	<10	55	<10	19
ZZ26023		20	0.10	<10	<10	70	<10	63
ZZ26024		<20	0.01	<10	<10	37	<10	38
ZZ26025		<20	0.01	<10	<10	46	<10	71
ZZ26026		<20	0.01	<10	<10	55	<10	36
ZZ26027		<20	0.01	<10	<10	75	<10	62
ZZ26028		<20	0.04	<10	<10	81	<10	66
ZZ26029		<20	0.05	<10	<10	60	<10	56
ZZ26030		<20	0.04	<10	<10	74	<10	66
ZZ26031		<20	0.04	<10	<10	66	<10	109
ZZ26032		<20	0.03	<10	<10	68	<10	98
ZZ26033		<20	0.03	<10	<10	78	<10	98
ZZ26034		<20	0.08	<10	<10	61	<10	73
ZZ26035		<20	0.05	<10	<10	70	<10	81
ZZ26036		<20	0.06	<10	<10	67	<10	64
ZZ26037		<20	0.09	<10	<10	75	<10	60
ZZ26038		<20	0.08	<10	<10	69	<10	60
ZZ26039		<20	0.08	<10	<10	79	<10	79
ZZ26040		<20	0.07	<10	<10	84	<10	56
ZZ26041		<20	0.11	<10	<10	85	<10	65
ZZ26042		<20	0.08	<10	<10	84	<10	51
ZZ26043		<20	0.06	<10	<10	71	<10	52
ZZ26044		<20	0.09	<10	<10	81	<10	60
ZZ26045		<20	0.10	<10	<10	84	<10	64
ZZ26046		<20	0.08	<10	<10	86	<10	64
ZZ26047		<20	0.10	<10	<10	61	<10	63
ZZ26048		<20	0.06	<10	<10	63	<10	83
ZZ26049		<20	0.03	<10	<10	67	<10	103
ZZ26050		<20	0.06	<10	<10	74	<10	93
ZZ26076		20	0.10	<10	<10	77	<10	77



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg .02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
ZZ26077		0.34	0.005	<0.2	1.89	11	<10	180	0.5	<2	0.25	<0.5	5	25	13	3.03
ZZ26078		0.30	0.003	<0.2	2.93	7	<10	140	0.8	2	0.16	<0.5	13	28	12	3.73
ZZ26079		0.32	0.003	<0.2	1.81	9	<10	840	1.5	<2	0.31	<0.5	7	15	7	3.03
ZZ26080		0.26	0.003	0.4	2.56	14	<10	230	0.9	<2	0.22	<0.5	8	27	21	3.92
ZZ26081		0.40	0.003	<0.2	2.12	12	<10	220	0.6	<2	0.24	<0.5	7	26	11	3.94
ZZ26082		0.24	0.004	<0.2	3.09	16	<10	170	0.6	<2	0.19	<0.5	10	50	20	5.28
ZZ26083		0.28	0.004	0.2	2.71	10	<10	460	0.5	<2	0.64	<0.5	11	42	23	2.82
ZZ26084		0.28	0.002	<0.2	2.40	17	<10	240	<0.5	<2	0.49	<0.5	16	35	16	3.88
ZZ26085		0.40	0.004	0.3	2.29	35	<10	310	0.5	<2	0.25	0.5	8	40	33	3.85
ZZ26086		0.34	0.004	0.3	2.27	47	<10	380	<0.5	<2	0.25	<0.5	10	43	22	3.70
ZZ26087		0.22	0.003	0.2	2.16	32	<10	270	<0.5	<2	0.30	<0.5	10	46	23	2.88
ZZ26088		0.24	0.004	0.5	1.64	59	<10	390	<0.5	<2	0.27	0.5	17	46	30	3.94
ZZ26089		0.26	0.004	0.4	1.86	28	<10	240	<0.5	<2	0.18	<0.5	6	46	23	2.94
ZZ26090		0.22	0.004	0.3	1.86	34	<10	180	0.7	<2	0.13	<0.5	15	47	37	4.40
ZZ26091		0.20	0.002	<0.2	1.51	33	<10	170	<0.5	<2	0.10	<0.5	10	33	30	3.96
ZZ26092		0.46	0.002	0.3	2.35	13	<10	290	<0.5	<2	0.40	<0.5	12	39	27	3.53
ZZ26093		0.38	0.003	0.2	1.70	41	<10	340	<0.5	<2	0.29	<0.5	11	34	34	3.62
ZZ26094		0.38	0.001	<0.2	2.95	9	<10	250	0.5	2	0.51	<0.5	18	33	31	4.60
ZZ26095		0.28	0.002	<0.2	2.63	10	<10	160	0.5	<2	0.21	<0.5	12	32	22	3.30
ZZ26096		0.30	0.002	<0.2	3.30	9	<10	150	0.6	<2	0.16	<0.5	15	32	27	4.17
ZZ26097		0.32	0.003	<0.2	2.65	10	<10	120	0.5	<2	0.23	<0.5	12	36	21	4.07
ZZ26098		0.34	0.002	<0.2	2.86	9	<10	200	0.6	2	0.32	<0.5	14	36	29	4.01
ZZ26099		0.36	0.001	0.2	2.54	8	<10	170	<0.5	<2	0.43	<0.5	13	37	24	3.99
ZZ26100		0.32	0.002	0.2	2.95	10	<10	230	<0.5	<2	0.62	<0.5	14	38	32	4.53
ZZ26121		0.26	0.004	0.2	2.62	7	<10	290	0.6	<2	0.57	<0.5	15	39	41	3.99
ZZ26122		0.24	0.009	<0.2	2.87	13	<10	190	0.7	<2	0.24	<0.5	17	47	37	4.33
ZZ26123		0.26	0.006	0.4	3.21	13	<10	300	0.9	<2	0.70	<0.5	15	41	49	4.28
ZZ26124		0.32	0.002	0.2	2.74	13	<10	270	0.5	<2	0.59	<0.5	20	42	32	4.18
ZZ26125		0.26	0.004	0.3	2.13	4	<10	200	<0.5	<2	0.61	<0.5	6	32	16	2.39
ZZ26126		0.28	0.002	<0.2	1.97	14	<10	220	<0.5	<2	0.52	<0.5	9	48	17	3.04
ZZ26127		0.56	0.003	<0.2	1.84	21	<10	290	0.5	<2	0.35	<0.5	11	30	16	3.36
ZZ26128		0.44	0.006	0.2	1.72	76	<10	440	0.6	<2	0.51	<0.5	11	19	14	3.06
ZZ26129		0.28	0.002	0.2	2.23	2	<10	330	0.5	<2	0.48	<0.5	7	32	18	2.22
ZZ26130		0.36	0.003	0.3	2.37	8	<10	440	0.5	<2	0.72	<0.5	8	20	11	3.68
ZZ26131		0.42	0.004	0.2	2.57	14	<10	550	0.8	<2	0.60	<0.5	11	22	18	3.98
ZZ26132		0.40	0.004	0.5	3.15	8	<10	560	1.0	<2	0.59	<0.5	10	30	26	3.93
ZZ26133		0.50	0.002	<0.2	1.96	8	<10	250	0.5	<2	0.37	<0.5	11	23	11	3.31
ZZ26211		0.28	0.006	<0.2	2.18	5	<10	290	<0.5	<2	0.42	<0.5	13	28	17	3.09
ZZ26212		0.34	0.003	<0.2	1.62	5	<10	270	<0.5	<2	0.37	<0.5	9	26	21	2.79
ZZ26213		0.34	0.002	0.3	2.21	8	<10	340	0.6	2	0.40	<0.5	12	20	13	4.72



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ26077		10	<1	0.10	20	0.38	294	1	0.02	10	260	13	0.01	2	4	24
ZZ26078		10	<1	0.14	10	0.63	1060	<1	0.02	15	600	14	0.02	<2	5	11
ZZ26079		10	<1	0.18	30	0.38	736	<1	0.02	7	410	17	0.01	2	5	30
ZZ26080		10	<1	0.15	20	0.39	789	1	0.02	10	450	19	0.01	3	5	20
ZZ26081		10	<1	0.16	20	0.49	479	1	0.02	11	390	14	0.01	2	5	24
ZZ26082		10	<1	0.08	10	0.56	448	2	0.02	18	590	12	0.02	2	5	18
ZZ26083		10	<1	0.08	20	0.75	257	<1	0.03	19	880	10	0.08	2	8	38
ZZ26084		10	<1	0.07	10	0.89	649	1	0.03	13	1050	7	0.04	2	5	28
ZZ26085		10	<1	0.09	20	0.59	228	2	0.02	22	750	15	0.03	3	6	19
ZZ26086		10	<1	0.09	10	0.61	362	2	0.02	22	790	16	0.03	4	4	21
ZZ26087		10	<1	0.08	10	0.69	223	1	0.02	26	870	13	0.05	2	5	21
ZZ26088		10	<1	0.09	10	0.55	1020	4	0.02	27	1110	11	0.06	4	3	25
ZZ26089		10	<1	0.09	10	0.42	177	2	0.02	20	810	11	0.05	2	4	19
ZZ26090		10	<1	0.11	20	0.59	452	1	0.03	47	550	11	0.06	2	5	15
ZZ26091		10	<1	0.06	10	0.31	383	3	0.02	31	570	10	0.05	2	3	13
ZZ26092		10	<1	0.12	10	0.94	336	1	0.03	19	840	8	0.02	<2	7	24
ZZ26093		10	<1	0.15	10	0.66	294	3	0.02	22	890	8	0.17	2	5	33
ZZ26094		10	<1	0.11	20	1.36	786	<1	0.03	15	920	13	0.01	<2	9	27
ZZ26095		10	<1	0.08	10	0.66	467	<1	0.03	22	530	8	0.05	<2	4	17
ZZ26096		10	<1	0.12	10	0.99	750	<1	0.02	18	480	10	0.03	<2	9	12
ZZ26097		10	<1	0.09	10	0.89	488	<1	0.02	19	370	9	0.02	<2	6	16
ZZ26098		10	<1	0.11	20	0.87	678	1	0.03	18	770	9	0.03	<2	6	23
ZZ26099		10	<1	0.10	10	1.04	548	<1	0.03	15	650	8	0.02	<2	7	26
ZZ26100		10	<1	0.15	10	1.03	660	1	0.01	21	560	10	0.03	<2	10	36
ZZ26121		10	1	0.14	30	0.98	684	1	0.01	26	660	9	0.03	2	10	33
ZZ26122		10	<1	0.15	20	0.87	608	1	0.01	27	590	12	0.02	<2	8	18
ZZ26123		10	<1	0.12	40	0.88	744	1	0.01	24	1120	10	0.06	<2	9	46
ZZ26124		10	<1	0.11	10	1.04	1020	1	0.01	21	890	7	0.04	<2	8	34
ZZ26125		10	<1	0.07	10	0.58	211	1	0.01	14	860	7	0.08	2	4	44
ZZ26126		<10	<1	0.10	10	0.64	215	1	0.01	20	690	10	0.03	2	6	37
ZZ26127		<10	<1	0.13	20	0.55	579	1	<0.01	14	610	9	0.03	<2	6	29
ZZ26128		<10	<1	0.17	30	0.46	606	1	0.01	10	600	11	0.04	2	8	43
ZZ26129		10	<1	0.16	20	0.59	301	1	0.01	11	600	10	0.06	<2	8	38
ZZ26130		10	<1	0.17	30	0.68	1130	1	<0.01	9	790	13	0.05	2	12	44
ZZ26131		10	<1	0.19	30	0.60	719	1	0.01	12	770	13	0.05	<2	12	48
ZZ26132		10	<1	0.19	50	0.71	589	1	<0.01	15	1170	15	0.08	<2	15	47
ZZ26133		<10	<1	0.16	20	0.69	650	<1	0.01	11	550	10	0.02	<2	6	25
ZZ26211		10	<1	0.07	20	0.77	829	1	0.01	14	750	9	0.03	2	6	23
ZZ26212		<10	<1	0.08	20	0.63	372	2	0.01	16	610	9	0.01	<2	5	22
ZZ26213		10	<1	0.13	30	0.77	429	6	0.01	9	850	11	0.03	<2	8	21



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
ZZ26077		<20	0.07	<10	<10	76	<10	58
ZZ26078		20	0.09	<10	<10	61	<10	78
ZZ26079		20	0.04	<10	<10	43	<10	71
ZZ26080		20	0.02	<10	<10	71	<10	70
ZZ26081		20	0.09	<10	<10	79	<10	67
ZZ26082		<20	0.11	<10	<10	98	<10	66
ZZ26083		<20	0.08	<10	<10	86	<10	102
ZZ26084		<20	0.09	<10	<10	96	<10	92
ZZ26085		<20	0.06	<10	<10	72	<10	115
ZZ26086		<20	0.06	<10	<10	79	<10	128
ZZ26087		<20	0.07	<10	<10	78	<10	100
ZZ26088		<20	0.07	<10	<10	90	<10	116
ZZ26089		<20	0.05	<10	<10	78	<10	56
ZZ26090		<20	0.06	<10	<10	81	<10	119
ZZ26091		<20	0.07	<10	<10	99	<10	92
ZZ26092		<20	0.12	<10	<10	95	<10	95
ZZ26093		<20	0.08	<10	<10	83	<10	108
ZZ26094		<20	0.04	<10	<10	109	<10	88
ZZ26095		<20	0.09	<10	<10	72	<10	55
ZZ26096		<20	0.05	<10	<10	94	<10	67
ZZ26097		<20	0.10	<10	<10	88	<10	65
ZZ26098		<20	0.11	<10	<10	100	<10	69
ZZ26099		<20	0.10	<10	<10	106	<10	72
ZZ26100		<20	0.08	<10	<10	123	<10	98
ZZ26121		<20	0.08	<10	<10	103	<10	92
ZZ26122		<20	0.07	<10	<10	106	<10	77
ZZ26123		<20	0.06	<10	<10	103	<10	78
ZZ26124		<20	0.09	<10	<10	106	<10	85
ZZ26125		<20	0.06	<10	<10	59	<10	79
ZZ26126		<20	0.09	<10	<10	77	<10	67
ZZ26127		<20	0.07	<10	<10	69	<10	84
ZZ26128		<20	0.04	<10	<10	58	<10	63
ZZ26129		<20	0.12	<10	<10	78	<10	84
ZZ26130		20	0.06	<10	<10	89	<10	80
ZZ26131		<20	0.03	<10	<10	73	<10	82
ZZ26132		<20	0.05	<10	<10	91	<10	78
ZZ26133		<20	0.09	<10	<10	69	<10	68
ZZ26211		<20	0.08	<10	<10	76	<10	66
ZZ26212		<20	0.09	<10	<10	61	<10	56
ZZ26213		20	0.09	<10	<10	98	<10	86



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg .02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
ZZ26214		0.32	0.002	<0.2	1.70	8	<10	320	<0.5	<2	0.43	<0.5	8	20	11	3.19
ZZ26215		0.28	0.003	0.4	2.88	8	<10	810	1.0	<2	0.60	<0.5	13	32	45	4.06
ZZ26216		0.30	0.001	<0.2	2.01	7	<10	320	0.5	<2	0.35	<0.5	14	25	17	3.40
ZZ26217		0.34	0.007	0.2	2.10	9	<10	320	0.5	<2	0.41	<0.5	7	26	14	3.24
ZZ26218		0.28	0.003	<0.2	3.04	7	<10	530	1.0	<2	0.55	<0.5	13	35	36	4.11
ZZ26219		0.32	0.002	0.2	2.55	11	<10	450	0.8	<2	0.36	<0.5	13	28	29	3.88
ZZ26220		0.28	0.004	0.3	2.90	7	<10	570	1.1	<2	0.54	<0.5	12	32	36	3.97
ZZ26221		0.20	0.004	0.3	3.57	13	<10	620	1.2	<2	0.41	<0.5	12	39	34	3.82
ZZ26222		0.32	0.005	0.3	2.51	4	<10	500	0.7	<2	0.54	<0.5	9	34	23	3.23
ZZ26223		0.26	0.004	<0.2	2.17	7	<10	620	0.8	<2	0.62	<0.5	10	29	18	3.65
ZZ26224		0.24	0.004	0.7	2.67	5	<10	720	0.9	<2	0.55	<0.5	7	34	26	3.02
ZZ26225		0.28	0.003	<0.2	1.93	3	<10	320	0.5	<2	0.57	<0.5	8	32	18	2.53
ZZ26226		0.22	0.001	0.2	1.86	<2	<10	280	0.7	<2	0.57	<0.5	10	20	22	3.02
ZZ26227		0.30	0.002	<0.2	2.35	5	<10	160	<0.5	2	0.50	<0.5	9	29	15	2.62
ZZ26228		0.22	0.003	0.2	2.24	8	<10	130	0.5	<2	0.35	<0.5	7	28	16	3.35
ZZ26229		0.18	0.003	<0.2	2.42	11	<10	80	<0.5	<2	0.26	<0.5	10	29	24	3.04
ZZ26230		0.28	0.003	<0.2	1.94	10	<10	120	<0.5	<2	0.53	<0.5	11	34	24	2.61
ZZ26231		0.24	0.003	<0.2	2.32	6	<10	160	0.5	<2	0.47	<0.5	10	45	31	2.96
ZZ26232		0.26	0.003	<0.2	2.31	8	<10	140	0.6	<2	0.30	<0.5	11	41	29	2.89
ZZ26233		0.18	0.009	<0.2	1.86	9	<10	110	<0.5	<2	0.20	<0.5	9	33	23	2.94
ZZ26234		0.20	0.004	<0.2	2.36	14	<10	100	0.5	<2	0.22	<0.5	14	43	27	2.89
ZZ26235		0.18	0.003	0.2	2.06	10	<10	120	<0.5	<2	0.19	<0.5	9	57	56	3.70
ZZ26236		0.26	0.002	0.2	1.87	11	<10	130	0.5	<2	0.36	<0.5	13	34	42	3.30
ZZ26237		0.36	0.001	<0.2	2.81	2	<10	250	0.7	<2	0.42	<0.5	12	38	34	3.32
ZZ26238		0.28	0.001	<0.2	2.74	9	<10	560	0.8	<2	0.44	<0.5	18	26	24	5.38
ZZ26239		0.24	0.003	0.5	2.21	100	<10	940	0.8	<2	0.30	0.7	12	39	45	4.46
ZZ26240		0.24	0.002	0.6	1.21	121	<10	560	0.5	<2	0.18	1.0	15	39	53	4.26
ZZ26241		0.26	0.003	0.8	2.13	25	<10	400	0.5	<2	0.24	0.5	9	49	40	2.96
ZZ26242		0.24	0.004	0.4	2.01	100	<10	430	0.6	<2	0.27	0.5	18	36	21	5.02
ZZ26243		0.28	0.002	0.2	1.87	35	<10	130	<0.5	<2	0.47	<0.5	8	33	16	4.17
ZZ26244		0.28	0.003	0.2	2.18	44	<10	210	0.7	<2	0.33	<0.5	13	36	26	3.69
ZZ26245		0.22	0.003	0.4	1.83	34	<10	150	0.5	<2	0.24	<0.5	10	36	22	3.06
ZZ26246		0.24	0.003	0.4	1.51	37	<10	240	0.6	<2	0.39	<0.5	13	26	24	2.88
ZZ26247		0.24	0.003	0.3	1.79	38	<10	180	0.9	<2	0.21	<0.5	19	30	30	4.11
ZZ26248		0.24	0.004	0.3	1.27	58	<10	310	0.5	<2	0.40	<0.5	20	25	18	2.87
ZZ26249		0.34	0.002	<0.2	1.45	9	<10	260	0.7	<2	0.40	<0.5	8	23	9	3.15
ZZ26250		0.30	0.003	<0.2	1.34	6	<10	390	0.7	<2	0.94	0.6	7	24	18	2.55
ZZ26367		0.24	0.004	<0.2	1.55	29	<10	130	<0.5	<2	0.22	<0.5	7	31	14	2.35
ZZ26368		0.30	0.002	0.3	1.71	9	<10	390	0.5	<2	0.97	<0.5	7	21	16	2.74
ZZ26369		0.20	<0.001	<0.2	1.94	27	<10	250	0.8	<2	0.66	<0.5	12	32	22	3.58



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ26214		10	<1	0.14	20	0.73	310	1	0.01	8	1040	7	0.01	2	5	23
ZZ26215		10	<1	0.15	30	0.64	697	10	0.01	16	1580	11	0.10	2	9	61
ZZ26216		10	<1	0.11	20	0.64	812	4	0.01	12	730	10	0.05	2	6	27
ZZ26217		<10	<1	0.11	20	0.63	319	3	<0.01	14	680	10	0.03	<2	6	26
ZZ26218		10	<1	0.12	20	0.62	816	3	<0.01	22	1540	12	0.07	<2	7	41
ZZ26219		<10	<1	0.10	30	0.56	1080	2	<0.01	18	940	13	0.06	2	8	26
ZZ26220		<10	<1	0.11	50	0.58	712	2	0.01	17	1120	13	0.07	2	12	34
ZZ26221		10	<1	0.09	30	0.61	991	2	0.01	23	1160	13	0.09	<2	10	32
ZZ26222		10	<1	0.06	20	0.66	346	1	0.01	18	810	10	0.05	<2	7	30
ZZ26223		<10	<1	0.06	20	0.53	618	2	0.01	16	890	11	0.06	<2	7	42
ZZ26224		<10	1	0.12	40	0.45	514	1	<0.01	15	990	17	0.08	<2	11	37
ZZ26225		10	<1	0.06	20	0.66	277	<1	0.01	11	720	8	0.05	<2	8	29
ZZ26226		<10	<1	0.07	20	0.53	212	1	0.01	10	940	13	0.02	<2	10	25
ZZ26227		10	<1	0.06	10	0.73	246	<1	0.01	19	420	10	0.04	<2	5	27
ZZ26228		10	<1	0.04	10	0.39	286	1	<0.01	17	500	13	0.05	<2	3	28
ZZ26229		10	1	0.04	10	0.49	382	1	0.01	19	750	9	0.08	2	2	24
ZZ26230		<10	<1	0.07	10	0.65	450	<1	0.02	21	710	10	0.02	2	5	33
ZZ26231		10	1	0.08	10	0.65	284	<1	0.01	29	670	7	0.03	3	6	37
ZZ26232		10	<1	0.09	10	0.62	348	1	0.01	28	520	10	0.03	<2	4	26
ZZ26233		10	<1	0.06	10	0.46	373	1	0.02	21	480	9	0.05	2	3	21
ZZ26234		<10	<1	0.09	10	0.70	458	<1	0.03	31	430	4	0.05	<2	4	20
ZZ26235		10	<1	0.07	10	0.80	285	2	0.03	20	520	6	0.12	3	4	22
ZZ26236		<10	1	0.06	10	0.72	569	<1	0.03	23	720	11	0.03	<2	6	25
ZZ26237		10	<1	0.08	20	1.11	359	<1	0.03	20	580	10	0.03	<2	11	25
ZZ26238		10	1	0.10	30	1.48	737	<1	0.02	9	1440	8	0.02	2	12	16
ZZ26239		<10	<1	0.12	10	0.50	367	3	0.03	40	1070	58	0.05	6	6	29
ZZ26240		<10	<1	0.09	10	0.28	823	4	0.03	55	1080	17	0.09	3	2	22
ZZ26241		10	<1	0.09	10	0.64	210	2	0.03	29	980	14	0.06	2	6	20
ZZ26242		<10	<1	0.08	10	0.36	500	4	0.02	16	1840	19	0.08	2	5	17
ZZ26243		<10	1	0.11	20	0.59	384	1	0.03	17	1440	11	0.05	3	5	22
ZZ26244		<10	<1	0.12	20	0.59	664	2	0.03	24	760	14	0.04	<2	6	24
ZZ26245		<10	<1	0.09	20	0.47	529	2	0.03	21	780	9	0.07	2	4	21
ZZ26246		<10	<1	0.08	30	0.32	2380	2	0.03	19	1050	9	0.10	<2	5	27
ZZ26247		<10	<1	0.06	30	0.32	1175	2	0.03	16	860	15	0.06	<2	7	17
ZZ26248		<10	1	0.06	20	0.27	1870	2	0.03	15	1140	15	0.06	4	5	26
ZZ26249		<10	<1	0.22	30	0.50	702	1	0.03	10	380	13	0.03	<2	5	35
ZZ26250		<10	<1	0.14	20	0.36	631	1	0.03	14	650	20	0.06	<2	3	69
ZZ26367		<10	<1	0.06	10	0.42	244	1	0.02	15	550	17	0.05	<2	3	19
ZZ26368		<10	<1	0.10	30	0.60	296	2	0.03	11	970	9	0.09	<2	5	78
ZZ26369		<10	1	0.18	20	0.55	1030	2	0.03	18	500	17	0.04	2	7	41



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ26214		<20	0.09	<10	<10	82	<10	70
ZZ26215		<20	0.04	<10	10	84	<10	80
ZZ26216		<20	0.07	<10	<10	77	<10	76
ZZ26217		<20	0.05	<10	<10	69	<10	69
ZZ26218		<20	0.03	<10	<10	76	<10	72
ZZ26219		<20	0.03	<10	<10	69	<10	65
ZZ26220		<20	0.02	<10	<10	70	<10	67
ZZ26221		<20	0.02	<10	<10	79	<10	68
ZZ26222		<20	0.04	<10	10	68	<10	58
ZZ26223		<20	0.02	<10	10	66	<10	70
ZZ26224		<20	0.02	<10	<10	71	<10	76
ZZ26225		<20	0.09	<10	<10	73	<10	64
ZZ26226		<20	0.02	<10	<10	74	<10	68
ZZ26227		<20	0.07	<10	<10	62	<10	53
ZZ26228		<20	0.07	<10	<10	82	<10	49
ZZ26229		<20	0.07	<10	<10	70	<10	57
ZZ26230		<20	0.10	<10	<10	63	<10	53
ZZ26231		<20	0.11	<10	<10	70	<10	59
ZZ26232		<20	0.10	<10	<10	69	<10	65
ZZ26233		<20	0.10	<10	<10	73	<10	51
ZZ26234		<20	0.14	<10	<10	69	<10	59
ZZ26235		<20	0.13	<10	<10	104	<10	76
ZZ26236		<20	0.07	<10	<10	80	<10	65
ZZ26237		<20	0.06	<10	<10	85	<10	74
ZZ26238		<20	0.01	<10	<10	109	<10	96
ZZ26239		<20	0.02	<10	<10	74	<10	182
ZZ26240		<20	0.03	<10	<10	86	<10	166
ZZ26241		<20	0.06	<10	<10	84	<10	110
ZZ26242		<20	0.01	<10	<10	77	<10	84
ZZ26243		<20	0.03	<10	<10	69	<10	73
ZZ26244		<20	0.04	<10	<10	60	<10	74
ZZ26245		<20	0.06	<10	<10	58	<10	57
ZZ26246		<20	0.03	<10	<10	45	<10	54
ZZ26247		<20	0.03	<10	<10	50	<10	51
ZZ26248		<20	0.01	<10	<10	53	<10	57
ZZ26249		<20	0.11	<10	<10	56	<10	77
ZZ26250		<20	0.03	<10	<10	47	<10	86
ZZ26367		<20	0.06	<10	<10	63	<10	70
ZZ26368		<20	0.05	<10	10	60	<10	69
ZZ26369		<20	0.07	<10	<10	64	<10	67



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg .02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
ZZ26370		0.22	0.001	<0.2	1.49	9	<10	220	0.6	<2	0.47	<0.5	10	29	16	2.97
ZZ26381		0.20	0.001	0.2	1.25	30	<10	140	<0.5	<2	0.26	<0.5	4	25	12	1.68
ZZ26382		0.22	0.001	0.2	1.96	15	<10	440	0.5	<2	1.32	<0.5	11	28	18	3.05
ZZ26383		0.20	0.005	0.4	1.94	408	<10	550	0.7	<2	0.37	0.8	11	34	33	3.64
ZZ26384		0.16	0.001	0.2	1.44	173	<10	350	0.5	<2	0.36	2.9	9	34	23	2.87
ZZ26385		0.26	<0.001	0.2	1.68	57	<10	1140	1.2	<2	0.59	1.2	13	32	55	3.29
ZZ26386		0.22	0.020	0.2	1.57	17	10	280	0.5	<2	0.41	<0.5	10	30	24	2.88
ZZ26387		0.24	0.002	0.3	2.24	75	<10	260	1.1	<2	0.25	0.8	19	41	33	3.99
ZZ26388		0.24	0.002	0.3	1.96	50	<10	800	1.7	<2	0.90	0.6	19	37	40	4.49
ZZ26389		0.24	0.004	0.4	2.14	11	<10	170	1.3	<2	1.09	<0.5	13	49	36	3.17
ZZ26390		0.22	0.002	<0.2	2.04	20	<10	100	<0.5	<2	0.69	0.5	11	41	13	4.27
ZZ26401		0.32	0.005	<0.2	2.14	6	<10	230	<0.5	<2	0.51	<0.5	14	28	17	3.58
ZZ26402		0.32	0.002	<0.2	2.49	9	<10	160	0.5	<2	0.46	<0.5	13	32	19	3.64
ZZ26403		0.28	0.002	<0.2	2.07	6	<10	140	<0.5	<2	0.36	<0.5	10	28	10	2.53
ZZ26404		0.32	0.009	0.2	2.34	6	<10	210	0.6	<2	0.43	<0.5	13	33	27	3.17
ZZ26405		0.24	0.003	<0.2	2.16	15	<10	100	<0.5	<2	0.23	<0.5	11	22	18	3.34
ZZ26406		0.34	0.005	0.3	2.30	14	<10	300	0.5	<2	0.78	<0.5	21	32	23	5.04
ZZ26407		0.34	0.002	0.2	2.25	38	<10	230	<0.5	<2	0.89	<0.5	13	31	18	3.46
ZZ26408		0.20	0.023	0.5	1.48	15	<10	350	0.9	<2	0.30	0.6	3	20	29	1.76
ZZ26409		0.16	0.002	0.2	1.21	18	<10	270	<0.5	<2	0.12	0.5	2	19	21	1.51
ZZ26410		0.28	0.006	0.2	2.48	92	<10	260	0.9	<2	0.30	0.6	25	44	31	3.95
ZZ26421		0.28	0.004	0.4	2.08	35	<10	610	1.0	<2	0.61	<0.5	11	32	35	3.27
ZZ26422		Not Recvd														
ZZ26423		0.34	0.002	0.2	2.71	13	<10	350	0.6	<2	0.69	<0.5	12	35	24	3.89
ZZ26424		0.38	0.002	0.2	2.57	10	<10	240	<0.5	<2	0.35	<0.5	12	33	18	4.06
ZZ26425		0.38	0.004	0.2	2.74	10	<10	290	0.5	<2	0.71	<0.5	16	37	26	4.00
ZZ26426		0.30	<0.001	0.2	3.01	6	<10	200	0.5	<2	0.49	<0.5	15	27	22	4.27
ZZ26427		0.40	0.002	<0.2	2.81	10	<10	250	<0.5	<2	0.37	<0.5	14	31	14	3.96
ZZ26428		0.46	0.002	0.3	2.45	32	<10	450	0.5	<2	0.33	<0.5	14	61	34	3.81
ZZ26429		0.48	0.003	0.3	2.49	39	<10	260	0.7	<2	0.27	<0.5	12	50	39	3.98
ZZ26430		0.46	0.002	0.3	2.43	21	<10	360	0.5	<2	0.17	<0.5	12	41	22	3.96
ZZ26431		0.38	0.001	0.4	2.61	25	<10	430	0.6	<2	0.38	2.3	16	61	46	4.62
ZZ26432		0.24	0.003	0.5	1.57	43	<10	190	<0.5	<2	0.11	1.0	9	44	34	3.45
ZZ26433		0.20	0.002	0.3	1.72	35	<10	160	<0.5	<2	0.09	<0.5	5	38	34	3.78
ZZ26434		0.36	0.001	0.6	2.42	49	<10	510	0.6	<2	0.20	0.7	13	66	42	3.64
ZZ26435		0.36	0.006	0.5	2.36	23	<10	480	0.6	<2	0.43	0.7	15	56	39	3.66
ZZ26436		0.48	0.004	0.5	2.55	22	<10	420	0.8	<2	0.88	<0.5	14	42	38	3.35
ZZ26441		0.32	0.001	<0.2	2.15	10	<10	250	0.6	<2	0.35	<0.5	9	26	13	3.46
ZZ26442		0.40	0.006	0.3	2.33	11	<10	480	1.4	<2	0.72	<0.5	9	26	18	3.75
ZZ26443		0.28	0.005	0.5	2.21	8	<10	410	1.6	<2	0.43	<0.5	10	26	17	3.56



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ26370		<10	<1	0.22	10	0.41	1105	2	0.03	17	240	18	0.03	2	5	31
ZZ26381		<10	<1	0.06	10	0.30	150	1	0.03	11	730	15	0.07	2	2	24
ZZ26382		<10	<1	0.08	20	0.66	585	5	0.03	15	870	10	0.07	<2	5	113
ZZ26383		<10	<1	0.12	10	0.45	507	3	0.03	30	540	84	0.07	6	4	35
ZZ26384		<10	<1	0.10	10	0.36	374	3	0.03	29	700	26	0.05	5	3	29
ZZ26385		<10	<1	0.15	10	0.29	336	11	0.03	57	1900	19	0.12	6	4	52
ZZ26386		10	<1	0.13	10	0.45	390	2	0.02	21	380	18	0.04	2	3	26
ZZ26387		10	1	0.14	20	0.57	751	1	0.03	35	430	60	0.04	3	5	21
ZZ26388		<10	1	0.10	40	0.46	1130	5	0.03	36	980	18	0.07	6	9	51
ZZ26389		10	<1	0.07	50	0.64	674	1	0.03	28	780	16	0.09	<2	7	58
ZZ26390		10	<1	0.10	10	0.99	560	3	0.03	19	1640	11	0.05	<2	4	27
ZZ26401		10	<1	0.06	10	0.89	819	1	0.03	11	600	9	0.04	<2	6	31
ZZ26402		10	<1	0.09	20	0.91	344	<1	0.03	14	750	16	0.04	<2	7	27
ZZ26403		<10	<1	0.08	10	0.71	530	1	0.02	13	650	17	0.04	<2	5	22
ZZ26404		10	<1	0.08	20	0.86	366	<1	0.03	18	650	15	0.04	<2	7	26
ZZ26405		10	<1	0.07	10	0.74	485	1	0.01	8	500	11	0.01	<2	5	18
ZZ26406		10	1	0.10	20	0.86	1225	1	0.02	13	860	13	0.04	<2	9	45
ZZ26407		10	<1	0.08	10	0.88	593	1	0.02	13	900	15	0.04	<2	7	49
ZZ26408		10	<1	0.06	10	0.18	118	1	0.01	11	400	19	0.03	<2	3	29
ZZ26409		10	<1	0.05	10	0.10	244	2	0.01	8	520	18	0.02	<2	1	18
ZZ26410		10	1	0.13	20	0.74	1360	2	0.01	28	620	79	0.01	4	6	27
ZZ26421		10	1	0.12	30	0.53	872	2	0.01	23	790	16	0.05	<2	8	39
ZZ26422																
ZZ26423		10	1	0.14	20	0.87	555	1	0.02	19	550	9	0.02	<2	7	57
ZZ26424		10	1	0.09	10	0.70	678	3	0.01	15	470	10	0.01	<2	6	28
ZZ26425		10	1	0.08	10	0.93	777	1	0.02	16	980	10	0.04	<2	8	46
ZZ26426		10	1	0.12	10	1.10	680	1	0.01	11	320	10	0.01	<2	6	42
ZZ26427		10	1	0.08	10	0.92	526	1	0.02	14	270	8	0.01	<2	5	36
ZZ26428		10	<1	0.08	10	0.73	715	2	0.01	37	320	11	0.01	2	6	29
ZZ26429		10	1	0.21	10	0.74	543	2	0.01	29	500	11	0.01	<2	6	25
ZZ26430		10	1	0.11	10	0.58	536	2	0.01	26	460	11	0.01	<2	4	19
ZZ26431		10	1	0.17	10	0.99	960	2	0.01	37	780	11	0.01	2	6	29
ZZ26432		10	<1	0.08	10	0.40	514	4	0.01	32	870	17	0.03	2	2	14
ZZ26433		10	<1	0.07	10	0.30	220	3	0.01	23	470	15	0.04	2	3	14
ZZ26434		10	<1	0.13	10	0.64	407	5	0.01	42	940	18	0.04	3	4	21
ZZ26435		10	1	0.12	20	0.87	608	2	0.01	41	1170	14	0.03	<2	6	27
ZZ26436		10	<1	0.09	20	0.62	763	1	0.02	29	950	10	0.06	2	6	61
ZZ26441		10	<1	0.13	20	0.61	647	1	0.01	14	500	13	0.01	<2	5	34
ZZ26442		10	<1	0.19	110	0.62	807	1	0.01	15	840	17	0.04	<2	9	60
ZZ26443		10	1	0.13	80	0.45	1045	1	0.01	14	500	31	0.02	<2	5	40



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ26370		<20	0.07	<10	<10	57	<10	47
ZZ26381		<20	0.03	<10	<10	35	<10	51
ZZ26382		<20	0.08	<10	40	77	<10	74
ZZ26383		<20	0.03	<10	<10	67	<10	146
ZZ26384		<20	0.05	<10	<10	65	<10	156
ZZ26385		<20	0.01	<10	<10	123	<10	162
ZZ26386		<20	0.02	<10	<10	51	<10	67
ZZ26387		<20	0.03	<10	<10	58	<10	142
ZZ26388		<20	0.01	<10	<10	70	<10	136
ZZ26389		<20	0.03	<10	<10	54	<10	71
ZZ26390		<20	0.11	<10	<10	104	<10	147
ZZ26401		<20	0.09	<10	<10	95	<10	85
ZZ26402		<20	0.12	<10	<10	97	<10	82
ZZ26403		<20	0.06	<10	<10	67	<10	73
ZZ26404		<20	0.10	<10	<10	85	<10	77
ZZ26405		<20	0.07	<10	<10	102	<10	63
ZZ26406		<20	0.09	<10	<10	100	<10	75
ZZ26407		<20	0.09	<10	<10	83	<10	78
ZZ26408		<20	0.05	<10	<10	41	<10	35
ZZ26409		<20	0.03	<10	<10	41	<10	63
ZZ26410		<20	0.08	<10	<10	71	<10	237
ZZ26421		<20	0.02	<10	<10	59	<10	98
ZZ26422								
ZZ26423		<20	0.11	<10	<10	98	<10	83
ZZ26424		<20	0.06	<10	<10	98	<10	60
ZZ26425		<20	0.13	<10	<10	98	<10	79
ZZ26426		<20	0.05	<10	<10	101	<10	71
ZZ26427		<20	0.08	<10	<10	92	<10	65
ZZ26428		<20	0.08	<10	<10	90	<10	91
ZZ26429		<20	0.12	<10	<10	92	<10	78
ZZ26430		<20	0.07	<10	<10	88	<10	83
ZZ26431		<20	0.14	<10	<10	113	<10	106
ZZ26432		<20	0.08	<10	<10	112	<10	115
ZZ26433		<20	0.06	<10	<10	100	<10	77
ZZ26434		<20	0.03	<10	<10	96	<10	139
ZZ26435		<20	0.06	<10	<10	77	<10	136
ZZ26436		<20	0.05	<10	<10	73	<10	100
ZZ26441		<20	0.10	<10	<10	67	<10	77
ZZ26442		20	0.07	<10	<10	61	<10	89
ZZ26443		20	0.05	<10	<10	57	<10	84



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg .02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
ZZ26444		0.46	0.004	0.3	2.30	13	<10	440	1.4	<2	0.64	<0.5	9	35	23	3.79
ZZ26445		0.32	0.007	0.2	1.65	10	<10	260	0.8	<2	0.34	<0.5	8	22	12	3.23
ZZ26446	Not Recvd															
ZZ26447		0.28	0.005	0.4	1.96	10	<10	320	1.7	<2	0.25	<0.5	7	24	25	2.64
ZZ26448	Not Recvd															
ZZ26449		0.38	0.003	0.2	1.83	21	<10	240	0.8	<2	0.25	<0.5	9	26	13	3.58
ZZ26450		0.26	0.003	0.2	2.43	7	<10	270	<0.5	<2	0.36	<0.5	8	39	20	2.84
ZZ26451		0.34	0.008	0.2	2.34	6	<10	270	<0.5	<2	0.38	<0.5	8	40	19	2.53
ZZ26452		0.34	0.003	0.2	2.59	8	<10	330	<0.5	<2	0.37	<0.5	10	42	21	3.20
ZZ26453		0.38	0.003	0.2	2.46	18	<10	240	<0.5	<2	0.33	<0.5	11	46	20	3.46
ZZ26454		0.32	0.013	0.4	2.39	20	<10	270	<0.5	<2	0.34	<0.5	10	47	22	4.13
ZZ26455		0.34	0.003	0.4	2.62	19	<10	330	0.5	<2	0.38	<0.5	10	53	28	3.60
ZZ26456		0.30	0.004	0.5	2.53	33	<10	360	0.5	<2	0.35	<0.5	10	52	34	3.80
ZZ26457		0.24	0.005	1.1	2.93	12	<10	440	0.6	<2	0.48	0.6	11	55	42	3.26
ZZ26458		0.36	0.005	0.9	2.87	19	<10	330	0.5	<2	0.39	<0.5	12	55	35	4.11
ZZ26459		0.42	0.005	0.2	3.10	27	<10	480	0.7	<2	0.59	<0.5	12	50	48	4.50
ZZ26460		0.32	0.004	0.2	2.58	8	<10	220	<0.5	<2	0.64	<0.5	15	31	24	3.82
ZZ26461		0.36	0.003	<0.2	2.46	11	<10	150	<0.5	<2	0.41	<0.5	12	31	25	3.57
ZZ26462		0.38	0.002	<0.2	2.72	8	<10	210	0.5	<2	0.65	<0.5	13	31	27	3.73
ZZ26463		0.28	0.002	<0.2	2.24	8	<10	200	<0.5	2	0.44	<0.5	11	32	28	3.34
ZZ26464		0.42	0.003	0.2	2.24	10	<10	270	0.6	<2	0.38	<0.5	13	41	62	3.26
ZZ26465		0.30	0.004	0.3	2.37	10	<10	110	0.6	<2	0.13	<0.5	7	35	28	3.23
ZZ26466		0.24	0.003	0.2	2.48	12	<10	150	0.5	<2	0.22	<0.5	9	37	23	3.23
ZZ26467		0.26	0.003	0.2	2.31	9	<10	200	<0.5	<2	0.29	<0.5	10	37	27	3.44
ZZ26468		0.28	0.002	0.3	2.56	11	<10	190	0.5	<2	0.24	<0.5	10	40	23	3.67
ZZ26469		0.32	0.004	0.4	3.03	13	<10	350	0.8	<2	1.33	<0.5	12	45	52	3.13
ZZ26470		0.34	0.006	0.5	2.72	11	<10	350	0.7	<2	1.00	<0.5	12	45	48	3.25
ZZ26471		0.26	0.004	1.5	2.72	20	<10	820	0.7	<2	0.35	0.6	11	56	50	3.56
ZZ26472		0.46	0.003	0.6	3.26	22	<10	690	0.7	<2	0.78	<0.5	12	55	51	4.34
ZZ26473		0.34	0.004	0.4	3.26	12	<10	350	0.6	<2	0.77	<0.5	11	47	39	3.82
ZZ26474		0.52	0.004	0.3	2.20	8	<10	250	<0.5	<2	0.63	<0.5	10	44	24	3.02
ZZ26475		0.28	0.003	0.2	2.46	12	<10	190	<0.5	<2	0.51	<0.5	12	37	20	3.46
ZZ26476		0.44	0.003	0.2	2.52	10	<10	270	0.6	<2	0.58	<0.5	12	47	36	3.36
ZZ26477		0.38	0.004	0.3	2.56	16	<10	420	0.7	<2	0.49	<0.5	10	47	39	3.66
ZZ26478		0.26	0.003	0.3	2.38	18	<10	480	0.5	<2	0.64	0.5	25	43	30	3.87
ZZ26479		0.40	<0.001	<0.2	4.14	4	<10	340	0.9	<2	0.29	<0.5	19	23	23	4.36
ZZ26480		0.52	0.001	0.2	2.62	10	<10	260	<0.5	<2	0.23	<0.5	13	32	21	4.36
ZZ26481		0.48	0.006	<0.2	3.61	11	<10	260	0.6	<2	0.31	<0.5	14	36	28	4.20
ZZ26482		0.42	0.001	0.2	3.31	11	<10	230	0.6	<2	0.25	<0.5	13	40	23	4.39
ZZ26483		0.40	0.003	0.4	2.52	8	<10	490	0.9	<2	1.42	<0.5	10	33	35	3.22



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ26444		10	1	0.19	60	0.61	706	1	0.01	16	900	16	0.04	<2	9	52
ZZ26445		10	<1	0.21	50	0.55	573	<1	0.01	12	720	14	<0.01	<2	5	26
ZZ26446																
ZZ26447		10	1	0.11	80	0.30	671	1	0.01	13	590	16	0.02	<2	4	27
ZZ26448																
ZZ26449		10	1	0.17	30	0.51	899	1	0.01	15	600	16	0.02	2	5	23
ZZ26450		10	1	0.07	10	0.71	261	1	0.01	18	810	9	0.03	<2	7	24
ZZ26451		10	1	0.07	10	0.70	224	<1	0.01	17	740	8	0.03	<2	6	26
ZZ26452		10	1	0.07	10	0.79	393	<1	0.01	19	720	9	0.02	<2	7	25
ZZ26453		10	<1	0.08	10	0.78	273	1	0.01	22	800	10	0.02	<2	6	21
ZZ26454		10	<1	0.08	10	0.74	264	2	0.01	20	890	10	0.03	<2	6	23
ZZ26455		10	<1	0.10	20	0.77	255	1	0.01	25	950	10	0.03	<2	7	25
ZZ26456		10	1	0.10	20	0.79	258	1	0.01	26	800	11	0.04	<2	8	26
ZZ26457		10	1	0.14	10	0.88	337	2	0.02	31	990	11	0.06	<2	8	37
ZZ26458		10	<1	0.09	10	0.89	318	2	0.02	29	1010	12	0.03	<2	7	29
ZZ26459		10	<1	0.13	10	0.71	644	3	0.02	29	1430	11	0.09	<2	6	44
ZZ26460		10	<1	0.07	20	0.98	861	1	0.02	17	1080	9	0.06	<2	7	36
ZZ26461		10	1	0.08	10	0.81	565	<1	0.02	17	670	8	0.02	<2	6	29
ZZ26462		10	<1	0.07	10	0.97	541	<1	0.02	16	820	8	0.02	<2	7	43
ZZ26463		10	<1	0.07	10	0.78	477	1	0.03	19	810	7	0.01	<2	6	30
ZZ26464		10	<1	0.12	30	0.77	435	1	0.02	28	600	10	0.01	<2	8	29
ZZ26465		10	<1	0.06	10	0.46	253	1	0.02	18	330	10	0.03	<2	4	15
ZZ26466		10	1	0.09	10	0.59	288	1	0.02	22	440	9	0.03	<2	4	21
ZZ26467		10	<1	0.10	10	0.61	466	1	0.02	20	460	12	0.03	<2	5	26
ZZ26468		10	<1	0.11	20	0.52	423	1	0.02	20	330	11	0.02	<2	5	23
ZZ26469		10	1	0.09	30	0.64	564	1	0.03	29	1180	8	0.10	<2	6	62
ZZ26470		10	1	0.09	20	0.69	652	1	0.03	26	1060	9	0.08	<2	7	51
ZZ26471		10	<1	0.13	20	0.63	554	2	0.02	34	1160	11	0.07	<2	5	29
ZZ26472		10	1	0.16	20	0.83	676	2	0.02	32	1300	15	0.08	2	8	46
ZZ26473		10	1	0.12	10	0.89	510	1	0.03	25	950	9	0.06	<2	8	46
ZZ26474		10	<1	0.07	10	0.83	541	1	0.03	19	880	7	0.04	<2	6	36
ZZ26475		10	1	0.06	10	0.84	1015	1	0.02	17	950	10	0.05	<2	6	32
ZZ26476		10	<1	0.06	20	0.92	540	1	0.02	26	1010	11	0.05	<2	7	33
ZZ26477		10	<1	0.10	20	0.71	401	1	0.02	26	790	12	0.04	<2	8	28
ZZ26478		10	<1	0.08	10	0.65	1665	4	0.02	29	1340	10	0.06	2	6	38
ZZ26479		10	1	0.13	10	1.77	1450	1	0.01	9	460	12	0.02	<2	10	33
ZZ26480		10	<1	0.10	10	0.83	632	1	0.02	16	270	10	0.02	<2	8	20
ZZ26481		10	<1	0.11	10	0.94	528	1	0.02	22	350	11	0.02	<2	7	33
ZZ26482		10	<1	0.08	10	0.79	402	1	0.02	23	330	10	0.02	<2	6	23
ZZ26483		10	<1	0.11	30	0.78	419	1	0.02	14	1020	11	0.08	<2	9	61



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CERTIFICATE OF ANALYSIS WH11157701

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ26444		20	0.06	<10	<10	60	<10	109
ZZ26445		30	0.13	<10	<10	53	<10	81
ZZ26446								
ZZ26447		<20	0.04	<10	<10	48	<10	53
ZZ26448								
ZZ26449		20	0.08	<10	<10	54	<10	84
ZZ26450		<20	0.11	<10	<10	82	<10	90
ZZ26451		<20	0.12	<10	<10	78	<10	82
ZZ26452		<20	0.12	<10	<10	94	<10	90
ZZ26453		<20	0.10	<10	<10	100	<10	102
ZZ26454		<20	0.10	<10	<10	108	<10	96
ZZ26455		<20	0.10	<10	<10	104	<10	105
ZZ26456		<20	0.09	<10	<10	103	<10	102
ZZ26457		<20	0.11	<10	<10	92	<10	126
ZZ26458		<20	0.07	<10	<10	104	<10	115
ZZ26459		<20	0.04	<10	<10	111	<10	114
ZZ26460		<20	0.09	<10	<10	84	<10	64
ZZ26461		<20	0.14	<10	<10	90	<10	61
ZZ26462		<20	0.15	<10	<10	97	<10	68
ZZ26463		<20	0.11	<10	<10	79	<10	65
ZZ26464		<20	0.11	<10	<10	80	<10	98
ZZ26465		<20	0.09	<10	<10	73	<10	47
ZZ26466		<20	0.11	<10	<10	73	<10	58
ZZ26467		<20	0.11	<10	<10	79	<10	57
ZZ26468		<20	0.11	<10	<10	99	<10	58
ZZ26469		<20	0.06	<10	<10	67	<10	61
ZZ26470		<20	0.05	<10	<10	75	<10	69
ZZ26471		<20	0.05	<10	<10	76	<10	86
ZZ26472		<20	0.07	<10	<10	95	<10	107
ZZ26473		<20	0.10	<10	<10	93	<10	90
ZZ26474		<20	0.11	<10	<10	82	<10	70
ZZ26475		<20	0.10	<10	<10	89	<10	66
ZZ26476		<20	0.07	<10	<10	89	<10	86
ZZ26477		<20	0.07	<10	<10	79	<10	94
ZZ26478		<20	0.05	<10	<10	85	<10	101
ZZ26479		<20	<0.01	<10	<10	72	<10	63
ZZ26480		<20	0.06	<10	<10	98	<10	68
ZZ26481		<20	0.11	<10	<10	103	<10	67
ZZ26482		<20	0.11	<10	<10	105	<10	67
ZZ26483		<20	0.03	<10	<10	65	<10	64



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CERTIFICATE OF ANALYSIS WH11157701

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg .02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
ZZ26484		0.26	0.004	0.4	2.65	11	<10	470	0.8	<2	1.13	<0.5	10	34	32	3.02
ZZ26485		0.40	0.002	0.2	2.31	17	<10	340	0.5	<2	0.77	<0.5	11	33	26	3.05
ZZ26486		0.34	0.003	0.3	2.48	13	<10	400	0.6	<2	0.87	<0.5	10	34	31	3.12
ZZ26487		0.40	0.002	0.2	2.18	16	<10	450	0.6	<2	0.42	<0.5	15	45	45	3.96
ZZ26488		0.38	0.006	0.2	1.78	44	<10	610	0.6	<2	0.46	<0.5	11	32	34	3.68
ZZ26489		0.14	0.007	0.3	1.96	71	<10	670	0.6	<2	0.70	<0.5	10	32	37	3.34
ZZ26490		0.18	0.002	0.4	2.10	24	<10	830	1.0	<2	0.60	3.2	12	31	50	3.01
ZZ26491		0.32	0.003	0.4	2.46	14	<10	360	0.6	<2	0.88	<0.5	11	44	41	3.16
ZZ26492		0.40	0.004	0.5	2.79	14	<10	360	0.5	<2	1.01	<0.5	9	47	41	3.27
ZZ26493		0.38	0.001	<0.2	1.54	10	<10	440	0.5	<2	0.54	<0.5	8	16	14	3.09
ZZ26494		0.42	0.002	0.2	2.23	13	<10	460	0.5	<2	0.62	<0.5	12	34	15	3.29
ZZ26495		0.46	0.002	0.2	2.21	10	<10	250	0.6	<2	0.43	<0.5	11	36	13	4.12
ZZ26496		0.36	0.009	<0.2	2.00	<2	<10	260	<0.5	<2	0.44	<0.5	10	28	12	3.04
ZZ26497		0.28	0.003	0.2	2.05	8	<10	540	0.5	<2	0.94	<0.5	11	28	27	2.63



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ26484		10	1	0.11	40	0.53	620	1	0.02	16	950	8	0.07	<2	9	62
ZZ26485		10	<1	0.10	10	0.60	537	1	0.02	18	430	8	0.02	<2	6	44
ZZ26486		10	<1	0.09	20	0.61	474	1	0.02	18	580	8	0.04	<2	8	54
ZZ26487		10	<1	0.09	20	0.68	1030	1	0.02	25	830	12	0.02	<2	7	32
ZZ26488		<10	1	0.09	10	0.40	417	2	0.02	21	970	11	0.03	4	7	32
ZZ26489		10	1	0.15	10	0.45	596	2	0.02	24	890	12	0.06	2	6	56
ZZ26490		10	1	0.15	30	0.38	836	2	0.02	27	640	14	0.05	<2	5	54
ZZ26491		10	1	0.10	20	0.68	475	1	0.03	26	710	9	0.05	<2	8	48
ZZ26492		10	1	0.11	20	0.67	428	1	0.03	26	880	8	0.07	<2	7	55
ZZ26493		10	<1	0.10	20	0.37	538	1	0.02	7	730	11	0.04	<2	6	38
ZZ26494		10	1	0.13	10	0.67	604	<1	0.02	17	660	14	0.03	2	6	43
ZZ26495		10	<1	0.09	20	0.73	303	<1	0.02	16	660	12	0.01	<2	6	26
ZZ26496		10	<1	0.10	20	0.72	408	<1	0.02	13	640	12	0.01	<2	7	27
ZZ26497		10	1	0.09	20	0.49	629	1	0.02	14	1180	10	0.09	<2	5	70



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ26484		<20	0.03	<10	<10	56	<10	61
ZZ26485		<20	0.07	<10	<10	64	<10	61
ZZ26486		<20	0.06	<10	<10	65	<10	65
ZZ26487		<20	0.05	<10	<10	82	<10	90
ZZ26488		<20	0.03	<10	<10	62	<10	64
ZZ26489		<20	0.03	<10	<10	64	<10	93
ZZ26490		<20	0.04	<10	<10	64	<10	98
ZZ26491		<20	0.06	<10	<10	71	<10	69
ZZ26492		<20	0.06	<10	<10	74	<10	74
ZZ26493		<20	0.02	<10	<10	53	<10	71
ZZ26494		<20	0.06	<10	<10	74	<10	94
ZZ26495		<20	0.09	<10	<10	84	<10	64
ZZ26496		<20	0.12	<10	<10	73	<10	78
ZZ26497		<20	0.04	<10	<10	57	<10	62



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P.O. No.:

This report is for 267 Soil samples submitted to our lab in Whitehorse, YT, Canada on 5- AUG- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
ZZ25734		0.32	0.011	<0.2	1.43	5	<10	120	0.5	<2	0.38	0.5	8	30	24	2.53
ZZ25735		0.26	0.005	0.2	1.55	7	<10	80	0.7	<2	0.22	0.6	8	30	21	2.71
ZZ25736		0.22	0.005	<0.2	1.60	7	<10	80	0.5	<2	0.16	0.5	6	26	16	3.07
ZZ25737		0.26	0.003	0.2	1.09	8	<10	120	<0.5	<2	0.23	0.6	7	24	22	3.02
ZZ25738		0.26	0.005	<0.2	2.73	7	<10	100	0.6	<2	0.20	0.6	12	35	27	2.99
ZZ25739		0.28	0.002	0.2	1.60	5	<10	140	<0.5	<2	0.10	<0.5	5	21	18	2.80
ZZ25740		0.32	0.006	<0.2	1.23	14	<10	160	0.5	<2	0.30	0.5	8	27	13	2.34
ZZ25741		0.26	0.005	0.4	2.18	20	<10	430	1.0	<2	0.39	0.7	11	39	21	3.37
ZZ25742		0.26	0.006	0.4	2.67	10	<10	550	1.0	<2	0.62	0.8	12	43	28	3.83
ZZ25743		0.26	0.011	0.4	1.97	10	<10	460	0.7	<2	0.38	0.9	8	35	19	3.39
ZZ25744		0.22	0.006	0.2	2.03	5	<10	230	0.8	<2	0.28	0.6	9	34	19	3.12
ZZ25745		0.26	0.006	0.3	1.49	6	<10	230	0.6	<2	0.15	0.7	9	24	13	2.94
ZZ25746		0.20	0.008	0.5	1.87	15	<10	910	0.7	<2	0.59	0.8	12	27	15	4.19
ZZ25747		0.36	0.010	1.8	1.21	163	<10	670	0.6	2	0.56	0.6	8	23	22	3.03
ZZ25748		0.34	0.003	0.4	1.63	18	<10	480	0.6	<2	0.33	0.7	10	31	20	3.09
ZZ25749		0.30	0.009	0.3	1.74	22	<10	330	0.5	<2	0.39	0.8	12	32	20	5.36
ZZ25750		0.16	0.009	0.5	1.57	32	<10	560	0.5	<2	0.47	0.9	23	27	14	4.54
ZZ25751		0.24	0.004	0.5	3.30	32	<10	210	1.1	<2	0.36	0.8	25	108	55	4.88
ZZ25752		0.28	0.004	0.2	2.80	6	<10	210	0.5	<2	0.40	0.6	16	80	45	3.55
ZZ25753		0.36	0.006	<0.2	2.08	9	<10	150	0.6	<2	0.26	0.6	37	643	27	3.02
ZZ25754		0.26	0.002	0.3	2.40	36	<10	160	0.6	<2	0.44	0.7	13	89	25	5.56
ZZ25755		0.22	0.003	0.2	1.96	13	<10	170	0.5	<2	0.51	0.6	13	60	21	3.13
ZZ25756		0.20	0.002	0.4	2.24	15	<10	260	0.7	<2	0.56	2.1	14	119	37	2.57
ZZ25757		0.18	0.002	0.2	1.69	18	<10	300	0.9	<2	0.62	0.7	28	97	12	4.21
ZZ25758		0.28	0.001	0.2	1.86	6	<10	460	1.1	<2	0.39	0.5	15	39	19	3.23
ZZ25759		0.28	0.003	<0.2	2.75	15	<10	240	0.9	<2	0.26	0.7	14	50	18	3.82
ZZ25760		0.20	0.002	<0.2	1.89	7	<10	350	0.8	<2	0.33	0.6	12	34	14	3.53
ZZ25761		0.14	0.004	<0.2	1.99	7	<10	690	1.3	<2	0.75	<0.5	10	21	17	3.56
ZZ25762		0.22	0.003	<0.2	2.13	6	<10	600	1.2	<2	0.63	<0.5	9	25	17	3.52
ZZ25763		0.22	0.001	<0.2	2.31	4	<10	450	0.9	<2	0.29	<0.5	11	14	6	4.21
ZZ25764		0.26	0.002	<0.2	1.68	3	<10	630	1.1	<2	0.15	<0.5	9	12	7	2.98
ZZ25765		0.20	0.001	<0.2	1.46	5	<10	350	0.6	<2	0.25	<0.5	11	35	8	3.21
ZZ25766		0.16	0.004	<0.2	0.98	4	<10	360	0.6	<2	0.21	<0.5	9	17	14	2.62
ZZ25767		0.30	0.005	0.2	2.77	10	<10	810	1.4	<2	0.50	<0.5	12	35	34	3.61
ZZ25768		0.16	0.001	<0.2	2.47	6	<10	270	0.8	<2	0.13	<0.5	10	23	13	4.52
ZZ25769		0.26	0.002	<0.2	2.49	12	<10	190	0.6	<2	0.17	<0.5	13	31	18	3.39
ZZ25770		0.16	0.002	<0.2	1.65	6	<10	170	0.5	<2	0.06	<0.5	6	16	7	3.38
ZZ25771		0.24	0.003	<0.2	1.58	4	<10	560	1.3	<2	0.48	<0.5	8	15	13	3.38
ZZ25772		0.18	0.002	<0.2	1.56	6	<10	220	0.5	<2	0.13	<0.5	6	19	9	3.38
ZZ25773		0.32	0.004	<0.2	2.61	8	<10	360	0.9	<2	0.22	<0.5	11	37	22	3.60



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ25734		<10	<1	0.07	10	0.48	484	<1	0.03	18	800	10	0.03	<2	4	26
ZZ25735		<10	<1	0.10	10	0.41	699	1	0.02	21	440	26	0.05	2	3	21
ZZ25736		10	<1	0.05	10	0.33	336	1	0.02	16	230	12	0.03	<2	3	17
ZZ25737		10	<1	0.08	10	0.23	501	2	0.02	17	460	12	0.05	<2	2	24
ZZ25738		10	<1	0.07	10	0.59	429	<1	0.02	28	370	9	0.04	<2	4	18
ZZ25739		10	1	0.05	10	0.14	616	2	0.02	11	320	12	0.04	2	2	16
ZZ25740		<10	<1	0.09	20	0.39	613	<1	0.02	16	530	20	0.03	<2	3	23
ZZ25741		10	<1	0.10	10	0.52	1145	1	0.02	21	860	24	0.06	2	4	36
ZZ25742		10	<1	0.11	20	0.55	1240	1	0.02	24	1270	20	0.10	<2	6	49
ZZ25743		10	<1	0.11	10	0.44	687	1	0.02	18	460	26	0.04	2	4	32
ZZ25744		10	<1	0.10	20	0.52	876	1	0.02	20	580	17	0.03	2	4	24
ZZ25745		<10	<1	0.09	20	0.27	1110	1	0.02	15	500	28	0.04	<2	3	15
ZZ25746		10	<1	0.18	20	0.41	1510	2	0.03	13	760	20	0.08	4	7	44
ZZ25747		<10	<1	0.15	20	0.33	1080	7	0.03	19	590	25	0.18	12	5	59
ZZ25748		<10	<1	0.11	20	0.47	604	1	0.02	24	560	19	0.03	4	4	29
ZZ25749		10	<1	0.09	20	0.49	392	2	0.02	18	840	14	0.05	3	5	29
ZZ25750		10	<1	0.10	20	0.39	2930	1	0.02	15	870	16	0.06	3	5	35
ZZ25751		10	<1	0.24	20	1.23	1245	5	0.03	82	770	7	0.05	<2	9	27
ZZ25752		10	<1	0.13	20	1.04	263	<1	0.03	65	610	5	0.02	3	8	26
ZZ25753		<10	<1	0.07	10	3.20	432	<1	0.02	423	310	<2	0.02	<2	9	21
ZZ25754		10	<1	0.09	10	0.75	240	2	0.03	38	960	9	0.03	2	6	26
ZZ25755		10	<1	0.09	10	0.65	629	1	0.02	34	950	7	0.03	3	6	27
ZZ25756		10	<1	0.07	20	1.06	477	1	0.02	103	1100	13	0.09	3	8	36
ZZ25757		<10	<1	0.10	20	1.15	954	4	0.03	132	1420	23	0.06	3	6	44
ZZ25758		10	<1	0.14	50	0.61	1495	2	0.02	53	780	14	0.04	<2	7	39
ZZ25759		10	<1	0.14	10	0.73	550	1	0.02	58	360	11	0.02	2	6	27
ZZ25760		10	<1	0.14	20	0.61	858	1	0.02	35	620	13	0.03	2	6	32
ZZ25761		10	<1	0.20	80	0.46	844	<1	0.02	12	1020	14	0.06	<2	8	88
ZZ25762		10	<1	0.25	40	0.57	669	<1	0.02	14	650	13	0.05	<2	9	65
ZZ25763		10	<1	0.44	20	0.74	816	<1	0.02	8	940	12	0.02	<2	6	18
ZZ25764		<10	<1	0.19	30	0.33	1050	<1	0.01	7	590	16	0.02	<2	5	20
ZZ25765		<10	<1	0.10	10	0.47	726	<1	0.01	28	360	17	0.02	<2	4	34
ZZ25766		<10	<1	0.10	20	0.25	900	<1	0.01	12	530	36	0.02	2	3	33
ZZ25767		10	<1	0.11	80	0.59	821	<1	0.01	21	1370	14	0.04	<2	8	54
ZZ25768		10	1	0.23	20	0.57	715	<1	0.01	10	700	13	0.02	<2	7	15
ZZ25769		10	<1	0.12	10	0.62	362	<1	0.01	24	300	9	0.02	<2	5	18
ZZ25770		10	1	0.07	10	0.21	400	<1	0.01	8	330	9	0.02	<2	2	12
ZZ25771		<10	<1	0.22	40	0.44	789	<1	0.02	10	790	16	0.03	<2	9	71
ZZ25772		10	<1	0.11	10	0.27	397	<1	0.01	9	280	17	0.02	<2	3	14
ZZ25773		10	1	0.10	30	0.62	543	<1	0.02	19	310	10	0.02	<2	7	24



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ25734		<20	0.10	<10	<10	62	<10	55
ZZ25735		<20	0.09	<10	<10	55	<10	65
ZZ25736		<20	0.09	<10	<10	71	<10	51
ZZ25737		<20	0.10	<10	<10	88	<10	74
ZZ25738		<20	0.10	<10	<10	64	<10	58
ZZ25739		<20	0.04	<10	<10	79	<10	71
ZZ25740		<20	0.10	<10	<10	53	<10	57
ZZ25741		<20	0.07	<10	<10	66	<10	94
ZZ25742		<20	0.06	<10	<10	72	<10	103
ZZ25743		<20	0.07	<10	<10	66	<10	96
ZZ25744		<20	0.09	<10	<10	59	<10	70
ZZ25745		<20	0.04	<10	<10	45	<10	68
ZZ25746		<20	0.03	<10	<10	70	<10	92
ZZ25747		<20	0.04	<10	<10	44	<10	61
ZZ25748		<20	0.07	<10	<10	58	<10	82
ZZ25749		<20	0.07	<10	<10	70	<10	77
ZZ25750		<20	0.04	<10	<10	63	<10	73
ZZ25751		<20	0.18	<10	<10	122	<10	131
ZZ25752		<20	0.14	<10	<10	78	<10	60
ZZ25753		<20	0.06	<10	<10	69	<10	40
ZZ25754		<20	0.07	<10	<10	93	<10	93
ZZ25755		<20	0.07	<10	<10	75	<10	91
ZZ25756		<20	0.03	<10	<10	65	<10	125
ZZ25757		<20	0.03	<10	<10	53	<10	76
ZZ25758		<20	0.05	<10	<10	54	<10	74
ZZ25759		<20	0.08	<10	<10	67	<10	66
ZZ25760		<20	0.08	<10	<10	60	<10	85
ZZ25761		<20	0.03	<10	<10	54	<10	82
ZZ25762		20	0.06	<10	10	55	<10	77
ZZ25763		<20	0.16	<10	<10	74	<10	76
ZZ25764		20	0.04	<10	<10	41	<10	61
ZZ25765		<20	0.02	<10	<10	49	<10	58
ZZ25766		<20	0.02	<10	<10	39	<10	69
ZZ25767		<20	0.03	<10	<10	63	<10	61
ZZ25768		<20	0.11	<10	<10	79	<10	84
ZZ25769		<20	0.10	<10	<10	64	<10	60
ZZ25770		<20	0.02	<10	<10	55	<10	54
ZZ25771		20	0.06	<10	10	55	<10	72
ZZ25772		<20	0.04	<10	<10	58	<10	45
ZZ25773		20	0.08	<10	<10	69	<10	59



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ25774		0.30	0.002	<0.2	2.30	6	<10	140	0.7	<2	0.13	<0.5	8	27	14	3.41
ZZ25775		0.34	0.007	<0.2	2.41	6	<10	290	0.7	<2	0.46	<0.5	8	38	23	3.42
ZZ25776		0.28	0.002	<0.2	2.35	7	<10	220	0.9	<2	0.24	<0.5	11	26	16	3.42
ZZ25777		0.26	0.006	<0.2	2.24	6	<10	270	0.9	<2	0.21	<0.5	11	18	12	4.02
ZZ25778		0.22	0.003	<0.2	2.16	5	<10	230	0.9	<2	0.28	<0.5	12	17	11	3.60
ZZ25779		0.20	0.002	<0.2	1.61	7	<10	180	0.7	<2	0.22	<0.5	16	22	12	3.99
ZZ25780		0.24	0.002	<0.2	1.91	5	<10	230	0.9	<2	0.39	<0.5	7	21	12	3.68
ZZ25781		0.32	0.003	<0.2	2.46	10	<10	270	0.7	<2	0.27	<0.5	10	35	24	3.22
ZZ25782		0.20	0.001	<0.2	1.50	5	<10	210	<0.5	<2	0.35	<0.5	7	21	9	3.05
ZZ25783		0.36	0.003	<0.2	2.39	9	<10	280	0.7	<2	0.50	<0.5	11	36	20	3.82
ZZ25784		0.38	0.001	0.2	1.86	4	<10	260	0.9	<2	0.48	<0.5	7	19	14	3.42
ZZ25785		0.26	0.001	<0.2	1.80	3	<10	280	<0.5	<2	0.53	<0.5	7	18	6	3.04
ZZ25786		0.28	0.004	0.2	2.00	7	<10	260	0.6	<2	0.37	<0.5	8	29	12	3.23
ZZ25787		0.18	0.006	<0.2	1.48	12	<10	100	<0.5	<2	0.17	<0.5	6	25	8	3.50
ZZ25788		0.20	0.003	0.2	2.50	7	<10	440	0.9	<2	0.63	<0.5	8	32	30	3.49
ZZ25789		0.10	0.003	<0.2	1.38	<2	<10	370	0.7	<2	0.41	<0.5	4	22	16	1.29
ZZ25790		0.32	0.001	<0.2	1.85	13	<10	350	0.7	<2	0.43	<0.5	6	30	12	2.88
ZZ25791		0.22	0.002	<0.2	1.90	40	<10	220	0.6	<2	0.13	<0.5	10	25	14	3.13
ZZ25792		0.18	0.003	<0.2	1.76	22	<10	130	<0.5	<2	0.12	0.5	5	28	13	2.69
ZZ25793		0.32	0.003	<0.2	2.72	28	<10	290	1.1	<2	0.26	<0.5	11	44	25	3.82
ZZ25794		0.18	0.006	<0.2	2.97	95	<10	400	2.5	<2	0.10	<0.5	8	40	61	4.62
ZZ25795		0.30	0.008	0.3	1.92	55	<10	270	0.8	<2	0.31	<0.5	8	35	24	3.48
ZZ25796		0.32	0.002	<0.2	2.58	67	<10	240	0.6	<2	0.31	<0.5	16	86	29	3.77
ZZ25797		0.18	0.005	0.6	2.12	118	<10	330	1.5	<2	0.81	<0.5	26	104	62	5.30
ZZ25798		0.20	0.002	<0.2	1.49	83	<10	210	<0.5	2	0.66	<0.5	14	53	16	3.13
ZZ25799		0.18	0.006	0.2	1.96	21	<10	150	0.5	<2	0.47	<0.5	10	44	28	3.35
ZZ25800		0.38	0.010	0.2	2.08	29	<10	170	0.7	<2	0.46	<0.5	11	49	40	4.54
ZZ25801		0.26	0.009	0.4	1.41	6	<10	120	<0.5	<2	0.17	<0.5	6	25	6	1.92
ZZ25802		0.10	0.001	<0.2	1.03	5	<10	90	<0.5	<2	0.18	<0.5	8	19	19	1.85
ZZ25803		0.30	0.002	<0.2	2.64	14	<10	140	0.5	<2	0.14	<0.5	11	35	15	4.02
ZZ25804		0.34	0.004	<0.2	1.60	12	<10	80	<0.5	<2	0.13	<0.5	7	23	13	3.13
ZZ25805		0.14	0.012	0.7	1.51	24	<10	510	0.9	<2	1.10	0.7	80	70	72	5.16
ZZ25806		0.26	0.001	<0.2	2.02	47	<10	200	0.5	<2	0.54	<0.5	23	80	22	9.18
ZZ25807		0.42	0.002	0.2	2.67	23	<10	280	0.5	<2	0.46	<0.5	18	85	26	3.78
ZZ25808		0.32	0.003	0.3	2.88	30	<10	290	0.7	<2	0.30	<0.5	17	78	35	4.09
ZZ25809		0.18	0.003	0.2	1.87	21	<10	160	0.7	<2	0.15	<0.5	10	34	25	2.99
ZZ25810		0.38	0.003	0.2	2.43	11	<10	270	0.8	<2	0.25	<0.5	22	41	18	3.57
ZZ25811		0.34	0.002	<0.2	1.53	6	<10	370	0.5	<2	0.24	<0.5	8	23	13	3.04
ZZ25812		0.34	0.002	<0.2	1.89	10	<10	190	0.6	<2	0.14	<0.5	11	24	10	4.28
ZZ25813		0.36	0.003	0.4	2.98	5	<10	690	1.9	<2	0.59	<0.5	13	29	29	4.65



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ25774		10	<1	0.12	10	0.45	476	<1	0.01	14	260	13	0.02	<2	5	17
ZZ25775		10	<1	0.11	30	0.66	368	<1	0.02	20	740	10	0.02	<2	8	40
ZZ25776		10	<1	0.20	20	0.66	744	<1	0.01	16	360	12	0.02	<2	6	23
ZZ25777		10	<1	0.24	20	0.60	750	2	0.01	7	550	16	0.02	<2	6	26
ZZ25778		10	<1	0.19	10	0.43	614	<1	0.01	10	950	12	0.02	<2	6	24
ZZ25779		10	<1	0.19	20	0.51	1655	<1	0.01	11	710	22	0.02	<2	5	19
ZZ25780		10	<1	0.15	50	0.46	331	<1	0.01	10	930	14	0.03	<2	9	34
ZZ25781		10	<1	0.10	10	0.66	530	<1	0.02	23	430	10	0.02	<2	6	25
ZZ25782		10	1	0.17	10	0.55	627	<1	0.01	9	360	11	0.02	<2	4	31
ZZ25783		10	<1	0.23	30	0.84	685	<1	0.02	19	860	11	0.02	<2	7	38
ZZ25784		10	<1	0.37	40	0.68	612	<1	0.02	7	1090	14	0.01	<2	7	33
ZZ25785		10	<1	0.27	30	0.64	984	1	0.02	6	980	9	0.02	<2	4	37
ZZ25786		10	<1	0.14	40	0.66	378	1	0.02	13	800	13	0.02	<2	5	31
ZZ25787		10	<1	0.10	10	0.51	353	2	0.01	10	290	11	0.01	<2	4	17
ZZ25788		10	1	0.17	50	0.77	314	1	0.02	20	1030	12	0.05	<2	10	59
ZZ25789		<10	<1	0.10	40	0.29	145	<1	0.01	9	700	11	0.08	<2	6	44
ZZ25790		10	<1	0.13	30	0.33	156	1	0.02	17	1100	15	0.02	<2	6	48
ZZ25791		<10	<1	0.14	10	0.35	353	2	0.02	18	300	20	0.17	<2	4	58
ZZ25792		10	<1	0.07	10	0.31	177	1	0.01	14	230	19	0.06	<2	3	17
ZZ25793		10	<1	0.09	10	0.61	564	2	0.01	25	310	18	0.02	<2	7	31
ZZ25794		10	<1	0.20	40	0.35	500	18	0.02	21	380	68	0.17	4	8	40
ZZ25795		10	<1	0.12	10	0.38	241	30	0.01	18	610	35	0.02	6	6	38
ZZ25796		10	1	0.11	10	0.66	475	6	0.01	45	290	13	0.01	<2	6	30
ZZ25797		10	<1	0.15	60	0.47	555	6	0.01	53	820	9	0.03	<2	23	45
ZZ25798		<10	<1	0.10	10	0.48	482	4	0.01	19	820	7	0.01	<2	6	36
ZZ25799		10	<1	0.09	10	0.65	206	3	0.01	11	1040	10	0.01	<2	7	29
ZZ25800		10	<1	0.09	20	0.70	213	3	0.01	12	1260	11	0.02	3	8	28
ZZ25801		10	<1	0.08	10	0.31	122	3	<0.01	10	570	34	0.02	2	2	16
ZZ25802		<10	1	0.04	<10	0.20	603	2	0.02	10	730	6	0.11	<2	1	19
ZZ25803		10	<1	0.06	10	0.42	503	3	0.01	18	410	18	0.01	<2	4	15
ZZ25804		10	<1	0.03	10	0.16	252	3	<0.01	10	280	11	0.01	<2	2	14
ZZ25805		<10	1	0.03	20	0.29	7160	7	0.02	35	2360	5	0.24	<2	7	78
ZZ25806		10	<1	0.13	10	0.92	785	4	0.01	85	990	6	0.05	<2	6	40
ZZ25807		10	<1	0.27	10	1.10	383	3	0.03	56	830	5	0.01	<2	7	30
ZZ25808		10	<1	0.31	10	0.99	700	5	0.01	42	760	8	0.02	<2	8	23
ZZ25809		10	<1	0.11	10	0.29	430	6	0.01	21	520	16	0.03	<2	3	20
ZZ25810		10	1	0.10	10	0.50	1240	2	0.01	23	630	17	0.02	<2	6	28
ZZ25811		10	1	0.18	30	0.43	340	2	0.01	10	260	13	0.01	<2	4	33
ZZ25812		10	<1	0.22	20	0.62	628	2	<0.01	11	350	11	<0.01	<2	6	18
ZZ25813		10	1	0.24	220	0.60	1125	3	0.01	17	1020	15	0.05	<2	19	72



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
ZZ25774		<20	0.09	<10	<10	69	<10	54
ZZ25775		<20	0.11	<10	10	70	<10	62
ZZ25776		<20	0.12	<10	<10	65	<10	67
ZZ25777		<20	0.11	<10	<10	66	<10	71
ZZ25778		20	0.05	<10	<10	55	<10	70
ZZ25779		20	0.11	<10	<10	69	<10	82
ZZ25780		20	0.06	<10	<10	56	<10	77
ZZ25781		<20	0.11	<10	<10	66	<10	61
ZZ25782		<20	0.12	<10	<10	65	<10	56
ZZ25783		20	0.16	<10	<10	78	<10	78
ZZ25784		20	0.15	<10	<10	61	<10	81
ZZ25785		20	0.18	<10	<10	56	<10	78
ZZ25786		<20	0.09	<10	<10	64	<10	66
ZZ25787		<20	0.13	<10	<10	89	<10	61
ZZ25788		<20	0.13	<10	<10	84	<10	74
ZZ25789		<20	0.05	<10	<10	37	<10	31
ZZ25790		<20	0.03	<10	<10	49	<10	62
ZZ25791		<20	0.04	<10	<10	51	<10	48
ZZ25792		<20	0.07	<10	<10	66	<10	37
ZZ25793		<20	0.06	<10	<10	75	<10	66
ZZ25794		20	0.01	<10	<10	62	<10	55
ZZ25795		<20	0.04	<10	<10	57	<10	53
ZZ25796		<20	0.06	<10	<10	84	<10	61
ZZ25797		<20	0.02	<10	<10	115	<10	74
ZZ25798		<20	0.05	<10	<10	74	<10	62
ZZ25799		<20	0.12	<10	<10	79	<10	69
ZZ25800		<20	0.12	<10	<10	91	<10	68
ZZ25801		<20	0.03	<10	<10	33	<10	44
ZZ25802		<20	0.04	<10	<10	37	<10	41
ZZ25803		<20	0.08	<10	<10	76	<10	61
ZZ25804		<20	0.05	<10	<10	87	<10	42
ZZ25805		<20	0.02	<10	<10	60	<10	65
ZZ25806		<20	0.07	<10	<10	84	<10	56
ZZ25807		<20	0.18	<10	<10	101	<10	84
ZZ25808		<20	0.17	<10	<10	102	<10	94
ZZ25809		<20	0.06	<10	<10	70	<10	62
ZZ25810		<20	0.04	<10	<10	59	<10	58
ZZ25811		<20	0.10	<10	<10	74	<10	68
ZZ25812		<20	0.13	<10	<10	73	<10	80
ZZ25813		40	0.06	<10	<10	72	<10	87



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
ZZ25814		0.52	0.003	<0.2	2.01	8	<10	720	0.9	<2	0.84	<0.5	15	34	21	3.28
ZZ25815		0.40	0.006	<0.2	2.14	15	<10	170	0.5	<2	0.21	<0.5	14	32	16	2.67
ZZ25816		0.38	0.006	0.4	2.30	42	<10	160	0.5	2	0.14	<0.5	10	30	14	3.32
ZZ25817		0.32	0.003	<0.2	1.75	16	<10	100	<0.5	<2	0.12	<0.5	8	26	13	3.01
ZZ25818		0.38	0.009	0.5	1.47	49	<10	250	0.7	2	0.30	<0.5	9	26	15	2.64
ZZ25819		0.46	0.005	<0.2	1.22	15	<10	130	<0.5	<2	0.27	<0.5	8	24	12	2.26
ZZ25820		0.30	0.002	<0.2	1.07	41	<10	100	<0.5	2	0.08	<0.5	5	16	10	2.36
ZZ25821		0.18	0.003	<0.2	1.74	11	<10	150	<0.5	<2	0.10	<0.5	7	29	11	3.11
ZZ25822		0.22	0.004	0.2	2.09	13	<10	220	0.5	<2	0.20	<0.5	9	31	17	2.86
ZZ25823		0.30	0.006	<0.2	1.51	12	<10	270	0.6	<2	0.43	<0.5	11	40	15	3.07
ZZ25824		0.24	0.003	<0.2	2.01	11	<10	170	0.5	<2	0.21	<0.5	11	29	10	3.35
ZZ25825		0.38	0.004	0.2	2.07	11	<10	290	0.5	<2	0.25	<0.5	10	32	14	2.77
ZZ25826		0.22	0.002	0.2	1.59	10	<10	270	<0.5	<2	0.18	<0.5	8	27	9	2.43
ZZ25827		0.16	0.004	0.7	1.77	4	<10	300	<0.5	<2	0.22	<0.5	13	28	8	2.60
ZZ25828		0.24	0.003	0.5	2.43	7	<10	600	<0.5	<2	0.39	<0.5	13	31	11	3.32
ZZ25829		0.26	0.003	<0.2	1.93	8	<10	360	0.5	2	0.30	<0.5	12	33	13	3.14
ZZ25830		0.28	0.002	0.4	1.44	63	<10	340	<0.5	<2	0.29	<0.5	14	25	9	3.58
ZZ25831		0.24	0.005	1.0	1.76	80	<10	400	0.6	<2	0.38	<0.5	11	40	28	2.98
ZZ25832		0.36	0.004	0.6	1.74	59	<10	290	<0.5	<2	0.26	<0.5	9	30	17	2.39
ZZ25833		0.28	0.003	0.6	1.66	115	<10	420	0.5	<2	0.30	<0.5	13	32	22	4.74
ZZ25834		0.38	0.004	0.3	1.84	71	<10	270	<0.5	<2	0.32	<0.5	7	38	19	3.12
ZZ25835		0.34	0.005	0.3	1.88	203	<10	300	0.5	<2	0.25	<0.5	7	45	40	4.53
ZZ25836		0.28	0.009	0.2	1.72	110	<10	280	<0.5	<2	0.31	<0.5	6	36	14	4.15
ZZ25837		0.30	0.007	0.3	1.70	30	<10	380	0.6	<2	0.74	<0.5	10	40	20	3.38
ZZ25838		0.20	0.001	<0.2	3.24	164	<10	370	1.1	<2	0.38	<0.5	19	115	39	5.07
ZZ25839		0.20	0.001	<0.2	2.79	53	<10	490	0.9	<2	0.72	<0.5	14	64	22	4.13
ZZ25840		0.30	0.002	<0.2	2.08	350	<10	390	0.8	2	0.34	<0.5	16	54	36	4.38
ZZ25841		0.14	0.003	0.4	1.70	42	<10	260	0.5	<2	0.19	<0.5	7	31	18	2.65
ZZ25842		0.40	0.012	0.3	2.03	58	<10	330	0.8	<2	0.28	<0.5	8	31	22	2.68
ZZ25843		0.14	0.018	1.1	3.52	85	<10	380	1.3	<2	0.33	<0.5	12	52	41	4.24
ZZ25844		0.32	0.018	0.3	1.67	48	<10	150	0.5	<2	0.21	<0.5	7	31	21	2.68
ZZ25845		0.24	0.012	<0.2	1.28	22	<10	120	0.6	<2	0.29	0.5	7	24	17	2.25
ZZ25846		0.24	0.006	0.2	2.62	85	<10	260	0.6	<2	0.37	<0.5	7	36	20	3.55
ZZ25847		0.26	0.012	0.3	2.59	94	<10	260	0.7	2	0.21	<0.5	9	34	23	3.64
ZZ25848		0.30	0.017	0.6	1.60	33	<10	170	<0.5	2	0.18	<0.5	5	29	17	2.05
ZZ25849		0.24	0.008	0.2	1.04	64	<10	180	<0.5	4	0.18	<0.5	4	19	13	1.84
ZZ25850		0.28	0.004	<0.2	1.17	26	<10	150	0.5	<2	0.20	<0.5	5	22	19	2.37
ZZ25851		0.36	0.025	0.9	2.59	137	<10	730	1.2	2	0.55	<0.5	11	33	22	3.58
ZZ25852		0.34	0.005	0.2	1.38	19	<10	200	<0.5	<2	0.24	<0.5	10	27	9	2.57
ZZ25853		0.34	0.005	0.3	1.10	7	<10	350	<0.5	<2	0.33	<0.5	4	25	12	1.70



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ25814		10	1	0.13	20	0.51	773	3	<0.01	17	1210	18	0.06	<2	7	104
ZZ25815		10	<1	0.08	10	0.46	721	2	0.01	14	350	15	0.01	<2	5	21
ZZ25816		10	<1	0.09	10	0.38	298	2	0.01	11	350	15	0.01	2	4	15
ZZ25817		10	<1	0.09	10	0.35	270	3	<0.01	10	340	10	0.02	<2	3	14
ZZ25818		<10	1	0.10	10	0.37	695	2	0.01	11	560	14	0.04	<2	4	28
ZZ25819		<10	<1	0.08	10	0.38	337	2	0.01	12	480	9	0.04	<2	3	22
ZZ25820		10	<1	0.05	10	0.10	199	3	<0.01	6	290	13	0.03	<2	2	12
ZZ25821		10	<1	0.08	10	0.36	477	2	<0.01	11	240	17	0.01	<2	3	13
ZZ25822		10	<1	0.07	20	0.46	295	1	0.01	14	550	16	0.02	<2	6	17
ZZ25823		<10	<1	0.10	20	0.43	580	2	0.01	24	1220	13	0.01	<2	5	31
ZZ25824		10	<1	0.09	10	0.42	598	2	0.01	14	440	13	0.01	<2	4	16
ZZ25825		10	<1	0.10	20	0.49	336	1	0.01	13	670	17	0.01	2	7	20
ZZ25826		10	<1	0.08	10	0.28	2030	2	0.01	8	610	22	0.04	<2	3	18
ZZ25827		10	<1	0.07	20	0.34	1345	2	0.01	9	930	12	0.06	<2	4	20
ZZ25828		10	<1	0.14	20	0.50	682	1	0.01	11	730	15	0.04	<2	7	31
ZZ25829		10	<1	0.11	20	0.59	567	2	0.01	12	600	15	<0.01	<2	6	23
ZZ25830		<10	<1	0.09	20	0.33	482	3	<0.01	9	560	18	0.01	2	4	23
ZZ25831		<10	<1	0.14	10	0.48	508	2	0.01	21	600	35	0.02	6	7	32
ZZ25832		<10	1	0.09	20	0.40	169	2	0.01	14	500	24	0.01	4	4	19
ZZ25833		<10	<1	0.08	10	0.38	623	2	<0.01	24	710	26	0.03	6	5	23
ZZ25834		10	<1	0.09	10	0.49	185	2	<0.01	22	670	25	0.03	5	4	20
ZZ25835		10	<1	0.07	10	0.42	173	3	<0.01	25	1120	22	0.04	2	4	17
ZZ25836		10	<1	0.07	10	0.48	206	2	<0.01	19	800	14	0.03	2	4	19
ZZ25837		10	<1	0.10	30	0.67	514	2	0.01	23	990	16	0.04	3	7	52
ZZ25838		10	<1	0.24	20	1.18	493	6	<0.01	63	300	7	0.02	4	11	25
ZZ25839		10	<1	0.15	10	0.75	388	3	0.01	42	280	13	0.02	4	6	46
ZZ25840		10	<1	0.20	20	0.67	508	5	0.01	37	770	8	0.01	8	8	21
ZZ25841		10	<1	0.08	10	0.32	633	11	<0.01	13	800	21	0.06	5	3	19
ZZ25842		10	<1	0.07	10	0.40	1005	3	<0.01	13	1050	20	0.06	3	4	27
ZZ25843		10	<1	0.09	10	0.45	1115	3	<0.01	20	1950	33	0.14	2	5	37
ZZ25844		10	<1	0.07	10	0.40	411	3	<0.01	16	740	28	0.03	4	3	18
ZZ25845		<10	<1	0.06	10	0.34	446	2	<0.01	13	810	22	0.02	3	3	20
ZZ25846		10	<1	0.07	10	0.47	327	2	<0.01	15	980	25	0.05	2	3	38
ZZ25847		10	1	0.07	10	0.37	577	3	<0.01	14	870	27	0.04	<2	3	21
ZZ25848		10	<1	0.06	10	0.38	253	2	<0.01	13	530	17	0.04	2	2	17
ZZ25849		10	<1	0.08	10	0.19	252	4	<0.01	9	290	18	0.02	4	2	20
ZZ25850		<10	<1	0.09	10	0.35	455	4	<0.01	12	360	19	0.02	5	3	19
ZZ25851		10	<1	0.12	20	0.48	867	2	<0.01	19	890	29	0.07	3	5	47
ZZ25852		<10	<1	0.09	10	0.41	873	1	<0.01	14	570	17	0.04	2	3	22
ZZ25853		10	1	0.07	10	0.22	312	1	<0.01	9	720	12	0.07	<2	2	29



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ25814		<20	0.02	<10	<10	57	<10	72
ZZ25815		<20	0.07	<10	<10	59	<10	52
ZZ25816		<20	0.06	<10	<10	70	<10	55
ZZ25817		<20	0.07	<10	<10	72	<10	43
ZZ25818		<20	0.05	<10	<10	47	<10	47
ZZ25819		<20	0.09	<10	<10	48	<10	40
ZZ25820		<20	0.04	<10	<10	64	<10	32
ZZ25821		<20	0.10	<10	<10	86	<10	57
ZZ25822		<20	0.06	<10	<10	54	<10	53
ZZ25823		<20	0.05	<10	<10	47	<10	69
ZZ25824		<20	0.06	<10	<10	56	<10	61
ZZ25825		<20	0.07	<10	<10	56	<10	74
ZZ25826		<20	0.05	<10	<10	56	<10	62
ZZ25827		<20	0.04	<10	<10	40	<10	58
ZZ25828		<20	0.08	<10	<10	59	<10	69
ZZ25829		<20	0.09	<10	<10	62	<10	67
ZZ25830		<20	0.04	<10	<10	51	<10	64
ZZ25831		<20	0.06	<10	<10	58	<10	118
ZZ25832		<20	0.05	<10	<10	53	<10	95
ZZ25833		<20	0.05	<10	<10	72	<10	91
ZZ25834		<20	0.08	<10	<10	76	<10	107
ZZ25835		<20	0.06	<10	<10	82	<10	94
ZZ25836		<20	0.08	<10	<10	78	<10	81
ZZ25837		<20	0.09	<10	<10	74	<10	99
ZZ25838		<20	0.19	<10	<10	152	<10	92
ZZ25839		<20	0.05	<10	<10	81	<10	70
ZZ25840		<20	0.11	<10	<10	87	<10	76
ZZ25841		<20	0.04	<10	10	48	<10	57
ZZ25842		<20	0.03	<10	10	52	<10	75
ZZ25843		<20	0.03	<10	10	81	<10	99
ZZ25844		<20	0.05	<10	<10	54	<10	77
ZZ25845		<20	0.07	<10	<10	48	<10	72
ZZ25846		<20	0.04	<10	<10	78	<10	70
ZZ25847		<20	0.03	<10	<10	66	<10	69
ZZ25848		<20	0.04	<10	<10	44	<10	49
ZZ25849		<20	0.06	<10	<10	55	<10	49
ZZ25850		<20	0.06	<10	<10	48	<10	59
ZZ25851		<20	0.03	<10	<10	61	<10	65
ZZ25852		<20	0.06	<10	<10	49	<10	62
ZZ25853		<20	0.04	<10	<10	42	<10	37



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
ZZ25854		0.28	0.018	0.4	1.19	21	<10	220	<0.5	2	0.33	<0.5	5	25	10	2.26
ZZ25855		0.46	0.009	<0.2	1.83	24	<10	230	<0.5	<2	0.32	<0.5	8	34	13	3.11
ZZ25856		0.40	0.003	0.2	1.85	10	<10	190	<0.5	<2	0.27	<0.5	7	34	11	2.31
ZZ25857		0.54	0.005	<0.2	2.27	14	<10	380	0.5	<2	0.30	<0.5	9	38	15	3.81
ZZ25858		0.46	0.003	<0.2	1.83	9	<10	310	<0.5	<2	0.32	<0.5	8	30	11	3.11
ZZ25859		0.46	0.004	<0.2	1.75	4	<10	410	<0.5	<2	0.36	<0.5	11	28	10	2.76
ZZ25860		0.54	0.003	<0.2	2.31	7	<10	270	<0.5	<2	0.33	<0.5	9	34	16	3.22
ZZ25861		0.56	0.004	<0.2	2.24	25	<10	290	<0.5	<2	0.30	<0.5	7	34	13	3.25
ZZ25862		0.44	0.002	<0.2	1.91	12	<10	210	<0.5	<2	0.33	<0.5	5	33	11	2.45
ZZ25863		0.34	0.004	0.3	1.54	49	<10	280	<0.5	<2	0.25	<0.5	13	31	16	3.93
ZZ25864		0.38	0.005	0.2	1.96	71	<10	240	0.7	<2	0.27	<0.5	11	41	27	3.48
ZZ25865		0.44	0.007	0.3	2.23	35	<10	280	0.7	2	0.51	<0.5	12	52	47	3.65
ZZ25866		0.34	0.010	0.3	1.69	24	<10	380	0.6	<2	0.76	0.6	12	49	21	3.23
ZZ25867		0.44	0.008	0.6	2.70	106	<10	320	1.2	4	0.88	<0.5	18	139	51	4.92
ZZ25868		0.30	0.004	1.2	2.01	57	<10	170	0.7	10	0.40	<0.5	18	109	24	4.30
ZZ25869		0.28	0.001	0.3	3.26	40	<10	350	1.2	<2	0.98	<0.5	22	87	30	6.07
ZZ25870		0.40	0.001	<0.2	2.83	26	<10	200	1.1	2	0.40	<0.5	23	194	15	4.78
ZZ25871		0.44	0.005	0.2	1.94	14	<10	160	0.8	<2	0.25	<0.5	11	36	20	3.09
ZZ25872		0.46	0.019	<0.2	1.12	37	<10	110	0.6	<2	0.25	<0.5	6	22	13	2.18
ZZ25873		0.36	0.014	0.3	1.36	64	<10	100	0.5	<2	0.23	<0.5	8	29	24	2.82
ZZ25874		0.42	0.014	0.3	1.48	39	<10	130	0.6	<2	0.25	<0.5	9	30	30	2.69
ZZ25875		0.58	0.014	0.3	1.35	92	<10	90	0.5	<2	0.20	<0.5	7	25	28	2.16
ZZ25876		0.46	0.010	0.3	1.95	92	<10	180	0.6	2	0.24	<0.5	9	35	29	3.44
ZZ25877		0.54	0.135	<0.2	1.37	233	<10	240	0.9	2	0.36	<0.5	12	23	36	3.24
ZZ25878		0.56	0.011	<0.2	2.22	68	<10	100	0.8	<2	0.18	<0.5	10	33	25	3.34
ZZ25879		0.30	0.006	0.2	2.04	40	<10	110	0.6	<2	0.31	0.5	8	31	18	2.70
ZZ25880		0.28	0.008	0.2	1.98	80	<10	100	0.6	<2	0.14	<0.5	7	30	23	3.34
ZZ25881		0.38	0.006	<0.2	2.50	18	<10	100	0.5	<2	0.15	<0.5	9	39	17	3.78
ZZ25882		0.36	0.005	<0.2	1.47	19	<10	70	<0.5	<2	0.14	<0.5	5	23	14	2.87
ZZ25883		0.42	0.013	0.2	1.70	25	<10	150	0.8	<2	0.31	<0.5	9	32	29	2.87
ZZ25884		0.50	0.009	0.2	1.23	51	<10	100	0.6	<2	0.21	<0.5	8	29	18	2.47
ZZ25885		0.48	0.026	0.7	1.77	301	<10	110	0.7	<2	0.19	<0.5	8	30	37	2.80
ZZ25886		0.24	0.003	<0.2	1.36	27	<10	80	<0.5	2	0.09	<0.5	5	26	15	4.09
ZZ25887		0.08	0.010	0.3	0.46	9	<10	70	<0.5	<2	0.08	<0.5	3	17	16	1.45
ZZ25888		0.34	0.007	<0.2	2.08	38	<10	220	0.6	<2	0.31	<0.5	12	46	19	3.85
ZZ25889		0.24	0.003	<0.2	1.44	46	<10	80	<0.5	<2	0.22	<0.5	9	36	15	3.79
ZZ25890		0.40	0.006	0.2	2.47	78	<10	140	0.7	<2	0.36	<0.5	17	38	24	5.24
ZZ25891		0.14	0.008	<0.2	1.21	70	<10	80	<0.5	<2	0.14	<0.5	5	24	25	3.38
ZZ25892		0.24	0.024	0.6	1.81	511	<10	150	0.6	<2	0.78	<0.5	17	61	78	3.38
ZZ25893		0.32	0.007	0.3	2.03	66	<10	150	0.5	<2	0.34	<0.5	25	49	28	3.53



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ25854		<10	<1	0.07	10	0.31	298	1	<0.01	10	780	14	0.07	3	2	26
ZZ25855		10	<1	0.08	10	0.54	548	1	<0.01	17	780	18	0.04	<2	4	24
ZZ25856		10	<1	0.08	10	0.49	227	1	<0.01	15	570	18	0.04	2	4	21
ZZ25857		10	<1	0.17	20	0.62	648	1	<0.01	17	640	17	0.03	3	6	24
ZZ25858		10	<1	0.09	20	0.50	272	1	<0.01	13	640	14	0.02	2	4	22
ZZ25859		10	<1	0.07	20	0.43	1335	1	<0.01	11	570	12	0.03	<2	4	25
ZZ25860		10	<1	0.13	20	0.71	232	1	<0.01	14	620	11	0.02	2	6	21
ZZ25861		10	<1	0.09	20	0.61	212	1	<0.01	15	640	13	0.03	3	5	20
ZZ25862		10	1	0.08	20	0.52	192	<1	<0.01	13	680	14	0.03	3	4	21
ZZ25863		10	<1	0.08	20	0.36	939	2	<0.01	15	910	21	0.05	2	4	21
ZZ25864		10	<1	0.10	20	0.52	742	2	<0.01	20	680	18	0.03	4	5	22
ZZ25865		10	<1	0.12	20	0.73	333	2	0.01	30	730	14	0.05	5	9	34
ZZ25866		<10	<1	0.10	20	0.72	538	2	0.01	29	1050	12	0.05	3	6	51
ZZ25867		10	<1	0.29	20	1.58	675	23	<0.01	87	950	11	0.03	6	14	38
ZZ25868		10	<1	0.11	10	0.90	971	37	<0.01	63	640	21	0.03	3	7	25
ZZ25869		10	<1	0.53	10	1.37	829	5	0.09	44	1080	9	0.02	4	12	68
ZZ25870		10	<1	0.08	10	1.06	516	6	0.02	38	280	7	0.01	<2	8	25
ZZ25871		10	<1	0.10	10	0.53	756	<1	0.01	19	580	17	0.02	2	4	17
ZZ25872		<10	<1	0.06	10	0.36	585	1	0.01	11	450	16	0.01	2	3	17
ZZ25873		<10	<1	0.06	10	0.39	558	1	0.01	15	460	19	0.02	2	3	16
ZZ25874		<10	<1	0.08	10	0.47	756	1	0.01	16	520	18	0.02	3	4	18
ZZ25875		<10	<1	0.07	10	0.37	200	1	0.01	11	420	21	0.01	4	3	15
ZZ25876		10	<1	0.09	10	0.51	740	1	0.01	16	720	27	0.04	3	3	22
ZZ25877		<10	<1	0.08	20	0.38	678	1	0.01	12	990	19	0.01	3	7	22
ZZ25878		10	<1	0.07	20	0.55	450	<1	0.01	16	560	18	0.02	2	6	14
ZZ25879		10	<1	0.06	10	0.48	256	<1	0.01	16	810	24	0.02	2	4	18
ZZ25880		10	<1	0.04	10	0.35	233	<1	0.01	17	450	22	0.04	2	3	14
ZZ25881		10	<1	0.05	10	0.60	415	<1	0.01	20	360	14	0.02	2	4	15
ZZ25882		10	<1	0.04	10	0.25	268	2	<0.01	11	330	33	0.02	<2	3	12
ZZ25883		<10	<1	0.09	20	0.50	545	1	0.01	19	760	18	0.02	2	4	20
ZZ25884		<10	<1	0.07	10	0.37	605	1	0.01	16	620	24	0.02	2	3	15
ZZ25885		<10	<1	0.08	10	0.48	466	1	0.01	17	480	27	0.03	3	4	15
ZZ25886		10	<1	0.04	10	0.22	332	1	<0.01	10	240	16	0.01	2	2	10
ZZ25887		<10	<1	0.04	10	0.06	91	1	0.01	12	340	6	0.03	<2	1	8
ZZ25888		10	<1	0.10	10	0.67	505	1	0.01	29	680	17	0.04	3	4	20
ZZ25889		10	<1	0.21	10	0.61	464	3	0.01	17	430	7	0.03	3	3	16
ZZ25890		10	<1	0.42	20	0.89	848	3	0.01	18	1190	9	0.04	3	5	17
ZZ25891		10	<1	0.07	10	0.21	370	2	0.01	11	570	9	0.06	2	2	14
ZZ25892		10	<1	0.11	20	0.72	734	1	0.02	25	910	9	0.06	<2	7	37
ZZ25893		10	<1	0.06	20	0.61	1690	1	0.01	19	1090	12	0.07	2	5	21



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ25854		<20	0.04	<10	<10	48	<10	44
ZZ25855		<20	0.08	<10	<10	61	<10	71
ZZ25856		<20	0.08	<10	<10	57	<10	66
ZZ25857		<20	0.11	<10	<10	77	<10	90
ZZ25858		<20	0.08	<10	<10	57	<10	70
ZZ25859		<20	0.05	<10	<10	51	<10	57
ZZ25860		<20	0.15	<10	<10	79	<10	76
ZZ25861		<20	0.12	<10	<10	69	<10	69
ZZ25862		<20	0.09	<10	<10	57	<10	71
ZZ25863		<20	0.07	<10	<10	59	<10	70
ZZ25864		<20	0.07	<10	<10	68	<10	83
ZZ25865		<20	0.11	<10	<10	86	<10	99
ZZ25866		<20	0.09	<10	<10	74	<10	100
ZZ25867		<20	0.15	<10	<10	138	<10	136
ZZ25868		<20	0.08	<10	<10	82	<10	109
ZZ25869		<20	0.27	<10	<10	110	<10	81
ZZ25870		<20	0.06	<10	<10	118	<10	68
ZZ25871		<20	0.09	<10	<10	59	<10	70
ZZ25872		<20	0.06	<10	<10	42	<10	44
ZZ25873		<20	0.08	<10	<10	58	<10	60
ZZ25874		<20	0.08	<10	<10	52	<10	66
ZZ25875		<20	0.06	<10	<10	43	<10	52
ZZ25876		<20	0.06	<10	<10	67	<10	82
ZZ25877		<20	0.06	<10	<10	49	<10	75
ZZ25878		<20	0.07	<10	<10	63	<10	65
ZZ25879		<20	0.08	<10	<10	55	<10	80
ZZ25880		<20	0.06	<10	<10	68	<10	63
ZZ25881		<20	0.10	<10	<10	81	<10	65
ZZ25882		<20	0.08	<10	<10	86	<10	67
ZZ25883		<20	0.06	<10	<10	54	<10	68
ZZ25884		<20	0.06	<10	<10	45	<10	67
ZZ25885		<20	0.06	<10	<10	52	<10	67
ZZ25886		<20	0.11	<10	<10	110	<10	50
ZZ25887		<20	0.05	<10	<10	58	<10	45
ZZ25888		<20	0.09	<10	<10	73	<10	73
ZZ25889		<20	0.21	<10	<10	93	<10	55
ZZ25890		<20	0.20	<10	<10	79	<10	78
ZZ25891		<20	0.10	<10	<10	73	<10	47
ZZ25892		<20	0.08	<10	<10	68	<10	59
ZZ25893		<20	0.05	<10	<10	64	<10	57



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ25894		0.52	0.010	<0.2	2.23	94	<10	180	0.6	2	0.34	<0.5	11	56	33	3.83
ZZ25895		0.20	0.002	0.2	2.03	19	<10	390	<0.5	<2	1.13	0.6	10	29	23	2.53
ZZ25896		0.48	0.003	<0.2	2.03	44	<10	190	<0.5	<2	0.33	<0.5	9	51	20	3.10
ZZ25897		0.32	0.004	<0.2	2.58	10	<10	240	0.5	2	0.36	<0.5	8	55	24	2.16
ZZ25898		0.36	0.001	<0.2	1.71	6	<10	370	0.9	<2	0.84	<0.5	8	19	12	3.18
ZZ25899		0.38	0.002	<0.2	2.11	5	<10	420	1.3	<2	0.32	<0.5	11	19	9	3.53
ZZ25900		0.30	0.002	<0.2	1.88	5	<10	130	<0.5	<2	0.16	<0.5	8	22	11	3.12
ZZ25901		0.20	0.009	0.6	2.31	25	<10	250	0.9	<2	0.43	<0.5	10	47	52	4.40
ZZ25902		0.32	0.008	0.3	1.97	18	<10	230	1.0	<2	0.38	<0.5	7	39	42	3.35
ZZ25903		0.32	0.006	0.2	2.06	10	<10	160	0.7	<2	0.31	<0.5	7	36	35	2.36
ZZ25904		0.16	0.010	<0.2	1.06	22	<10	70	0.6	<2	0.10	<0.5	6	20	43	2.18
ZZ25905		0.26	0.005	0.2	2.90	12	<10	90	0.7	<2	0.17	<0.5	12	37	32	3.21
ZZ25906		0.24	0.004	<0.2	2.08	15	<10	60	0.8	<2	0.15	<0.5	7	30	28	3.22
ZZ25907		0.22	0.004	0.2	1.73	19	<10	70	<0.5	<2	0.14	<0.5	5	25	19	3.32
ZZ25908		0.22	0.007	0.2	1.13	17	<10	90	0.6	<2	0.26	<0.5	5	25	72	1.88
ZZ25909		0.14	0.012	0.8	1.03	13	<10	90	<0.5	<2	0.19	<0.5	3	17	45	2.07
ZZ25910		0.14	0.059	<0.2	2.61	21	<10	90	0.8	<2	0.25	<0.5	11	24	46	4.12
ZZ25911		0.20	0.009	0.2	2.74	10	<10	180	0.7	<2	0.29	<0.5	11	32	25	3.43
ZZ25912		0.16	0.015	0.2	2.53	11	<10	60	0.8	<2	0.18	<0.5	8	26	18	2.86
ZZ25913		0.22	0.008	0.4	2.34	13	<10	180	0.9	<2	0.34	<0.5	11	28	29	3.51
ZZ25914		0.18	0.003	0.3	3.25	11	<10	140	0.7	<2	0.26	<0.5	13	38	21	3.57
ZZ25915		0.28	0.007	0.2	1.85	17	<10	150	0.6	<2	0.39	<0.5	10	32	37	3.19
ZZ25916		0.12	0.008	0.5	2.11	19	<10	230	0.6	<2	0.37	<0.5	11	27	22	3.58
ZZ25917		0.22	0.123	0.5	1.63	31	<10	160	<0.5	<2	0.21	<0.5	8	24	11	2.33
ZZ25918		0.36	0.001	0.2	2.51	8	<10	150	0.8	<2	0.20	<0.5	8	28	13	3.59
ZZ25919		0.34	0.002	<0.2	1.55	3	<10	120	<0.5	<2	0.33	<0.5	7	17	7	2.96
ZZ25920		0.24	0.005	0.2	1.80	4	<10	260	0.6	<2	0.33	<0.5	8	15	6	3.13
ZZ25921		0.18	0.004	0.2	2.00	13	<10	110	0.6	<2	0.23	<0.5	9	28	20	3.07
ZZ25922		0.20	0.004	0.2	2.12	15	<10	70	<0.5	<2	0.13	<0.5	7	30	15	3.29
ZZ25923		0.26	0.006	0.4	1.82	40	<10	90	0.5	<2	0.16	<0.5	8	27	24	3.03
ZZ25924		0.26	0.008	0.2	2.51	30	<10	130	0.6	<2	0.19	<0.5	12	35	25	3.28
ZZ25925		0.24	0.007	0.3	1.99	63	<10	190	<0.5	<2	0.09	<0.5	6	32	21	2.87
ZZ25926		0.28	0.010	1.5	2.25	79	<10	340	0.5	<2	0.20	<0.5	19	40	47	4.84
ZZ25927		0.30	0.012	0.4	2.09	131	<10	140	0.5	<2	0.29	<0.5	14	29	32	4.03
ZZ25928		0.24	0.023	0.4	2.09	121	<10	120	0.5	<2	0.34	<0.5	21	38	23	4.64
ZZ25929		0.22	0.002	0.2	2.25	15	<10	370	<0.5	<2	0.81	<0.5	10	30	15	3.12
ZZ25930		0.46	0.009	0.2	2.55	53	<10	140	0.5	<2	0.63	<0.5	19	112	29	3.32
ZZ25931		0.28	0.009	0.5	2.69	43	<10	220	0.6	<2	0.73	0.5	14	69	52	2.97
ZZ25932		0.26	0.006	0.3	2.70	50	<10	190	0.6	<2	0.33	<0.5	13	65	33	3.15
ZZ25933		0.28	0.004	0.3	2.62	63	<10	230	0.7	<2	0.43	<0.5	14	67	50	3.88



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ25894		10	<1	0.07	20	0.75	196	<1	0.01	23	880	11	0.04	2	6	20
ZZ25895		10	<1	0.07	10	0.60	682	<1	0.02	17	800	9	0.09	<2	5	75
ZZ25896		10	<1	0.07	10	0.61	449	1	0.01	20	790	9	0.05	3	4	23
ZZ25897		10	<1	0.07	20	0.76	279	<1	0.02	23	700	12	0.05	3	7	25
ZZ25898		10	<1	0.22	70	0.57	783	<1	0.01	9	510	13	0.03	<2	6	63
ZZ25899		10	1	0.18	30	0.52	996	<1	0.01	11	680	16	0.01	<2	6	28
ZZ25900		10	<1	0.09	10	0.42	477	<1	0.01	11	330	11	0.01	<2	4	14
ZZ25901		10	<1	0.12	20	0.59	407	2	0.01	16	1220	19	0.05	5	10	28
ZZ25902		10	<1	0.10	20	0.55	335	1	0.01	15	960	18	0.03	4	7	24
ZZ25903		10	<1	0.07	10	0.52	184	<1	0.01	18	680	30	0.02	4	6	20
ZZ25904		<10	<1	0.07	10	0.22	591	2	<0.01	11	430	50	0.03	11	2	12
ZZ25905		<10	<1	0.06	10	0.59	422	1	0.01	27	330	15	0.01	2	5	16
ZZ25906		10	<1	0.07	10	0.45	320	2	<0.01	18	300	25	0.01	4	3	14
ZZ25907		10	1	0.04	10	0.23	213	3	<0.01	11	220	19	0.01	4	3	14
ZZ25908		<10	<1	0.06	10	0.39	362	1	<0.01	13	310	21	<0.01	11	3	24
ZZ25909		10	<1	0.05	10	0.18	196	3	<0.01	9	330	16	0.03	<2	2	23
ZZ25910		10	1	0.09	10	0.57	367	5	<0.01	17	540	15	0.02	2	6	18
ZZ25911		10	1	0.07	20	0.71	421	1	0.01	23	630	10	0.01	<2	6	22
ZZ25912		<10	<1	0.05	10	0.33	445	2	<0.01	14	590	22	0.02	2	4	13
ZZ25913		10	<1	0.11	20	0.71	702	2	<0.01	14	590	15	0.02	2	7	24
ZZ25914		10	1	0.08	10	0.65	495	1	0.01	23	730	11	0.02	<2	5	23
ZZ25915		10	1	0.08	10	0.61	554	2	0.01	25	630	17	0.02	2	4	30
ZZ25916		10	<1	0.07	20	0.48	312	4	0.01	13	960	17	0.04	2	5	30
ZZ25917		<10	<1	0.05	10	0.33	642	2	<0.01	10	840	17	0.04	2	3	19
ZZ25918		10	<1	0.10	20	0.49	449	1	<0.01	16	400	11	0.01	<2	4	19
ZZ25919		10	<1	0.15	10	0.60	535	1	0.01	8	350	12	0.01	<2	4	28
ZZ25920		10	1	0.17	30	0.56	942	1	0.01	9	450	11	0.01	<2	5	30
ZZ25921		10	1	0.06	10	0.44	603	1	<0.01	26	450	16	0.03	<2	3	19
ZZ25922		10	<1	0.05	10	0.39	280	2	<0.01	16	220	13	0.01	2	3	14
ZZ25923		10	<1	0.06	10	0.38	423	2	<0.01	17	370	17	0.03	2	3	16
ZZ25924		10	<1	0.09	10	0.60	579	1	0.01	27	400	13	0.02	<2	4	18
ZZ25925		10	<1	0.05	10	0.21	172	3	<0.01	15	430	10	0.04	2	2	13
ZZ25926		10	<1	0.10	10	0.51	969	3	<0.01	31	1110	18	0.04	3	3	17
ZZ25927		10	<1	0.22	10	0.74	709	2	0.01	20	630	10	0.03	3	4	23
ZZ25928		10	<1	0.34	10	0.83	2360	4	0.01	21	890	8	0.03	<2	4	20
ZZ25929		10	<1	0.06	10	0.71	498	1	0.01	15	680	10	0.05	<2	5	56
ZZ25930		10	<1	0.15	10	1.33	488	1	0.02	51	580	8	0.03	<2	7	29
ZZ25931		10	<1	0.10	20	0.88	837	1	0.04	31	970	12	0.06	2	7	47
ZZ25932		10	1	0.09	20	0.85	738	1	0.02	27	620	13	0.04	5	6	26
ZZ25933		10	<1	0.12	30	0.96	365	1	0.02	36	810	12	0.02	6	8	27



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ25894		<20	0.07	<10	<10	70	<10	69
ZZ25895		<20	0.06	<10	<10	58	<10	110
ZZ25896		<20	0.07	<10	<10	74	<10	57
ZZ25897		<20	0.09	<10	<10	60	<10	82
ZZ25898		<20	0.09	<10	<10	56	<10	86
ZZ25899		20	0.06	<10	<10	53	<10	78
ZZ25900		<20	0.08	<10	<10	72	<10	50
ZZ25901		<20	0.07	<10	<10	77	<10	76
ZZ25902		<20	0.05	<10	<10	65	<10	58
ZZ25903		<20	0.08	<10	<10	60	<10	69
ZZ25904		<20	0.03	<10	<10	43	<10	64
ZZ25905		<20	0.10	<10	<10	65	<10	57
ZZ25906		<20	0.07	<10	<10	69	<10	53
ZZ25907		<20	0.05	<10	<10	82	<10	38
ZZ25908		<20	0.07	<10	<10	40	<10	49
ZZ25909		<20	0.08	<10	<10	75	<10	37
ZZ25910		<20	0.06	<10	<10	71	<10	51
ZZ25911		<20	0.09	<10	<10	69	<10	52
ZZ25912		<20	0.06	<10	<10	48	<10	43
ZZ25913		<20	0.11	<10	<10	80	<10	56
ZZ25914		<20	0.09	<10	<10	67	<10	56
ZZ25915		<20	0.10	<10	<10	74	<10	73
ZZ25916		<20	0.05	<10	<10	78	<10	76
ZZ25917		<20	0.04	<10	<10	48	<10	48
ZZ25918		20	0.09	<10	<10	74	<10	55
ZZ25919		<20	0.11	<10	<10	62	<10	72
ZZ25920		20	0.08	<10	<10	51	<10	71
ZZ25921		<20	0.06	<10	<10	57	<10	73
ZZ25922		<20	0.09	<10	<10	83	<10	47
ZZ25923		<20	0.07	<10	<10	65	<10	57
ZZ25924		<20	0.10	<10	<10	67	<10	61
ZZ25925		<20	0.07	<10	<10	75	<10	42
ZZ25926		<20	0.04	<10	<10	81	<10	116
ZZ25927		<20	0.15	<10	<10	68	<10	80
ZZ25928		<20	0.19	<10	<10	75	<10	81
ZZ25929		<20	0.06	<10	<10	72	<10	91
ZZ25930		<20	0.11	<10	<10	72	<10	66
ZZ25931		<20	0.09	<10	<10	81	<10	67
ZZ25932		<20	0.09	<10	<10	80	<10	63
ZZ25933		<20	0.10	<10	<10	88	<10	76



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
ZZ25934		0.28	0.003	0.3	2.48	53	<10	180	0.5	<2	0.35	<0.5	11	53	31	3.00
ZZ25935		0.34	0.007	0.2	2.39	36	<10	150	0.5	<2	0.40	<0.5	8	52	25	2.83
ZZ25936		0.40	0.002	<0.2	2.17	95	<10	180	0.5	<2	0.39	<0.5	8	44	18	3.38
ZZ25937		0.26	0.005	0.2	2.29	20	<10	150	<0.5	<2	0.35	<0.5	7	46	17	2.75
ZZ25938		0.36	0.006	0.3	1.91	6	<10	420	0.7	<2	0.80	<0.5	6	22	14	3.07
ZZ25939		0.24	0.001	0.2	1.52	2	<10	460	0.9	<2	0.83	<0.5	5	15	12	2.74
ZZ25940		0.22	0.001	0.3	1.15	5	<10	400	0.5	<2	1.33	<0.5	8	16	11	2.82
ZZ25941		0.32	0.093	0.2	2.34	43	<10	190	0.6	<2	0.40	<0.5	12	39	19	3.75
ZZ25942		0.36	0.003	0.2	2.66	37	<10	210	0.6	<2	0.30	<0.5	10	48	24	3.14
ZZ25943		0.22	0.004	0.2	2.50	32	<10	160	0.5	<2	0.33	<0.5	8	49	21	3.00
ZZ25944		0.36	0.003	0.2	2.56	65	<10	220	0.6	<2	0.43	<0.5	15	57	30	3.88
ZZ25945		0.24	0.004	0.3	2.27	69	<10	200	<0.5	<2	0.46	<0.5	9	54	24	3.48
ZZ25946		0.24	0.004	0.3	2.63	61	<10	160	0.6	<2	0.44	<0.5	12	65	32	3.82
ZZ25947		0.28	0.010	0.5	2.59	222	<10	180	0.7	<2	0.37	<0.5	12	68	50	4.17
ZZ25948		0.34	0.023	0.8	2.40	407	<10	300	0.8	<2	0.70	<0.5	14	84	50	3.98
ZZ25949		0.28	0.004	<0.2	1.78	109	<10	90	<0.5	<2	0.21	<0.5	8	58	20	3.78
ZZ25950		0.28	0.027	0.2	2.20	27	<10	120	<0.5	<2	0.50	<0.5	12	82	30	2.96
ZZ25951		0.16	0.005	0.4	1.49	51	<10	260	<0.5	<2	0.42	<0.5	5	33	12	2.55
ZZ25952		0.22	0.007	0.3	1.83	48	<10	260	<0.5	<2	0.38	<0.5	9	38	14	3.02
ZZ25953		0.26	0.004	0.4	1.73	59	<10	150	<0.5	<2	0.24	<0.5	7	36	20	3.12
ZZ25954		0.22	0.007	0.4	1.86	77	<10	150	<0.5	<2	0.27	<0.5	8	35	16	3.60
ZZ25955		0.22	0.005	0.7	1.95	99	<10	160	<0.5	<2	0.27	<0.5	8	38	16	3.34
ZZ25956		0.28	0.003	0.3	1.78	42	<10	140	0.5	<2	0.27	<0.5	9	37	21	3.15
ZZ25957		0.32	0.011	0.4	1.61	40	<10	380	0.8	<2	0.68	<0.5	13	47	22	3.41
ZZ25958		0.28	0.002	0.3	2.93	48	<10	280	1.0	<2	0.60	<0.5	21	93	28	5.62
ZZ25959		0.18	0.016	0.3	2.35	35	<10	160	<0.5	<2	0.43	<0.5	16	86	31	3.54
ZZ25960		0.18	0.010	0.3	2.84	207	<10	140	0.6	<2	0.36	<0.5	18	123	44	4.59
ZZ25961		0.16	0.008	0.7	3.34	154	<10	200	0.9	<2	0.47	<0.5	15	81	53	4.07
ZZ25962		0.20	0.005	0.6	2.51	81	<10	190	0.6	<2	0.55	<0.5	14	72	32	3.62
ZZ25963		0.30	0.004	0.3	2.31	62	<10	140	0.5	<2	0.44	<0.5	9	52	33	3.07
ZZ25964		0.28	0.002	0.2	2.43	39	<10	170	0.6	<2	0.50	<0.5	9	54	33	3.34
ZZ25965		0.26	0.003	0.3	2.40	63	<10	160	0.5	<2	0.43	<0.5	8	47	22	3.78
ZZ25966		0.22	0.003	0.3	2.30	40	<10	160	0.5	<2	0.34	<0.5	8	42	18	3.72
ZZ25967		0.26	0.002	0.2	2.23	19	<10	200	0.6	<2	0.34	<0.5	9	31	16	3.40
ZZ25968		0.28	0.004	0.2	2.01	23	<10	220	<0.5	<2	0.35	<0.5	10	32	14	3.05
ZZ25969		0.28	0.002	0.3	2.40	15	<10	230	0.6	<2	0.41	<0.5	11	35	18	3.30
ZZ25970		0.26	0.002	0.3	2.38	36	<10	180	0.8	<2	0.31	<0.5	11	38	23	4.02
ZZ25971		0.22	0.003	0.3	2.53	50	<10	180	0.6	<2	0.31	<0.5	16	51	26	4.50
ZZ25972		0.22	0.004	0.2	2.47	56	<10	160	<0.5	<2	0.38	<0.5	9	55	24	3.35
ZZ25973		0.22	0.012	<0.2	2.59	67	<10	170	0.5	<2	0.45	<0.5	11	60	29	3.60



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ25934		10	1	0.07	10	0.77	322	1	0.01	29	750	11	0.04	5	6	22
ZZ25935		10	1	0.09	20	0.77	210	1	0.02	23	780	12	0.02	5	6	26
ZZ25936		10	1	0.07	10	0.67	254	1	0.01	20	730	15	0.02	6	5	26
ZZ25937		10	1	0.06	20	0.68	227	1	0.01	18	850	13	0.03	3	5	22
ZZ25938		10	<1	0.13	90	0.50	523	1	0.01	11	360	11	0.01	<2	6	67
ZZ25939		10	<1	0.17	90	0.41	499	2	0.01	7	360	13	0.02	<2	5	87
ZZ25940		<10	<1	0.15	30	0.48	1060	2	0.02	9	1020	6	0.11	<2	5	115
ZZ25941		10	1	0.11	20	0.77	555	1	0.04	23	1020	12	0.02	2	5	24
ZZ25942		10	<1	0.08	20	0.74	225	1	0.04	24	620	15	0.02	3	6	22
ZZ25943		10	<1	0.07	20	0.71	209	1	0.04	21	770	18	0.03	3	5	23
ZZ25944		10	<1	0.08	20	0.81	403	1	0.05	29	810	18	0.02	6	7	32
ZZ25945		10	1	0.08	20	0.79	308	1	0.06	24	830	12	0.05	7	6	34
ZZ25946		10	<1	0.13	20	0.95	339	1	0.06	28	720	13	0.02	5	6	30
ZZ25947		10	1	0.10	30	0.87	328	2	0.04	38	810	13	0.04	9	7	25
ZZ25948		10	1	0.18	30	0.89	529	2	0.06	48	960	12	0.08	13	9	44
ZZ25949		10	<1	0.08	10	0.67	298	2	0.03	26	300	10	0.01	2	4	17
ZZ25950		10	<1	0.10	10	0.98	387	2	0.05	39	500	7	0.02	2	6	27
ZZ25951		<10	<1	0.11	10	0.47	194	1	0.04	17	740	13	0.05	2	4	27
ZZ25952		10	1	0.12	10	0.60	526	1	0.04	21	570	17	0.03	3	4	28
ZZ25953		10	<1	0.09	10	0.48	247	2	0.03	17	770	17	0.03	<2	4	19
ZZ25954		10	<1	0.08	10	0.51	357	1	0.03	18	660	33	0.03	<2	4	20
ZZ25955		10	<1	0.09	10	0.52	383	1	0.03	18	890	37	0.02	2	5	20
ZZ25956		<10	<1	0.09	10	0.51	238	1	0.03	21	740	18	0.01	3	4	17
ZZ25957		<10	<1	0.12	30	0.65	754	3	0.04	34	1010	13	0.05	2	7	53
ZZ25958		10	1	0.72	30	1.42	907	15	0.04	32	1010	7	0.02	<2	11	27
ZZ25959		10	1	0.10	10	0.99	490	2	0.05	44	470	11	0.02	2	5	25
ZZ25960		10	1	0.14	10	1.34	412	2	0.04	63	300	11	0.02	<2	7	24
ZZ25961		10	<1	0.14	20	0.93	486	2	0.06	34	910	25	0.04	4	6	34
ZZ25962		10	<1	0.10	20	0.88	687	2	0.06	27	820	14	0.06	4	7	37
ZZ25963		10	1	0.08	20	0.75	218	1	0.06	24	770	24	0.03	7	6	30
ZZ25964		10	<1	0.09	10	0.84	208	1	0.07	25	800	13	0.01	5	7	34
ZZ25965		10	<1	0.06	10	0.68	194	2	0.04	21	810	12	0.04	3	5	31
ZZ25966		10	<1	0.06	20	0.64	310	1	0.03	19	850	11	0.03	2	4	25
ZZ25967		10	1	0.10	30	0.66	504	1	0.03	16	870	13	0.03	<2	5	26
ZZ25968		10	1	0.06	20	0.62	326	1	0.04	17	740	10	0.02	<2	5	26
ZZ25969		10	1	0.09	30	0.73	330	1	0.04	18	690	12	0.02	2	6	32
ZZ25970		10	<1	0.07	40	0.58	331	2	0.04	17	970	11	0.04	2	6	24
ZZ25971		10	<1	0.06	20	0.67	1150	2	0.04	21	1050	13	0.05	4	5	24
ZZ25972		10	<1	0.06	10	0.76	214	1	0.05	23	870	11	0.05	3	5	25
ZZ25973		10	<1	0.06	10	0.78	325	1	0.06	24	990	8	0.06	5	6	31



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CERTIFICATE OF ANALYSIS WH11151856

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
ZZ25934		<20	0.08	<10	<10	76	<10	68
ZZ25935		<20	0.10	<10	<10	72	<10	69
ZZ25936		<20	0.07	<10	<10	84	<10	70
ZZ25937		<20	0.07	<10	<10	57	<10	73
ZZ25938		20	0.08	<10	<10	59	<10	62
ZZ25939		<20	0.07	<10	<10	53	<10	59
ZZ25940		<20	0.07	<10	<10	43	<10	91
ZZ25941		<20	0.12	<10	<10	78	<10	88
ZZ25942		<20	0.09	<10	<10	77	<10	81
ZZ25943		<20	0.08	<10	<10	66	<10	85
ZZ25944		<20	0.09	<10	<10	84	<10	90
ZZ25945		<20	0.08	<10	<10	73	<10	80
ZZ25946		<20	0.12	<10	<10	88	<10	74
ZZ25947		<20	0.09	<10	<10	86	<10	71
ZZ25948		<20	0.07	<10	<10	86	<10	81
ZZ25949		<20	0.12	<10	<10	110	<10	52
ZZ25950		<20	0.11	<10	<10	69	<10	55
ZZ25951		<20	0.07	<10	<10	54	<10	71
ZZ25952		<20	0.09	<10	<10	68	<10	95
ZZ25953		<20	0.07	<10	<10	68	<10	77
ZZ25954		<20	0.07	<10	<10	75	<10	91
ZZ25955		<20	0.08	<10	<10	71	<10	96
ZZ25956		<20	0.06	<10	<10	64	<10	83
ZZ25957		<20	0.07	<10	10	68	<10	91
ZZ25958		<20	0.31	<10	<10	111	<10	90
ZZ25959		<20	0.15	<10	<10	85	<10	55
ZZ25960		<20	0.14	<10	<10	95	<10	71
ZZ25961		<20	0.10	<10	<10	101	<10	75
ZZ25962		<20	0.11	<10	<10	91	<10	75
ZZ25963		<20	0.09	<10	<10	75	<10	81
ZZ25964		<20	0.11	<10	<10	83	<10	78
ZZ25965		<20	0.07	<10	<10	80	<10	70
ZZ25966		<20	0.06	<10	<10	72	<10	69
ZZ25967		<20	0.09	<10	<10	63	<10	77
ZZ25968		<20	0.08	<10	<10	66	<10	68
ZZ25969		<20	0.12	<10	<10	73	<10	81
ZZ25970		<20	0.08	<10	<10	75	<10	64
ZZ25971		<20	0.05	<10	<10	78	<10	72
ZZ25972		<20	0.07	<10	<10	76	<10	71
ZZ25973		<20	0.08	<10	<10	81	<10	72



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CERTIFICATE OF ANALYSIS WH11151856

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ25974		0.18	0.001	0.6	2.49	47	<10	190	0.6	<2	0.47	<0.5	12	54	30	2.93
ZZ25975		0.26	0.008	0.4	2.31	45	<10	160	0.5	<2	0.62	<0.5	13	65	29	3.36
ZZ25976		0.26	0.017	0.6	2.80	469	<10	90	0.7	<2	0.20	0.5	20	79	77	5.27
ZZ25977		0.24	0.014	0.5	2.22	67	<10	140	0.5	<2	0.93	<0.5	14	72	37	3.50
ZZ25978		0.24	0.005	0.4	1.99	26	<10	240	0.5	<2	0.68	0.5	18	37	16	3.54
ZZ25979		0.20	0.005	0.3	2.55	31	<10	200	<0.5	<2	0.53	<0.5	10	36	19	3.09
ZZ25980		0.24	0.002	0.2	2.07	25	<10	210	<0.5	<2	0.46	<0.5	10	29	14	2.99
ZZ25981		0.24	0.004	0.3	2.35	16	<10	220	<0.5	<2	0.53	<0.5	13	32	14	3.26
ZZ25982		0.18	0.002	0.3	2.06	34	<10	250	<0.5	<2	0.51	<0.5	13	32	23	3.63
ZZ25983		0.36	0.001	0.5	1.65	5	<10	460	1.0	<2	0.74	<0.5	10	16	15	3.08
ZZ25984		0.16	0.001	0.2	1.79	41	<10	140	<0.5	<2	0.32	<0.5	6	40	11	2.45
ZZ25985		0.50	0.003	<0.2	2.24	72	<10	170	0.6	<2	0.31	<0.5	8	48	30	3.39
ZZ25986		0.42	0.002	0.3	2.33	101	<10	180	0.6	<2	0.35	<0.5	12	57	29	4.09
ZZ25987		0.54	0.006	0.2	2.54	73	<10	240	0.6	<2	0.46	<0.5	15	70	44	3.73
ZZ25988		0.38	0.002	0.3	2.37	93	<10	240	0.5	<2	0.67	<0.5	12	69	30	3.39
ZZ25989		0.48	0.009	0.2	1.79	95	<10	100	<0.5	<2	0.28	<0.5	9	50	16	3.05
ZZ25990		0.22	0.004	0.2	1.65	42	<10	90	<0.5	<2	0.26	<0.5	4	40	22	1.71
ZZ25991		0.44	0.009	0.3	1.70	93	<10	110	<0.5	<2	0.33	<0.5	12	47	22	2.91
ZZ25992		0.44	0.009	0.6	2.18	194	<10	150	0.6	<2	0.35	<0.5	14	31	49	4.65
ZZ25993		0.34	0.004	<0.2	2.56	271	<10	130	0.7	<2	0.47	<0.5	16	31	38	5.51
ZZ25994		0.22	0.015	0.8	1.32	210	<10	370	0.5	<2	0.33	0.9	12	34	35	3.75
ZZ25995		0.24	0.002	0.6	1.26	18	<10	100	<0.5	<2	0.08	<0.5	5	25	27	2.49
ZZ25996		0.24	<0.001	0.2	1.05	7	<10	240	<0.5	<2	0.13	<0.5	7	13	8	2.51
ZZ25997		0.26	0.001	<0.2	1.54	10	<10	140	0.5	<2	0.16	<0.5	5	18	15	2.71
ZZ25998		0.32	0.001	0.3	2.14	10	<10	310	1.4	<2	0.44	<0.5	10	27	18	3.12
ZZ25999		0.16	0.002	0.2	2.24	18	<10	180	0.8	<2	0.30	<0.5	19	67	29	4.35
ZZ26000		0.16	0.002	<0.2	1.78	11	<10	150	0.6	<2	0.30	<0.5	11	58	28	3.29



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CERTIFICATE OF ANALYSIS WH11151856

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
		ppm 10	ppm 1	% 0.01	ppm 10	% 0.01	ppm 5	ppm 1	% 0.01	ppm 1	ppm 10	ppm 2	% 0.01	ppm 2	ppm 1
ZZ25974		10	<1	0.07	20	0.68	392	2	0.05	26	910	12	0.07	4	6
ZZ25975		10	<1	0.08	20	0.83	453	2	0.08	28	850	10	0.05	3	7
ZZ25976		10	1	0.11	10	0.97	579	2	0.03	36	390	27	0.02	7	6
ZZ25977		10	1	0.11	20	0.95	550	4	0.04	35	660	14	0.07	<2	6
ZZ25978		10	<1	0.10	20	0.69	3450	2	0.04	18	1340	13	0.07	<2	5
ZZ25979		10	1	0.06	10	0.67	389	1	0.04	15	950	14	0.08	2	7
ZZ25980		10	<1	0.05	10	0.72	454	1	0.03	15	890	10	0.05	2	4
ZZ25981		10	<1	0.05	10	0.80	656	1	0.03	14	800	12	0.06	<2	5
ZZ25982		10	<1	0.06	20	0.88	736	1	0.03	17	1030	11	0.05	2	6
ZZ25983		10	<1	0.23	70	0.44	1610	1	0.03	9	410	13	0.04	<2	6
ZZ25984		10	<1	0.06	10	0.54	292	1	0.03	16	740	8	0.06	3	4
ZZ25985		10	<1	0.07	20	0.68	208	1	0.04	23	670	11	0.05	4	6
ZZ25986		10	<1	0.09	20	0.80	384	1	0.04	29	680	10	0.04	4	6
ZZ25987		10	<1	0.15	20	0.95	319	1	0.06	34	760	13	0.03	5	8
ZZ25988		10	<1	0.12	10	0.91	592	1	0.07	29	960	8	0.05	7	7
ZZ25989		10	<1	0.07	10	0.68	200	2	0.03	22	750	11	0.05	<2	3
ZZ25990		10	<1	0.07	10	0.47	121	1	0.03	15	580	10	0.08	<2	3
ZZ25991		10	<1	0.09	10	0.66	322	2	0.03	22	760	8	0.07	<2	3
ZZ25992		10	1	0.32	20	0.75	834	4	0.03	16	1150	8	0.07	2	5
ZZ25993		10	<1	0.55	20	1.06	907	3	0.03	19	1500	8	0.06	<2	4
ZZ25994		<10	<1	0.10	10	0.41	560	4	0.03	35	820	30	0.11	9	3
ZZ25995		10	<1	0.04	10	0.15	391	2	0.02	14	470	9	0.07	<2	1
ZZ25996		<10	<1	0.06	10	0.10	1310	1	0.02	7	490	12	0.03	<2	1
ZZ25997		10	<1	0.09	10	0.19	355	2	0.03	19	230	21	0.04	<2	2
ZZ25998		10	1	0.10	20	0.38	1160	2	0.03	16	270	26	0.04	2	4
ZZ25999		10	1	0.13	20	0.89	1130	3	0.03	36	800	11	0.05	<2	6
ZZ26000		10	<1	0.11	20	0.60	444	2	0.03	30	670	9	0.06	2	3



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CERTIFICATE OF ANALYSIS WH11151856

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ25974		<20	0.07	<10	<10	69	<10	80
ZZ25975		<20	0.08	<10	<10	87	<10	77
ZZ25976		<20	0.10	<10	<10	94	<10	73
ZZ25977		<20	0.11	<10	<10	80	<10	59
ZZ25978		<20	0.09	<10	<10	70	<10	105
ZZ25979		<20	0.08	<10	<10	78	<10	68
ZZ25980		<20	0.07	<10	<10	71	<10	71
ZZ25981		<20	0.06	<10	<10	72	<10	84
ZZ25982		<20	0.06	<10	<10	80	<10	84
ZZ25983		<20	0.08	<10	<10	56	<10	69
ZZ25984		<20	0.07	<10	<10	57	<10	56
ZZ25985		<20	0.08	<10	<10	77	<10	62
ZZ25986		<20	0.07	<10	<10	86	<10	66
ZZ25987		<20	0.11	<10	<10	94	<10	79
ZZ25988		<20	0.10	<10	<10	89	<10	74
ZZ25989		<20	0.09	<10	<10	64	<10	68
ZZ25990		<20	0.08	<10	<10	41	<10	49
ZZ25991		<20	0.11	<10	<10	58	<10	62
ZZ25992		<20	0.19	<10	<10	74	<10	70
ZZ25993		<20	0.28	<10	<10	80	<10	88
ZZ25994		<20	0.05	<10	<10	69	<10	130
ZZ25995		<20	0.05	<10	<10	65	<10	49
ZZ25996		<20	0.02	<10	<10	58	<10	43
ZZ25997		<20	0.02	<10	<10	53	<10	58
ZZ25998		<20	0.02	<10	20	58	<10	69
ZZ25999		<20	0.06	<10	<10	92	<10	101
ZZ26000		<20	0.06	<10	<10	75	<10	76



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P.O. No.:

This report is for 150 Soil samples submitted to our lab in Whitehorse, YT, Canada on 5- AUG- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS WH11151855

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
ZZ22611		0.20	0.007	0.3	2.32	9	<10	400	0.7	<2	0.54	<0.5	12	34	18	3.33
ZZ22612		0.20	0.007	0.4	2.70	10	<10	650	1.2	<2	0.61	<0.5	13	33	27	3.97
ZZ22613		0.24	0.012	0.2	1.82	9	<10	750	1.0	<2	0.67	<0.5	10	27	17	3.13
ZZ22614		0.18	0.003	<0.2	2.03	9	<10	140	<0.5	<2	0.12	<0.5	7	25	11	2.78
ZZ22615		0.28	0.001	<0.2	2.23	6	<10	190	1.1	<2	0.18	<0.5	16	15	8	3.98
ZZ22616		0.22	0.003	0.2	2.55	6	<10	420	1.5	<2	0.16	<0.5	13	19	11	4.34
ZZ22617		0.20	0.002	<0.2	0.97	4	<10	180	0.9	<2	0.17	<0.5	9	8	6	2.30
ZZ22618		0.14	0.086	<0.2	2.22	14	<10	110	0.8	<2	0.13	<0.5	22	40	15	3.30
ZZ22619		0.12	0.009	<0.2	2.57	14	<10	160	0.7	<2	0.23	<0.5	15	43	29	3.24
ZZ22620		0.24	0.003	0.3	1.51	43	<10	160	0.8	<2	0.28	<0.5	13	51	39	3.08
ZZ22621		0.14	0.002	0.4	1.04	10	<10	80	<0.5	<2	0.07	<0.5	5	13	13	1.83
ZZ22622		0.20	0.004	0.3	2.32	10	<10	140	0.6	<2	0.14	<0.5	11	29	11	3.14
ZZ22623		0.24	0.003	0.3	1.64	5	<10	170	<0.5	2	0.24	<0.5	8	25	11	2.21
ZZ22624		0.34	0.005	0.2	1.60	12	<10	210	0.5	<2	0.24	<0.5	9	25	14	3.20
ZZ22625		0.34	0.007	0.4	1.89	12	<10	250	0.5	<2	0.25	<0.5	11	29	19	2.85
ZZ22626		0.14	0.009	0.4	1.62	15	<10	240	0.6	<2	0.40	<0.5	11	23	11	2.47
ZZ22627		0.16	0.004	0.3	1.70	13	<10	350	<0.5	<2	0.70	<0.5	12	24	17	2.86
ZZ22628		0.20	0.005	0.5	2.21	27	<10	240	<0.5	<2	0.32	<0.5	9	35	19	2.66
ZZ22629		0.18	0.005	0.4	2.02	25	<10	210	<0.5	<2	0.29	<0.5	11	32	24	2.45
ZZ22630		0.28	0.005	0.6	2.41	48	<10	290	0.5	<2	0.33	<0.5	17	41	33	3.80
ZZ22631		0.32	0.006	0.7	2.49	46	<10	390	0.7	<2	0.28	0.6	21	48	38	3.81
ZZ22632		0.30	0.004	0.6	2.52	42	<10	320	0.6	<2	0.40	<0.5	15	63	32	3.74
ZZ22633		0.18	0.004	1.6	2.25	83	<10	270	0.5	<2	0.30	<0.5	18	44	30	3.77
ZZ22634		0.12	0.008	0.5	1.35	26	<10	120	<0.5	<2	0.15	<0.5	10	31	20	2.97
ZZ22635		0.28	0.005	0.3	2.22	16	<10	230	0.8	<2	0.86	<0.5	11	37	25	3.57
ZZ22636		0.16	0.005	<0.2	2.23	31	<10	220	0.6	<2	0.75	<0.5	11	54	25	3.31
ZZ22637		0.34	0.003	0.2	2.42	39	<10	240	0.8	<2	0.83	<0.5	13	64	40	3.46
ZZ22638		0.12	0.004	<0.2	2.68	31	<10	110	0.8	<2	0.27	<0.5	16	68	30	4.34
ZZ22639		0.18	0.005	0.6	2.23	35	<10	230	0.9	<2	0.67	<0.5	13	58	44	3.32
ZZ22640		0.30	0.003	0.4	2.36	36	<10	220	0.8	<2	0.45	<0.5	13	60	33	3.68
ZZ22641		0.34	0.009	0.4	2.69	40	<10	260	1.0	<2	0.37	<0.5	15	72	37	3.98
ZZ22642		0.24	0.002	<0.2	2.06	62	<10	250	0.8	<2	0.46	<0.5	17	59	25	4.89
ZZ22643		0.24	0.003	<0.2	2.37	24	<10	220	0.7	<2	0.47	<0.5	15	67	21	3.62
ZZ22644		0.26	0.003	0.2	2.65	66	<10	230	0.8	<2	0.45	<0.5	10	76	32	3.65
ZZ22645		0.22	0.002	0.2	2.07	53	<10	190	1.4	<2	0.41	<0.5	19	67	33	4.73
ZZ22646		0.26	0.002	0.3	1.98	46	<10	300	1.0	<2	0.54	<0.5	19	84	21	3.87
ZZ22647		0.30	0.004	<0.2	2.12	11	<10	500	0.8	<2	0.37	<0.5	12	43	24	3.07
ZZ22648		0.20	0.020	<0.2	2.10	8	<10	470	0.6	<2	0.40	<0.5	15	19	9	3.83
ZZ22649		0.24	0.003	<0.2	1.96	11	<10	280	0.7	<2	0.12	<0.5	7	21	9	4.05
ZZ22650		0.16	0.003	0.2	1.71	9	<10	390	<0.5	<2	0.18	<0.5	8	25	11	3.77



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ22611		10	<1	0.09	30	0.66	617	1	0.03	17	770	15	0.06	2	7	48
ZZ22612		10	<1	0.13	100	0.63	954	1	0.03	18	1160	18	0.09	<2	7	61
ZZ22613		<10	<1	0.16	40	0.51	544	1	0.03	14	880	14	0.07	2	6	68
ZZ22614		10	<1	0.05	10	0.29	166	2	0.02	10	380	11	0.03	<2	3	16
ZZ22615		10	<1	0.25	20	0.43	1415	1	0.02	9	950	26	0.03	<2	6	20
ZZ22616		10	1	0.32	20	0.53	969	1	0.02	12	480	20	0.03	2	8	22
ZZ22617		<10	<1	0.14	20	0.20	781	1	0.02	6	620	17	0.03	<2	3	20
ZZ22618		<10	<1	0.08	10	0.46	1640	2	0.02	24	460	30	0.03	<2	4	28
ZZ22619		10	<1	0.07	10	0.62	527	2	0.02	37	380	18	0.04	<2	4	22
ZZ22620		<10	<1	0.13	20	0.59	583	11	0.03	45	510	18	0.04	2	7	26
ZZ22621		10	<1	0.05	10	0.10	140	2	0.02	7	300	12	0.06	2	1	13
ZZ22622		10	<1	0.06	10	0.37	441	2	0.02	15	300	15	0.03	2	3	17
ZZ22623		<10	<1	0.07	10	0.46	180	1	0.02	13	470	13	0.03	2	3	20
ZZ22624		<10	<1	0.07	20	0.42	216	1	0.02	13	520	15	0.03	<2	4	21
ZZ22625		<10	<1	0.08	20	0.45	285	1	0.02	13	610	19	0.04	<2	5	21
ZZ22626		<10	<1	0.07	10	0.38	882	1	0.02	13	660	14	0.06	<2	4	41
ZZ22627		<10	<1	0.08	20	0.64	641	2	0.03	13	910	10	0.06	<2	5	59
ZZ22628		10	<1	0.08	10	0.61	334	<1	0.02	17	590	12	0.06	2	6	25
ZZ22629		10	1	0.07	10	0.58	329	1	0.02	20	540	12	0.06	3	5	24
ZZ22630		10	<1	0.10	10	0.75	611	2	0.02	34	660	10	0.04	3	5	26
ZZ22631		10	1	0.09	10	0.71	2870	2	0.03	34	740	15	0.05	3	7	24
ZZ22632		10	<1	0.15	10	0.79	808	2	0.03	40	630	14	0.05	3	6	30
ZZ22633		10	<1	0.10	10	0.63	760	3	0.02	26	710	23	0.05	5	5	25
ZZ22634		10	<1	0.10	10	0.35	624	3	0.02	22	420	13	0.04	4	2	15
ZZ22635		10	1	0.18	20	0.78	559	<1	0.02	19	790	8	0.04	2	8	50
ZZ22636		10	1	0.11	20	0.82	401	1	0.02	22	550	8	0.04	2	7	50
ZZ22637		10	1	0.17	20	0.89	452	1	0.02	34	590	7	0.06	<2	7	51
ZZ22638		10	1	0.13	10	0.85	363	1	0.01	39	520	11	0.03	<2	6	20
ZZ22639		10	1	0.15	20	0.77	547	2	0.01	36	960	9	0.08	2	7	49
ZZ22640		10	1	0.16	20	0.82	506	6	0.01	32	680	7	0.04	3	7	33
ZZ22641		10	1	0.17	20	0.82	416	10	0.01	37	740	7	0.04	3	11	27
ZZ22642		10	1	0.09	10	0.57	514	13	0.01	33	890	10	0.03	3	7	29
ZZ22643		10	1	0.09	10	0.80	770	13	0.02	35	1090	6	0.03	3	6	25
ZZ22644		10	1	0.11	20	0.72	190	20	0.03	31	730	5	0.04	2	10	32
ZZ22645		<10	2	0.07	10	0.39	527	20	0.02	32	1190	8	0.03	8	11	32
ZZ22646		10	1	0.09	20	0.59	990	8	0.02	61	1220	17	0.07	6	8	50
ZZ22647		10	1	0.09	30	0.63	267	1	0.02	32	710	10	0.01	3	6	32
ZZ22648		10	<1	0.28	20	0.58	1925	1	0.01	10	1230	11	0.03	5	4	28
ZZ22649		10	<1	0.06	10	0.28	495	1	0.01	9	420	15	0.02	8	4	12
ZZ22650		10	<1	0.11	10	0.42	889	1	0.01	11	550	10	0.02	3	4	18



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ22611		<20	0.08	<10	<10	63	<10	81
ZZ22612		<20	0.06	<10	<10	66	<10	86
ZZ22613		<20	0.04	<10	<10	47	<10	97
ZZ22614		<20	0.07	<10	<10	63	<10	33
ZZ22615		20	0.06	<10	<10	57	<10	82
ZZ22616		20	0.09	<10	<10	66	<10	90
ZZ22617		20	0.03	<10	<10	29	<10	50
ZZ22618		<20	0.07	<10	<10	59	<10	54
ZZ22619		<20	0.09	<10	<10	70	<10	65
ZZ22620		<20	0.09	<10	<10	65	<10	88
ZZ22621		<20	0.04	<10	<10	50	<10	29
ZZ22622		<20	0.07	<10	<10	61	<10	41
ZZ22623		<20	0.07	<10	<10	44	<10	55
ZZ22624		<20	0.07	<10	<10	51	<10	54
ZZ22625		<20	0.06	<10	<10	53	<10	59
ZZ22626		<20	0.04	<10	10	45	<10	77
ZZ22627		<20	0.09	<10	<10	66	<10	82
ZZ22628		<20	0.08	<10	<10	60	<10	89
ZZ22629		<20	0.09	<10	<10	60	<10	96
ZZ22630		<20	0.10	<10	<10	86	<10	133
ZZ22631		<20	0.08	<10	<10	84	<10	129
ZZ22632		<20	0.09	<10	<10	82	<10	133
ZZ22633		<20	0.06	<10	<10	78	<10	106
ZZ22634		<20	0.05	<10	<10	86	<10	79
ZZ22635		<20	0.07	<10	<10	62	<10	93
ZZ22636		<20	0.09	<10	<10	71	<10	79
ZZ22637		<20	0.09	<10	<10	82	<10	96
ZZ22638		<20	0.13	<10	<10	96	<10	83
ZZ22639		<20	0.08	<10	<10	87	<10	104
ZZ22640		<20	0.11	<10	<10	91	<10	90
ZZ22641		<20	0.08	<10	<10	93	<10	83
ZZ22642		<20	0.03	<10	<10	98	<10	106
ZZ22643		<20	0.07	<10	<10	82	<10	89
ZZ22644		<20	0.09	<10	<10	96	<10	79
ZZ22645		<20	0.02	<10	<10	88	<10	85
ZZ22646		<20	0.04	<10	<10	75	<10	108
ZZ22647		<20	0.08	<10	<10	66	<10	71
ZZ22648		<20	0.07	<10	<10	64	<10	80
ZZ22649		<20	0.03	<10	<10	78	<10	62
ZZ22650		<20	0.11	<10	<10	87	<10	58



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
ZZ22741		0.36	0.011	0.3	2.57	11	<10	400	0.9	<2	0.57	<0.5	13	37	31	3.72
ZZ22742		0.42	0.010	0.2	1.99	7	<10	310	0.6	<2	0.63	<0.5	14	29	14	3.37
ZZ22743		0.26	0.009	0.4	2.12	9	<10	370	0.7	<2	0.85	<0.5	11	33	21	3.01
ZZ22745		0.42	0.005	0.4	1.78	26	<10	380	1.3	<2	0.47	0.5	11	38	20	2.86
ZZ22746		0.26	0.007	0.3	1.68	12	<10	240	0.9	<2	0.36	<0.5	7	29	20	2.34
ZZ22747		0.32	0.003	<0.2	0.85	7	<10	120	<0.5	<2	0.17	<0.5	2	11	5	1.21
ZZ22748		0.42	0.003	<0.2	1.42	12	<10	140	<0.5	<2	0.21	<0.5	11	24	6	2.71
ZZ22749		0.34	0.004	0.3	2.08	11	<10	430	1.1	<2	0.55	<0.5	11	29	17	3.44
ZZ22750		0.28	0.004	0.4	2.03	15	<10	230	0.7	<2	0.25	0.5	11	40	44	3.10
ZZ25501		0.20	0.003	<0.2	2.06	11	<10	280	0.6	<2	0.50	<0.5	8	25	10	3.39
ZZ25502		0.14	0.005	0.4	2.14	13	<10	370	0.6	<2	1.70	<0.5	16	62	30	3.25
ZZ25503		0.38	0.004	0.2	2.01	24	<10	380	0.8	<2	0.66	<0.5	15	40	32	4.12
ZZ25504		0.28	0.012	0.2	1.94	17	<10	230	0.5	<2	0.94	<0.5	15	63	42	3.26
ZZ25505		0.50	0.005	0.2	1.82	31	<10	290	0.6	<2	0.31	<0.5	10	43	29	2.93
ZZ25506		0.36	0.006	0.2	1.63	55	<10	220	<0.5	<2	0.33	<0.5	8	33	13	3.06
ZZ25507		0.30	0.005	0.2	1.65	40	<10	270	<0.5	<2	0.34	<0.5	7	33	18	2.63
ZZ25508		0.46	0.008	0.2	2.06	27	<10	520	0.6	<2	0.35	0.5	11	37	35	3.40
ZZ25509		0.34	0.007	0.5	2.08	27	<10	790	<0.5	<2	0.87	0.5	15	39	24	3.60
ZZ25510		0.48	0.004	<0.2	2.34	15	<10	360	0.5	<2	0.51	<0.5	16	34	21	4.25
ZZ25511		0.26	0.003	<0.2	2.09	7	<10	270	<0.5	<2	0.62	<0.5	9	28	17	2.71
ZZ25512		0.30	0.008	0.3	1.37	217	<10	370	<0.5	<2	0.24	<0.5	5	29	40	3.06
ZZ25513		0.34	0.005	1.0	1.31	102	<10	330	<0.5	2	0.18	1.0	8	30	49	4.45
ZZ25514		0.24	0.004	0.3	2.25	15	<10	370	<0.5	<2	0.54	<0.5	9	31	23	2.71
ZZ25515		0.32	0.006	0.2	2.40	17	<10	270	<0.5	2	0.56	<0.5	9	33	19	2.86
ZZ25516		0.28	0.009	0.2	2.07	20	<10	350	<0.5	<2	0.61	<0.5	11	29	16	3.01
ZZ25517		0.28	0.003	<0.2	2.21	3	<10	260	<0.5	<2	0.54	<0.5	11	31	15	2.62
ZZ25518		0.22	0.003	<0.2	1.87	11	<10	390	<0.5	<2	0.61	0.9	8	28	19	2.46
ZZ25519		0.30	0.018	<0.2	2.25	18	<10	280	<0.5	<2	0.58	<0.5	9	32	17	3.07
ZZ25520		0.40	0.003	<0.2	2.21	4	<10	210	<0.5	<2	0.50	<0.5	13	34	21	3.10
ZZ25521		0.22	0.003	<0.2	2.52	37	<10	350	0.8	<2	0.59	<0.5	23	96	42	4.93
ZZ25522		0.26	0.004	<0.2	2.36	31	<10	320	0.8	2	0.47	<0.5	15	91	38	4.27
ZZ25523		0.18	0.006	0.2	2.39	30	<10	480	0.9	<2	0.77	<0.5	15	81	48	3.95
ZZ25524		0.26	0.002	0.2	2.75	13	<10	270	<0.5	<2	0.37	<0.5	17	74	17	4.10
ZZ25525		0.28	0.005	0.2	3.08	41	<10	420	1.0	<2	0.33	<0.5	16	73	47	4.37
ZZ25526		0.24	0.003	0.3	2.05	25	<10	190	0.7	<2	0.25	<0.5	12	48	23	4.02
ZZ25527		0.26	0.004	<0.2	1.88	59	<10	250	0.5	<2	0.31	<0.5	13	44	18	3.69
ZZ25528		0.32	0.002	<0.2	1.82	60	<10	210	0.7	<2	0.29	<0.5	19	43	23	3.73
ZZ25529		0.32	0.002	<0.2	1.26	14	<10	210	0.5	<2	0.28	<0.5	7	26	10	2.09
ZZ25530		0.26	0.004	<0.2	2.17	12	<10	340	0.8	<2	0.84	<0.5	11	26	19	3.69
ZZ25531		0.28	0.002	0.2	2.39	10	<10	250	0.5	<2	0.24	<0.5	9	27	12	3.88



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ22741		10	1	0.10	70	0.69	698	<1	0.01	20	760	18	0.04	<2	8	57
ZZ22742		10	<1	0.08	30	0.61	1080	<1	0.01	15	670	12	0.03	<2	5	51
ZZ22743		10	1	0.08	50	0.54	816	1	0.02	16	1060	12	0.08	2	6	68
ZZ22745		10	<1	0.13	20	0.45	1420	4	0.01	21	630	24	0.04	3	5	37
ZZ22746		10	<1	0.09	20	0.35	594	1	0.01	15	410	16	0.03	2	4	31
ZZ22747		<10	<1	0.07	20	0.11	252	1	0.01	4	250	13	0.01	<2	2	18
ZZ22748		10	1	0.10	20	0.36	850	1	0.01	10	260	22	0.01	<2	3	23
ZZ22749		10	<1	0.15	60	0.55	680	1	0.02	14	830	15	0.04	2	10	45
ZZ22750		10	<1	0.10	20	0.43	635	3	0.01	27	570	18	0.03	2	3	26
ZZ25501		10	1	0.12	20	0.47	389	1	0.01	8	490	7	0.03	3	5	37
ZZ25502		10	1	0.18	10	0.87	1235	1	0.03	30	800	9	0.07	<2	5	74
ZZ25503		10	<1	0.29	20	0.64	727	2	0.02	31	490	7	0.02	3	10	49
ZZ25504		10	1	0.16	10	0.92	421	3	0.04	38	620	6	0.05	<2	7	72
ZZ25505		10	1	0.08	20	0.48	188	1	0.01	25	880	12	0.03	3	7	21
ZZ25506		10	<1	0.07	10	0.51	429	1	0.02	16	800	10	0.05	2	4	26
ZZ25507		10	1	0.07	10	0.50	195	1	0.02	18	690	9	0.03	3	4	26
ZZ25508		10	1	0.07	10	0.55	230	1	0.02	25	660	11	0.02	3	7	29
ZZ25509		10	<1	0.11	10	0.70	1720	2	0.02	20	1130	10	0.08	3	8	76
ZZ25510		10	<1	0.12	10	0.84	339	1	0.02	19	720	8	0.02	2	8	34
ZZ25511		10	<1	0.04	10	0.69	323	<1	0.01	13	990	9	0.05	<2	5	39
ZZ25512		10	<1	0.06	10	0.35	130	6	0.01	22	1240	15	0.05	4	3	20
ZZ25513		<10	<1	0.07	10	0.31	279	3	0.01	27	1040	61	0.03	6	3	20
ZZ25514		10	<1	0.05	10	0.71	299	<1	0.01	17	1060	11	0.05	<2	6	36
ZZ25515		10	<1	0.06	10	0.67	330	1	0.01	17	870	15	0.04	<2	6	37
ZZ25516		10	<1	0.06	10	0.59	1095	1	0.02	14	1100	10	0.05	<2	5	41
ZZ25517		10	1	0.05	10	0.78	395	<1	0.01	15	830	12	0.02	<2	6	34
ZZ25518		10	<1	0.05	10	0.65	281	1	0.01	16	900	10	0.04	<2	5	37
ZZ25519		10	<1	0.05	10	0.68	368	1	0.01	17	1030	12	0.04	<2	6	37
ZZ25520		10	<1	0.06	10	0.85	529	<1	0.02	18	880	12	0.01	<2	8	31
ZZ25521		10	<1	0.70	30	1.23	907	5	0.03	46	580	5	0.01	<2	12	36
ZZ25522		10	<1	0.44	10	0.98	518	11	0.02	59	450	8	<0.01	<2	11	30
ZZ25523		10	<1	0.31	10	0.93	702	3	0.03	56	670	7	0.02	<2	10	58
ZZ25524		10	<1	0.07	10	0.85	282	2	0.02	37	330	7	0.01	<2	5	26
ZZ25525		10	<1	0.17	10	0.77	678	2	0.02	43	710	8	0.01	<2	10	27
ZZ25526		10	<1	0.10	10	0.44	455	2	0.01	29	540	10	0.01	2	6	22
ZZ25527		10	1	0.10	10	0.45	387	3	0.01	23	790	10	0.02	2	4	24
ZZ25528		10	<1	0.09	20	0.39	2030	4	0.01	21	750	10	0.02	<2	5	21
ZZ25529		<10	<1	0.10	10	0.32	251	2	0.01	12	540	28	0.02	<2	3	39
ZZ25530		10	1	0.22	120	0.69	1105	1	0.02	15	1210	12	0.07	<2	9	101
ZZ25531		10	<1	0.16	20	0.66	434	1	0.01	16	320	11	0.01	<2	4	28



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ22741		<20	0.08	<10	<10	70	<10	80
ZZ22742		<20	0.07	<10	<10	65	<10	75
ZZ22743		<20	0.06	<10	<10	59	<10	77
ZZ22745		<20	0.03	<10	<10	58	<10	89
ZZ22746		<20	0.04	<10	<10	50	<10	54
ZZ22747		<20	0.03	<10	<10	29	<10	32
ZZ22748		<20	0.05	<10	<10	57	<10	50
ZZ22749		20	0.07	<10	<10	62	<10	75
ZZ22750		<20	0.06	<10	<10	66	<10	65
ZZ25501		<20	0.01	<10	<10	60	<10	75
ZZ25502		<20	0.13	<10	<10	72	<10	63
ZZ25503		<20	0.05	<10	<10	76	<10	74
ZZ25504		<20	0.12	<10	<10	92	<10	70
ZZ25505		<20	0.06	<10	<10	78	<10	105
ZZ25506		<20	0.08	<10	<10	74	<10	88
ZZ25507		<20	0.07	<10	<10	75	<10	91
ZZ25508		<20	0.07	<10	<10	83	<10	115
ZZ25509		<20	0.08	<10	<10	92	<10	125
ZZ25510		<20	0.14	<10	<10	106	<10	95
ZZ25511		<20	0.05	<10	<10	70	<10	72
ZZ25512		<20	0.06	<10	<10	71	<10	70
ZZ25513		<20	0.04	<10	<10	62	<10	221
ZZ25514		<20	0.05	<10	<10	71	<10	86
ZZ25515		<20	0.06	<10	<10	72	<10	88
ZZ25516		<20	0.08	<10	<10	78	<10	97
ZZ25517		<20	0.09	<10	<10	70	<10	84
ZZ25518		<20	0.05	<10	<10	68	<10	102
ZZ25519		<20	0.06	<10	<10	78	<10	74
ZZ25520		<20	0.10	<10	<10	81	<10	80
ZZ25521		<20	0.25	<10	<10	115	<10	73
ZZ25522		<20	0.16	<10	<10	109	<10	87
ZZ25523		<20	0.10	<10	<10	91	<10	65
ZZ25524		<20	0.17	<10	<10	108	<10	62
ZZ25525		<20	0.09	<10	<10	115	<10	80
ZZ25526		<20	0.06	<10	<10	84	<10	61
ZZ25527		<20	0.06	<10	<10	81	<10	71
ZZ25528		<20	0.04	<10	<10	65	<10	72
ZZ25529		<20	0.03	<10	<10	48	<10	57
ZZ25530		20	0.10	<10	30	65	<10	106
ZZ25531		<20	0.09	<10	<10	76	<10	70



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ25532		0.30	0.003	0.2	2.54	10	<10	230	0.5	<2	0.28	<0.5	12	33	13	4.20
ZZ25533		0.38	0.002	<0.2	2.25	7	<10	180	0.5	<2	0.35	<0.5	10	25	11	4.49
ZZ25534		0.36	0.006	<0.2	1.92	16	<10	270	<0.5	<2	0.36	<0.5	11	26	11	3.94
ZZ25535		0.32	0.003	<0.2	2.41	10	<10	220	0.6	<2	0.45	<0.5	10	32	18	4.13
ZZ25536		0.30	0.003	<0.2	2.44	4	<10	260	0.5	<2	0.42	<0.5	13	31	17	4.44
ZZ25537		0.34	0.028	<0.2	2.16	3	<10	230	<0.5	<2	0.44	<0.5	10	27	16	4.06
ZZ25538		0.26	0.005	0.2	2.39	6	<10	240	0.5	<2	0.43	<0.5	9	33	23	4.19
ZZ25539		0.32	0.002	<0.2	2.34	7	<10	170	0.5	<2	0.26	<0.5	10	28	16	4.68
ZZ25540		0.36	0.002	<0.2	1.78	4	<10	290	0.6	<2	0.46	<0.5	10	21	12	3.90
ZZ25541		0.32	0.003	<0.2	2.35	4	<10	290	0.6	<2	0.35	<0.5	12	31	20	3.86
ZZ25542		0.30	0.007	<0.2	4.01	14	<10	220	1.0	<2	0.27	<0.5	16	29	15	5.58
ZZ25543		0.20	0.003	<0.2	2.57	7	<10	570	0.5	<2	0.37	<0.5	11	31	13	4.74
ZZ25544		0.28	0.003	<0.2	1.64	20	<10	120	<0.5	<2	0.24	<0.5	5	35	11	2.86
ZZ25545		0.36	0.005	<0.2	1.83	31	<10	190	0.6	<2	0.26	<0.5	6	39	20	2.65
ZZ25546		0.36	0.004	<0.2	1.81	38	<10	160	0.9	<2	0.28	<0.5	10	39	22	2.68
ZZ25547		0.24	0.006	<0.2	1.54	21	<10	120	<0.5	<2	0.14	<0.5	4	31	14	4.17
ZZ25548		0.28	0.002	<0.2	1.42	98	<10	140	0.7	<2	0.15	<0.5	16	40	48	4.43
ZZ25549		0.52	0.003	<0.2	1.99	55	<10	310	0.7	<2	0.52	<0.5	22	211	36	3.71
ZZ25550		0.26	0.003	<0.2	1.75	65	<10	300	0.7	<2	0.54	<0.5	17	136	40	3.61
ZZ25551		0.22	0.010	<0.2	2.09	41	<10	370	<0.5	<2	0.30	0.6	12	33	17	3.71
ZZ25552		0.34	0.009	0.5	1.36	15	<10	440	<0.5	<2	0.42	<0.5	10	21	8	2.71
ZZ25553		0.26	0.007	0.5	1.71	7	<10	370	<0.5	<2	0.34	0.5	6	27	9	2.34
ZZ25554		0.26	0.005	0.3	1.81	6	<10	230	<0.5	<2	0.27	<0.5	6	29	8	1.97
ZZ25555		0.44	0.005	0.3	1.93	8	<10	240	<0.5	<2	0.25	<0.5	8	30	10	2.97
ZZ25556		0.32	0.004	0.4	1.51	9	<10	220	<0.5	<2	0.23	<0.5	4	25	7	3.29
ZZ25557		0.20	0.005	0.2	3.40	4	<10	390	0.6	<2	0.69	<0.5	20	36	25	6.00
ZZ25558		0.20	0.003	<0.2	2.28	8	<10	180	0.5	<2	0.37	<0.5	13	29	10	3.90
ZZ25559		0.30	0.003	<0.2	2.16	4	<10	370	0.9	<2	2.12	<0.5	21	28	14	6.29
ZZ25560		0.36	0.003	0.2	2.26	8	<10	370	0.6	<2	0.47	<0.5	11	36	27	3.29
ZZ25561		0.36	0.004	<0.2	1.61	4	<10	320	<0.5	<2	0.85	<0.5	6	29	27	2.15
ZZ25562		0.54	0.003	0.3	1.17	33	<10	350	0.6	<2	0.54	0.8	7	25	36	2.17
ZZ25563		0.20	0.004	0.3	1.73	18	<10	650	0.8	<2	1.03	<0.5	12	27	44	4.11
ZZ25564		0.44	0.003	0.3	2.53	10	<10	430	0.9	<2	0.85	<0.5	13	27	31	4.63
ZZ25565		0.30	0.001	0.2	3.26	9	<10	210	0.5	<2	0.26	<0.5	12	30	14	5.66
ZZ25566		0.40	0.003	0.4	3.45	10	<10	150	0.7	<2	0.14	<0.5	11	31	20	5.18
ZZ25681		0.30	0.004	<0.2	1.70	8	<10	200	<0.5	<2	0.12	<0.5	6	22	11	3.46
ZZ25682		0.28	0.003	<0.2	1.85	9	<10	160	<0.5	<2	0.15	<0.5	6	24	10	3.60
ZZ25683		0.26	0.001	<0.2	2.03	8	<10	150	0.5	<2	0.10	<0.5	5	24	12	3.68
ZZ25684		0.24	0.002	0.2	2.08	11	<10	280	<0.5	<2	0.27	<0.5	9	33	17	4.04
ZZ25685		0.30	<0.001	<0.2	1.04	13	<10	630	0.7	<2	0.34	<0.5	7	13	9	3.97



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ25532		10	<1	0.16	10	0.70	1015	1	0.01	17	530	12	0.01	<2	4	30
ZZ25533		10	<1	0.34	20	0.92	660	1	0.01	12	570	10	0.01	<2	5	33
ZZ25534		10	<1	0.42	20	0.78	792	1	0.01	12	260	12	0.01	<2	5	42
ZZ25535		10	<1	0.25	20	0.84	616	1	0.02	16	490	11	0.01	<2	6	41
ZZ25536		10	<1	0.37	30	0.97	798	<1	0.02	17	640	11	0.01	<2	6	35
ZZ25537		10	<1	0.42	20	0.90	648	1	0.01	15	660	11	0.01	<2	5	33
ZZ25538		10	<1	0.20	20	0.56	635	1	0.01	14	450	18	<0.01	<2	5	43
ZZ25539		10	<1	0.30	10	0.79	672	1	0.01	14	800	10	<0.01	2	6	21
ZZ25540		10	<1	0.30	50	0.82	861	<1	0.01	10	720	11	<0.01	<2	7	39
ZZ25541		10	<1	0.20	30	0.81	814	<1	0.02	21	540	9	0.01	<2	7	31
ZZ25542		10	<1	0.44	20	1.17	1095	<1	0.01	18	1270	15	0.01	<2	7	17
ZZ25543		10	<1	0.06	10	0.69	634	1	0.02	19	400	12	0.01	2	4	43
ZZ25544		10	<1	0.05	10	0.39	230	4	0.01	13	570	18	0.02	5	4	22
ZZ25545		10	<1	0.06	10	0.43	169	1	0.01	17	440	23	<0.01	5	6	25
ZZ25546		<10	<1	0.06	10	0.46	461	2	0.01	21	620	22	0.01	6	4	27
ZZ25547		10	<1	0.04	10	0.25	283	3	0.02	12	540	16	0.02	3	2	14
ZZ25548		<10	<1	0.11	10	0.24	384	10	0.03	40	420	32	0.14	11	6	29
ZZ25549		10	<1	0.09	10	0.90	698	7	0.03	56	340	11	0.03	3	10	43
ZZ25550		<10	<1	0.09	10	0.73	503	5	0.03	51	350	8	0.05	3	9	45
ZZ25551		10	<1	0.17	10	0.67	508	1	0.03	19	490	15	0.01	2	6	30
ZZ25552		<10	<1	0.06	20	0.30	1060	1	0.02	9	920	15	0.04	<2	4	33
ZZ25553		<10	<1	0.08	20	0.40	618	<1	0.02	13	680	12	0.04	2	4	27
ZZ25554		10	<1	0.06	20	0.41	385	<1	0.02	13	580	15	0.02	<2	3	19
ZZ25555		10	<1	0.06	20	0.44	283	1	0.02	15	730	16	0.03	<2	3	19
ZZ25556		10	<1	0.04	10	0.27	241	2	0.02	9	810	16	0.06	<2	2	19
ZZ25557		10	<1	0.17	10	1.47	1050	1	0.03	13	1110	7	0.04	3	12	34
ZZ25558		10	<1	0.10	10	0.70	425	1	0.03	14	650	10	0.02	<2	5	27
ZZ25559		10	<1	0.25	20	1.60	1045	1	0.03	9	1570	7	0.03	<2	24	81
ZZ25560		10	<1	0.08	20	0.67	363	1	0.03	21	750	14	0.02	<2	8	37
ZZ25561		10	<1	0.13	20	0.47	547	<1	0.03	13	650	11	0.17	<2	6	67
ZZ25562		<10	<1	0.11	20	0.33	212	2	0.02	18	850	20	0.04	3	6	41
ZZ25563		<10	<1	0.20	40	0.60	709	1	0.03	23	1050	15	0.06	<2	7	94
ZZ25564		10	<1	0.43	110	0.95	779	<1	0.02	16	960	11	0.03	<2	14	66
ZZ25565		10	<1	0.13	10	1.06	615	1	0.02	16	460	13	0.02	<2	6	26
ZZ25566		10	<1	0.07	20	0.62	450	1	0.02	18	480	16	0.01	3	5	16
ZZ25681		10	<1	0.06	10	0.27	454	1	0.02	11	330	22	0.02	<2	3	13
ZZ25682		10	<1	0.10	20	0.38	789	1	0.01	10	360	19	0.01	<2	3	16
ZZ25683		10	<1	0.07	20	0.29	287	1	0.02	11	290	15	0.01	<2	4	11
ZZ25684		10	<1	0.10	10	0.57	398	1	0.02	18	370	17	0.02	<2	4	23
ZZ25685		<10	<1	0.11	20	0.21	846	1	0.02	7	1240	28	0.02	<2	5	24



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ25532		<20	0.14	<10	<10	91	<10	127
ZZ25533		<20	0.21	<10	<10	92	<10	86
ZZ25534		<20	0.21	<10	<10	92	<10	83
ZZ25535		<20	0.19	<10	<10	85	<10	78
ZZ25536		<20	0.24	<10	<10	94	<10	89
ZZ25537		<20	0.25	<10	<10	87	<10	85
ZZ25538		<20	0.16	<10	<10	99	<10	69
ZZ25539		<20	0.19	<10	<10	89	<10	88
ZZ25540		20	0.19	<10	<10	71	<10	89
ZZ25541		<20	0.15	<10	<10	74	<10	79
ZZ25542		20	0.18	<10	<10	94	<10	113
ZZ25543		<20	0.14	<10	<10	102	<10	88
ZZ25544		<20	0.06	<10	<10	64	<10	51
ZZ25545		<20	0.08	<10	<10	61	<10	56
ZZ25546		<20	0.08	<10	<10	56	<10	57
ZZ25547		<20	0.10	<10	<10	105	<10	58
ZZ25548		<20	0.03	<10	<10	85	<10	66
ZZ25549		<20	0.07	<10	<10	126	<10	73
ZZ25550		<20	0.04	<10	<10	105	<10	81
ZZ25551		<20	0.10	<10	<10	91	<10	116
ZZ25552		<20	0.04	<10	<10	46	<10	63
ZZ25553		<20	0.06	<10	<10	39	<10	70
ZZ25554		<20	0.06	<10	<10	47	<10	61
ZZ25555		<20	0.06	<10	<10	55	<10	66
ZZ25556		<20	0.04	<10	<10	76	<10	36
ZZ25557		<20	0.16	<10	<10	174	<10	92
ZZ25558		<20	0.06	<10	<10	85	<10	72
ZZ25559		<20	0.05	<10	<10	139	<10	97
ZZ25560		<20	0.07	<10	<10	71	<10	72
ZZ25561		<20	0.08	<10	<10	45	<10	62
ZZ25562		<20	0.04	<10	<10	54	<10	153
ZZ25563		<20	0.08	<10	<10	69	<10	98
ZZ25564		20	0.16	<10	<10	88	<10	85
ZZ25565		<20	0.21	<10	<10	126	<10	91
ZZ25566		<20	0.21	<10	<10	123	<10	110
ZZ25681		<20	0.05	<10	<10	75	<10	61
ZZ25682		<20	0.06	<10	<10	75	<10	65
ZZ25683		<20	0.06	<10	<10	78	<10	55
ZZ25684		<20	0.08	<10	<10	81	<10	60
ZZ25685		<20	0.02	<10	<10	47	<10	90



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CERTIFICATE OF ANALYSIS WH11151855

Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ25686		0.22	<0.001	0.4	1.67	6	<10	600	<0.5	<2	0.43	<0.5	6	19	12	3.16
ZZ25687		0.34	<0.001	<0.2	2.53	11	<10	390	0.5	<2	0.24	<0.5	9	35	20	3.78
ZZ25688		0.24	0.001	0.4	2.34	10	<10	460	0.6	<2	0.44	<0.5	7	29	14	3.60
ZZ25689		0.28	0.005	<0.2	1.42	11	<10	200	<0.5	<2	0.25	<0.5	7	26	11	2.25
ZZ25690		0.38	0.001	0.2	1.57	13	<10	240	<0.5	<2	0.29	<0.5	10	27	7	3.14
ZZ25691		0.26	0.006	0.3	1.61	13	<10	270	0.8	<2	0.26	<0.5	10	28	11	3.19
ZZ25692		0.20	0.003	<0.2	2.62	13	<10	150	0.6	<2	0.25	<0.5	12	39	24	3.64
ZZ25693		0.26	0.003	<0.2	2.41	11	<10	150	0.6	<2	0.27	<0.5	11	32	17	3.10
ZZ25701		0.30	0.005	0.3	2.20	17	<10	360	0.7	<2	0.49	<0.5	16	43	39	3.59
ZZ25702		0.28	0.001	<0.2	2.29	6	<10	250	<0.5	<2	0.54	<0.5	14	33	11	3.78
ZZ25703		0.32	0.003	<0.2	2.10	7	<10	190	<0.5	<2	0.44	<0.5	10	32	17	3.02
ZZ25704		0.38	0.002	0.2	2.35	16	<10	280	0.8	<2	0.49	<0.5	16	34	22	4.29
ZZ25705		0.42	0.002	0.2	2.70	14	<10	310	0.6	<2	0.48	<0.5	20	40	20	4.09
ZZ25706		0.28	0.002	<0.2	2.63	13	<10	370	0.6	<2	0.53	<0.5	18	40	24	4.07
ZZ25707		0.38	0.002	0.2	2.52	13	<10	280	0.6	<2	0.66	<0.5	16	51	21	3.98
ZZ25708		0.30	0.002	<0.2	2.49	7	<10	430	0.6	<2	0.48	<0.5	13	36	15	3.79
ZZ25709		0.40	0.007	<0.2	1.80	9	<10	610	0.9	<2	0.31	<0.5	11	32	20	3.29
ZZ25710		0.22	0.002	0.3	2.27	13	<10	720	1.1	<2	0.39	<0.5	11	33	24	3.15
ZZ25711		0.34	0.006	0.2	1.85	28	<10	420	0.8	<2	0.34	<0.5	11	30	14	3.16
ZZ25712		0.22	0.003	<0.2	1.34	10	<10	180	0.5	<2	0.19	<0.5	8	29	12	4.00
ZZ25721		0.28	0.002	0.4	1.87	38	<10	470	1.3	<2	0.89	<0.5	22	83	48	4.25
ZZ25722		0.26	0.010	0.2	2.35	77	<10	900	1.0	<2	0.29	<0.5	17	61	36	4.10
ZZ25723		0.40	0.005	<0.2	2.97	13	<10	280	0.5	<2	0.35	<0.5	13	36	19	4.36
ZZ25724		0.34	0.001	<0.2	2.52	11	<10	240	0.5	<2	0.31	<0.5	14	31	13	4.42
ZZ25725		0.30	0.002	<0.2	1.74	7	<10	210	0.7	<2	0.16	<0.5	8	19	10	2.63
ZZ25726		0.38	0.001	<0.2	1.94	11	<10	240	0.7	<2	0.28	<0.5	12	31	16	3.20
ZZ25727		0.32	0.001	0.2	2.60	27	<10	300	0.8	<2	0.22	<0.5	16	42	23	4.40
ZZ25728		0.30	0.006	0.3	1.76	34	<10	570	0.7	<2	0.49	<0.5	19	52	37	3.88
ZZ25729		0.34	0.005	<0.2	1.92	127	<10	410	0.9	<2	0.70	<0.5	24	70	38	4.82
ZZ25730		0.20	0.003	0.2	1.24	46	<10	490	<0.5	<2	1.86	0.9	14	38	42	2.82



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CERTIFICATE OF ANALYSIS WH11151855

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
ZZ25686		10	<1	0.08	20	0.25	733	1	0.02	10	400	16	0.02	<2	3	36
ZZ25687		10	<1	0.09	10	0.61	361	1	0.02	22	360	16	0.01	<2	5	22
ZZ25688		10	<1	0.11	10	0.50	409	1	0.02	15	360	16	0.02	<2	4	38
ZZ25689		<10	<1	0.05	10	0.37	698	1	0.02	12	600	13	0.03	<2	3	19
ZZ25690		10	<1	0.06	10	0.50	772	1	0.02	13	710	17	0.03	<2	3	21
ZZ25691		<10	<1	0.07	10	0.39	1280	1	0.02	14	820	32	0.04	<2	3	19
ZZ25692		10	<1	0.08	10	0.64	569	1	0.02	28	520	15	0.05	<2	3	20
ZZ25693		<10	<1	0.06	10	0.40	627	1	0.02	21	600	16	0.04	2	3	21
ZZ25701		10	<1	0.12	20	0.78	595	2	0.03	28	1000	13	0.07	4	6	37
ZZ25702		10	<1	0.12	10	0.95	429	<1	0.03	14	1020	11	0.02	2	5	29
ZZ25703		10	<1	0.10	10	0.77	230	<1	0.03	14	830	11	0.02	2	6	25
ZZ25704		10	<1	0.12	20	0.77	604	<1	0.03	16	830	18	0.02	2	8	35
ZZ25705		10	<1	0.13	20	0.95	500	1	0.03	18	940	10	0.03	2	8	32
ZZ25706		10	<1	0.18	20	1.15	342	<1	0.03	19	990	11	0.02	2	10	33
ZZ25707		10	<1	0.14	20	1.26	346	1	0.05	25	1100	8	0.02	2	10	51
ZZ25708		10	<1	0.11	10	0.73	388	1	0.03	17	670	15	0.03	2	8	38
ZZ25709		<10	<1	0.09	20	0.44	729	1	0.02	21	510	21	0.02	2	6	32
ZZ25710		10	<1	0.09	20	0.45	661	1	0.02	19	980	21	0.06	<2	5	43
ZZ25711		10	<1	0.09	10	0.51	553	1	0.02	16	610	18	0.02	<2	5	31
ZZ25712		10	<1	0.07	10	0.28	412	1	0.02	14	520	26	0.02	<2	3	19
ZZ25721		10	<1	0.11	20	0.53	705	4	0.03	71	1450	6	0.05	2	13	54
ZZ25722		10	<1	0.19	20	0.63	685	3	0.03	39	780	9	0.04	3	7	30
ZZ25723		10	<1	0.09	10	0.83	470	1	0.02	23	430	14	0.01	2	5	31
ZZ25724		10	<1	0.10	20	0.67	619	2	0.02	16	380	19	0.01	2	5	34
ZZ25725		<10	<1	0.11	10	0.30	622	1	0.02	12	210	23	0.01	<2	2	25
ZZ25726		10	<1	0.10	10	0.49	716	1	0.02	17	290	22	0.01	2	4	28
ZZ25727		10	<1	0.16	10	0.58	543	1	0.02	29	390	16	0.03	2	4	23
ZZ25728		10	<1	0.14	10	0.59	997	2	0.02	50	650	10	0.02	3	7	45
ZZ25729		<10	<1	0.19	20	0.62	845	1	0.03	82	840	9	0.02	4	11	65
ZZ25730		<10	<1	0.09	10	0.66	556	2	0.03	37	1060	9	0.13	4	4	169



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CERTIFICATE OF ANALYSIS WH11151855

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ25686		<20	0.03	<10	<10	62	<10	57
ZZ25687		<20	0.07	<10	<10	72	<10	60
ZZ25688		<20	0.04	<10	<10	64	<10	60
ZZ25689		<20	0.05	<10	<10	47	<10	49
ZZ25690		<20	0.06	<10	<10	67	<10	69
ZZ25691		<20	0.04	<10	<10	56	<10	68
ZZ25692		<20	0.09	<10	<10	74	<10	75
ZZ25693		<20	0.07	<10	<10	57	<10	57
ZZ25701		<20	0.10	<10	<10	91	<10	94
ZZ25702		<20	0.17	<10	<10	97	<10	87
ZZ25703		<20	0.14	<10	<10	83	<10	68
ZZ25704		<20	0.12	<10	<10	90	<10	78
ZZ25705		<20	0.15	<10	<10	108	<10	84
ZZ25706		<20	0.21	<10	<10	114	<10	88
ZZ25707		<20	0.17	<10	<10	99	<10	82
ZZ25708		<20	0.09	<10	<10	82	<10	84
ZZ25709		<20	0.06	<10	<10	58	<10	82
ZZ25710		<20	0.04	<10	<10	54	<10	67
ZZ25711		<20	0.05	<10	<10	54	<10	74
ZZ25712		<20	0.04	<10	<10	62	<10	70
ZZ25721		<20	0.01	<10	<10	76	<10	86
ZZ25722		<20	0.08	<10	<10	82	<10	82
ZZ25723		<20	0.18	<10	<10	93	<10	84
ZZ25724		<20	0.08	<10	<10	82	<10	82
ZZ25725		20	0.03	<10	<10	44	<10	53
ZZ25726		<20	0.06	<10	<10	62	<10	60
ZZ25727		<20	0.05	<10	<10	75	<10	105
ZZ25728		<20	0.06	<10	<10	75	<10	88
ZZ25729		<20	0.05	<10	<10	80	<10	106
ZZ25730		<20	0.06	<10	10	50	<10	72



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This report is for 202 Soil samples submitted to our lab in Whitehorse, YT, Canada on 29-JUL- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS WH11145418

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ22011		0.14	0.003	<0.2	1.64	15	<10	160	<0.5	<2	0.31	<0.5	8	43	21	2.13
ZZ22012		0.18	0.003	<0.2	1.65	43	<10	200	<0.5	<2	0.29	<0.5	6	42	26	4.91
ZZ22013		0.30	0.002	<0.2	1.75	18	<10	210	<0.5	<2	0.35	<0.5	8	44	18	2.80
ZZ22014		0.22	0.004	0.4	1.98	22	<10	250	<0.5	<2	0.31	<0.5	9	50	32	3.33
ZZ22015		0.34	0.002	0.2	1.63	51	<10	170	0.5	<2	0.26	<0.5	8	52	35	5.56
ZZ22016		0.36	0.007	0.2	1.83	35	<10	320	0.6	<2	0.28	<0.5	10	42	34	4.14
ZZ22017		0.36	0.004	0.7	1.79	254	<10	490	0.5	<2	0.19	<0.5	11	33	32	6.10
ZZ22018		0.20	0.005	0.6	2.35	22	<10	270	0.6	2	0.17	0.7	11	47	57	3.89
ZZ22019		0.34	0.005	0.4	1.97	22	<10	390	0.5	2	0.37	0.6	10	44	56	3.62
ZZ22020		0.22	0.004	<0.2	1.49	17	<10	90	<0.5	2	0.10	<0.5	5	28	21	2.84
ZZ22059		0.12	0.004	<0.2	1.57	20	<10	2670	<0.5	<2	0.27	0.5	12	55	36	3.31
ZZ22060		0.14	0.004	0.3	2.46	37	<10	2090	0.7	2	0.29	0.5	16	56	39	3.96
ZZ22061		0.14	0.004	1.3	2.95	50	<10	3540	1.3	2	0.70	<0.5	12	54	57	4.02
ZZ22062		0.14	0.010	2.4	2.91	125	<10	2130	0.7	2	0.76	0.5	9	66	64	4.36
ZZ22063		0.22	0.007	1.0	2.21	51	<10	1650	0.7	3	0.48	1.0	53	57	50	4.80
ZZ22064		0.22	0.006	0.6	2.05	47	<10	760	0.6	2	0.31	<0.5	23	58	30	4.51
ZZ22065		0.10	0.007	0.6	1.81	23	<10	880	0.5	<2	0.72	0.8	23	94	43	2.84
ZZ22066		0.14	0.005	0.2	1.46	19	<10	500	<0.5	3	0.19	0.5	6	39	26	2.59
ZZ22067		0.12	0.017	1.4	2.46	60	<10	1730	0.5	2	0.28	1.5	13	60	75	3.95
ZZ22068		0.16	0.001	0.3	2.61	25	<10	180	0.5	<2	0.17	<0.5	8	48	21	4.66
ZZ22069		0.20	0.003	0.6	1.91	16	<10	610	0.7	<2	0.12	0.5	9	53	60	4.22
ZZ22070		0.14	0.005	0.6	2.27	53	<10	630	0.8	2	0.26	0.8	23	78	64	4.83
ZZ22071		0.20	0.003	0.5	2.26	22	<10	230	0.5	2	0.17	<0.5	11	40	37	3.98
ZZ22072		0.22	0.005	0.2	2.55	22	<10	250	0.5	<2	0.23	0.7	13	45	37	3.54
ZZ22073		0.16	0.003	0.4	1.34	106	<10	500	<0.5	<2	0.28	1.9	8	36	33	3.40
ZZ22074		0.16	0.004	1.1	1.13	44	<10	400	<0.5	<2	0.20	7.9	10	29	43	2.95
ZZ22075		0.12	0.005	0.3	2.12	21	<10	510	0.5	<2	0.68	0.7	14	64	39	4.18
ZZ22076		0.24	0.002	0.2	1.80	7	<10	310	0.6	2	0.75	0.6	10	81	41	2.01
ZZ22077		0.40	0.001	<0.2	2.16	5	<10	220	0.8	3	0.80	<0.5	22	182	28	3.82
ZZ22078		0.16	0.006	<0.2	1.78	5	<10	180	0.7	2	1.06	<0.5	23	194	24	4.18
ZZ22079		0.30	0.002	0.2	2.18	6	<10	190	0.9	<2	0.77	<0.5	28	233	42	4.74
ZZ22080		0.30	0.002	<0.2	2.45	3	<10	360	1.0	2	1.10	<0.5	32	350	47	4.23
ZZ22081		0.24	0.002	<0.2	2.21	5	<10	190	0.7	<2	0.80	<0.5	22	137	13	4.29
ZZ22082		0.14	0.007	0.5	1.67	35	<10	580	0.6	2	0.67	0.9	28	66	32	8.83
ZZ22083		0.20	0.003	0.3	1.61	33	<10	230	<0.5	2	0.13	0.5	9	30	25	3.33
ZZ22084		0.18	0.004	0.7	1.47	31	<10	190	<0.5	2	0.20	0.9	9	27	21	2.66
ZZ22085		0.18	0.003	0.3	1.01	17	<10	100	<0.5	2	0.11	0.5	4	21	16	2.05
ZZ22086		0.40	0.002	<0.2	1.99	11	<10	150	<0.5	2	0.41	<0.5	10	60	13	3.04
ZZ22087		0.30	0.004	0.2	2.05	18	<10	230	0.6	3	0.68	<0.5	15	100	26	3.53
ZZ22088		0.32	0.003	<0.2	1.85	15	<10	180	0.5	<2	0.51	<0.5	13	71	20	3.37



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CERTIFICATE OF ANALYSIS WH11145418

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ22011		<10	<1	0.06	10	0.56	196	1	0.02	19	730	13	0.03	<2	4	21
ZZ22012		<10	<1	0.06	10	0.52	226	3	0.02	17	1080	14	0.06	2	4	23
ZZ22013		10	1	0.07	10	0.68	289	2	0.02	20	950	14	0.03	<2	4	24
ZZ22014		10	<1	0.08	10	0.64	256	2	0.02	26	780	19	0.04	2	6	23
ZZ22015		<10	<1	0.05	10	0.44	169	1	0.02	18	680	10	0.04	3	8	18
ZZ22016		<10	1	0.07	10	0.41	189	2	0.02	22	740	14	0.03	4	7	20
ZZ22017		<10	<1	0.08	10	0.32	267	8	0.01	17	840	22	0.04	8	5	27
ZZ22018		10	1	0.10	10	0.48	441	3	0.02	37	790	10	0.06	<2	5	20
ZZ22019		10	<1	0.09	10	0.60	323	2	0.02	36	920	7	0.02	2	6	29
ZZ22020		10	<1	0.05	10	0.23	203	2	0.01	15	350	11	0.03	<2	2	12
ZZ22059		10	1	0.15	10	0.51	323	1	0.06	42	840	7	0.07	<2	5	34
ZZ22060		10	<1	0.13	10	0.53	486	2	0.05	53	660	14	0.04	2	8	40
ZZ22061		10	<1	0.14	20	0.54	818	2	0.08	47	1070	11	0.07	<2	8	54
ZZ22062		10	1	0.21	10	0.62	508	6	0.05	56	1260	12	0.08	3	8	73
ZZ22063		<10	1	0.18	10	0.61	8600	3	0.04	49	950	11	0.05	3	9	40
ZZ22064		10	1	0.16	10	0.63	1065	2	0.03	31	770	8	0.02	2	7	23
ZZ22065		<10	<1	0.06	10	0.72	416	<1	0.04	58	1320	11	0.13	<2	9	56
ZZ22066		<10	1	0.05	10	0.43	136	2	0.02	23	830	8	0.07	<2	2	18
ZZ22067		10	<1	0.13	10	0.55	467	3	0.04	41	1590	26	0.09	3	7	38
ZZ22068		10	1	0.07	10	0.34	549	2	0.02	20	550	12	0.03	<2	4	17
ZZ22069		10	1	0.27	10	0.62	412	3	0.03	36	750	9	0.21	2	6	17
ZZ22070		10	<1	0.28	10	0.82	947	2	0.03	64	1140	18	0.07	<2	9	21
ZZ22071		10	<1	0.06	10	0.38	284	2	0.02	39	510	9	0.04	2	4	19
ZZ22072		10	<1	0.09	10	0.74	440	<1	0.02	35	470	9	0.03	<2	6	19
ZZ22073		10	<1	0.12	10	0.37	343	2	0.03	30	630	9	0.04	24	3	25
ZZ22074		<10	<1	0.09	10	0.23	458	3	0.02	30	620	13	0.03	2	2	26
ZZ22075		10	<1	0.09	10	0.66	774	1	0.03	33	760	14	0.10	<2	7	44
ZZ22076		<10	1	0.08	10	0.75	179	<1	0.03	39	920	18	0.06	2	8	121
ZZ22077		10	<1	0.07	10	1.34	109	<1	0.03	80	1370	5	0.03	<2	13	64
ZZ22078		<10	<1	0.06	10	1.31	602	<1	0.03	103	1610	4	0.05	<2	11	84
ZZ22079		10	1	0.08	10	1.49	678	<1	0.03	143	1410	7	0.03	<2	16	63
ZZ22080		10	1	0.07	10	2.55	363	<1	0.03	258	1370	7	0.06	<2	16	115
ZZ22081		10	<1	0.08	10	1.15	530	<1	0.02	50	1700	6	0.03	<2	11	59
ZZ22082		<10	<1	0.06	10	0.63	2870	3	0.03	56	1010	9	0.07	<2	6	89
ZZ22083		10	1	0.08	10	0.31	433	2	0.02	24	460	11	0.02	<2	4	16
ZZ22084		10	<1	0.06	10	0.28	438	1	0.02	23	540	10	0.02	<2	3	20
ZZ22085		<10	<1	0.04	10	0.15	197	1	0.02	12	450	7	0.03	<2	1	14
ZZ22086		10	<1	0.14	10	0.81	410	<1	0.03	24	850	11	0.01	<2	4	30
ZZ22087		10	1	0.09	20	1.15	466	2	0.04	45	1290	21	0.05	<2	5	85
ZZ22088		<10	<1	0.17	10	0.88	552	<1	0.03	27	1260	13	0.02	<2	5	34



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ22011		<20	0.09	<10	<10	58	<10	70
ZZ22012		<20	0.07	<10	<10	95	<10	70
ZZ22013		<20	0.10	<10	<10	76	<10	90
ZZ22014		<20	0.08	<10	<10	79	<10	111
ZZ22015		<20	0.04	<10	<10	105	<10	70
ZZ22016		<20	0.05	<10	<10	83	<10	90
ZZ22017		<20	0.02	<10	<10	77	<10	114
ZZ22018		<20	0.08	<10	<10	88	<10	127
ZZ22019		<20	0.11	<10	<10	83	<10	121
ZZ22020		<20	0.10	<10	<10	107	<10	49
ZZ22059		<20	0.12	<10	<10	97	<10	115
ZZ22060		<20	0.06	<10	<10	86	<10	108
ZZ22061		<20	0.05	<10	<10	89	<10	93
ZZ22062		<20	0.04	<10	<10	103	<10	143
ZZ22063		<20	0.09	<10	<10	101	<10	115
ZZ22064		<20	0.10	<10	<10	105	<10	119
ZZ22065		<20	0.03	<10	<10	89	<10	150
ZZ22066		<20	0.04	<10	<10	62	<10	81
ZZ22067		<20	0.05	<10	<10	101	<10	182
ZZ22068		<20	0.07	<10	<10	104	<10	74
ZZ22069		<20	0.14	<10	<10	116	<10	126
ZZ22070		<20	0.16	<10	<10	137	<10	201
ZZ22071		<20	0.10	<10	<10	91	<10	98
ZZ22072		<20	0.11	<10	<10	79	<10	83
ZZ22073		<20	0.09	<10	<10	98	<10	109
ZZ22074		<20	0.04	<10	<10	84	<10	131
ZZ22075		<20	0.07	<10	<10	79	<10	166
ZZ22076		<20	0.03	<10	<10	74	<10	117
ZZ22077		<20	0.05	<10	<10	108	<10	79
ZZ22078		<20	0.03	<10	<10	92	<10	86
ZZ22079		<20	0.05	<10	<10	105	<10	86
ZZ22080		<20	0.03	<10	<10	100	<10	93
ZZ22081		<20	0.02	<10	<10	105	<10	89
ZZ22082		<20	0.03	<10	<10	76	<10	156
ZZ22083		<20	0.05	<10	<10	84	<10	101
ZZ22084		<20	0.07	<10	<10	65	<10	69
ZZ22085		<20	0.06	<10	<10	60	<10	43
ZZ22086		<20	0.16	<10	<10	79	<10	51
ZZ22087		<20	0.12	<10	<10	83	<10	77
ZZ22088		<20	0.14	<10	<10	86	<10	68



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ22089		0.40	0.002	0.2	2.08	13	<10	150	<0.5	<2	0.42	<0.5	12	68	15	3.23
ZZ22090		0.34	0.007	<0.2	2.16	21	<10	290	0.6	2	0.48	<0.5	12	56	33	3.79
ZZ22091		0.30	0.003	<0.2	2.29	11	<10	250	<0.5	2	0.42	<0.5	11	43	19	3.03
ZZ22092		0.34	0.003	<0.2	2.32	10	<10	270	0.5	2	0.55	<0.5	11	48	31	3.45
ZZ22093		0.26	0.002	0.2	2.48	13	<10	330	0.5	<2	0.58	<0.5	15	44	19	4.19
ZZ22094		0.28	0.007	0.4	1.82	33	<10	460	<0.5	<2	0.22	0.6	15	60	19	3.66
ZZ22095		0.26	0.025	2.1	2.23	58	<10	380	0.7	2	0.31	0.7	23	69	44	4.53
ZZ22096		0.20	0.011	1.0	2.88	58	<10	500	0.6	<2	0.45	<0.5	21	111	37	5.04
ZZ22097		0.24	0.008	0.5	2.04	39	<10	490	0.5	<2	0.14	0.5	23	105	72	4.98
ZZ22098		0.24	0.003	0.6	2.90	23	<10	230	0.7	<2	0.12	0.5	14	57	39	4.26
ZZ22099		0.22	0.003	1.9	1.49	51	<10	410	0.8	<2	0.27	1.7	20	50	50	4.84
ZZ22100		0.32	0.002	0.3	1.31	8	<10	530	<0.5	<2	0.35	<0.5	9	43	7	1.74
ZZ22101		0.20	0.004	0.6	1.49	38	<10	520	0.5	<2	0.31	0.7	13	52	34	3.23
ZZ22102		0.10	0.004	0.2	1.83	8	<10	410	0.8	<2	0.98	0.9	18	129	39	2.69
ZZ22103		0.14	0.003	0.4	1.63	23	<10	370	<0.5	<2	0.09	0.5	6	34	27	3.20
ZZ22104		0.14	0.005	0.7	2.43	90	<10	430	0.5	<2	0.15	0.5	11	41	33	3.61
ZZ22105		0.10	0.003	0.9	1.28	88	<10	420	<0.5	<2	0.25	1.4	15	43	41	4.49
ZZ22106		0.14	0.003	0.2	0.90	37	<10	290	<0.5	<2	0.12	0.7	4	21	21	2.19
ZZ22107		0.14	0.004	0.4	2.67	20	<10	1150	0.7	<2	0.21	0.5	15	54	31	3.41
ZZ22108		0.12	0.002	<0.2	1.14	10	<10	150	<0.5	<2	0.09	<0.5	2	19	11	1.68
ZZ22109		0.24	0.005	0.5	2.02	23	<10	940	0.7	<2	0.29	0.5	10	52	48	2.58
ZZ22110		0.20	0.006	0.4	2.24	39	<10	970	0.5	<2	0.26	<0.5	16	58	37	3.79
ZZ22111		0.16	0.005	<0.2	2.57	25	<10	450	0.6	<2	0.20	<0.5	12	49	27	3.56
ZZ22112		0.14	0.009	0.3	0.85	60	<10	120	<0.5	<2	0.10	<0.5	8	23	31	3.03
ZZ22113		0.12	0.014	0.3	1.80	54	<10	480	0.6	<2	0.17	<0.5	14	45	43	4.57
ZZ22114		0.18	0.004	0.3	1.94	40	<10	1090	0.8	<2	0.38	<0.5	18	64	46	4.59
ZZ22115		0.26	0.007	0.2	1.46	23	<10	350	<0.5	<2	0.36	<0.5	8	40	22	2.47
ZZ22116		0.16	0.005	0.2	1.89	21	<10	420	0.6	<2	0.31	<0.5	25	41	31	3.33
ZZ22117		0.30	0.003	<0.2	1.95	25	<10	260	<0.5	<2	0.27	<0.5	13	44	24	3.39
ZZ22118		0.28	0.003	<0.2	1.96	22	<10	220	0.5	<2	0.27	<0.5	8	40	25	3.26
ZZ22119		0.24	0.003	<0.2	1.65	26	<10	410	<0.5	<2	0.31	<0.5	8	48	26	2.70
ZZ22120		0.28	0.007	<0.2	1.81	13	<10	370	<0.5	<2	0.28	<0.5	7	48	15	2.30
ZZ22121		0.14	0.004	<0.2	1.52	29	<10	570	<0.5	<2	0.27	<0.5	15	42	15	4.28
ZZ22122		0.08	0.007	0.3	1.80	20	<10	570	<0.5	<2	0.26	<0.5	16	50	17	3.07
ZZ22123		0.22	0.003	0.2	1.82	32	<10	680	<0.5	<2	0.31	<0.5	13	47	18	2.85
ZZ22124		0.22	0.003	0.2	2.17	56	<10	1290	0.5	<2	0.33	<0.5	12	56	34	3.42
ZZ22125		0.26	0.004	<0.2	1.98	26	<10	990	<0.5	<2	0.25	<0.5	8	44	23	2.83
ZZ22126		0.30	0.004	0.2	1.92	36	<10	680	0.5	<2	0.30	0.6	9	50	51	3.18
ZZ22127		0.22	0.003	0.3	1.68	54	<10	1100	0.6	<2	0.38	0.5	13	48	61	3.93
ZZ22128		0.26	0.003	0.4	1.71	35	<10	890	0.5	<2	0.30	<0.5	6	42	39	2.68



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ22089		10	<1	0.10	10	0.88	492	<1	0.02	27	1150	13	0.02	<2	5	26
ZZ22090		10	<1	0.08	20	0.78	273	<1	0.03	30	890	12	0.01	<2	9	33
ZZ22091		10	1	0.07	10	0.72	224	<1	0.02	20	780	13	0.01	<2	6	23
ZZ22092		10	<1	0.16	20	1.07	353	<1	0.02	22	1100	17	0.01	<2	10	28
ZZ22093		10	<1	0.15	20	1.15	647	<1	0.02	18	870	14	0.03	<2	11	35
ZZ22094		10	<1	0.06	10	0.64	631	2	0.02	27	880	24	0.04	2	5	17
ZZ22095		10	<1	0.11	10	0.70	1415	3	0.01	47	1170	52	0.09	3	6	27
ZZ22096		10	<1	0.14	20	1.36	872	3	0.02	53	940	34	0.04	3	11	23
ZZ22097		10	<1	0.18	10	0.79	1720	2	0.01	78	680	31	0.04	2	7	15
ZZ22098		10	<1	0.09	10	0.59	436	1	0.01	46	630	22	0.04	2	5	13
ZZ22099		<10	<1	0.08	10	0.34	2360	3	0.01	36	1660	205	0.05	5	3	42
ZZ22100		<10	<1	0.11	10	0.40	476	<1	0.01	15	1080	33	0.01	3	4	20
ZZ22101		10	1	0.10	10	0.52	899	1	0.02	34	1070	17	0.06	<2	4	23
ZZ22102		10	<1	0.07	10	1.12	379	<1	0.03	67	1310	10	0.09	2	11	92
ZZ22103		10	<1	0.04	10	0.24	272	2	0.01	21	450	11	0.02	2	3	14
ZZ22104		10	<1	0.06	10	0.42	384	2	0.02	32	570	13	0.02	5	5	18
ZZ22105		10	<1	0.12	10	0.32	1295	3	0.01	40	1100	13	0.03	7	5	21
ZZ22106		10	<1	0.06	10	0.11	151	2	0.01	13	280	10	<0.01	2	2	15
ZZ22107		10	<1	0.13	10	0.62	456	1	0.03	42	680	10	0.03	2	5	21
ZZ22108		10	<1	0.03	10	0.10	111	1	<0.01	7	200	7	0.01	<2	2	11
ZZ22109		10	<1	0.13	10	0.61	239	1	0.02	37	810	12	0.01	3	7	20
ZZ22110		10	<1	0.10	10	0.56	386	2	0.02	36	870	12	0.01	2	7	22
ZZ22111		10	<1	0.08	10	0.51	475	1	0.02	34	610	11	0.01	2	5	17
ZZ22112		10	<1	0.05	10	0.12	310	2	<0.01	29	380	14	0.01	3	3	13
ZZ22113		10	<1	0.10	10	0.46	543	2	0.01	45	560	14	0.04	5	5	23
ZZ22114		10	<1	0.20	10	0.78	640	1	0.03	60	910	12	0.03	3	9	28
ZZ22115		<10	<1	0.09	10	0.52	253	3	0.02	23	770	15	<0.01	4	5	23
ZZ22116		10	<1	0.07	10	0.50	895	1	0.02	22	830	10	0.03	<2	5	22
ZZ22117		10	<1	0.08	10	0.53	521	1	0.01	19	760	10	0.01	2	5	19
ZZ22118		10	<1	0.07	10	0.52	151	<1	0.01	20	680	9	<0.01	2	5	17
ZZ22119		<10	<1	0.10	10	0.60	171	<1	0.02	24	800	9	<0.01	2	5	19
ZZ22120		10	<1	0.09	10	0.60	323	<1	0.01	22	780	12	0.01	2	4	18
ZZ22121		<10	<1	0.08	10	0.47	1065	2	0.02	20	1040	7	0.02	2	4	19
ZZ22122		10	<1	0.07	10	0.53	1585	1	0.02	20	950	11	0.05	2	5	22
ZZ22123		10	<1	0.08	10	0.57	768	1	0.02	21	830	9	0.02	<2	5	23
ZZ22124		10	<1	0.08	20	0.60	272	<1	0.03	26	780	11	0.01	3	7	26
ZZ22125		10	<1	0.07	10	0.47	148	1	0.02	23	600	11	0.01	3	6	19
ZZ22126		10	<1	0.09	10	0.49	163	1	0.02	31	630	11	<0.01	4	9	24
ZZ22127		10	<1	0.09	10	0.45	265	1	0.03	43	730	12	<0.01	6	11	32
ZZ22128		<10	<1	0.06	10	0.37	132	<1	0.01	22	610	12	0.01	8	7	29



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ22089		<20	0.12	<10	<10	84	<10	73
ZZ22090		<20	0.11	<10	<10	93	<10	84
ZZ22091		<20	0.10	<10	<10	82	<10	70
ZZ22092		<20	0.15	<10	<10	100	<10	102
ZZ22093		<20	0.13	<10	<10	107	<10	99
ZZ22094		<20	0.06	<10	<10	92	<10	114
ZZ22095		<20	0.07	<10	<10	100	<10	155
ZZ22096		<20	0.10	<10	<10	146	<10	187
ZZ22097		<20	0.07	<10	<10	116	<10	206
ZZ22098		<20	0.07	<10	<10	83	<10	122
ZZ22099		<20	0.03	<10	<10	82	<10	339
ZZ22100		<20	0.03	<10	<10	47	<10	102
ZZ22101		<20	0.08	<10	<10	70	<10	105
ZZ22102		<20	0.03	<10	<10	85	<10	126
ZZ22103		<20	0.08	<10	<10	103	<10	77
ZZ22104		<20	0.04	<10	<10	83	<10	86
ZZ22105		<20	0.09	<10	<10	121	<10	143
ZZ22106		<20	0.12	<10	<10	94	<10	51
ZZ22107		<20	0.12	<10	<10	77	<10	79
ZZ22108		<20	0.06	<10	<10	61	<10	31
ZZ22109		<20	0.11	<10	<10	89	<10	115
ZZ22110		<20	0.10	<10	<10	92	<10	108
ZZ22111		<20	0.10	<10	<10	79	<10	80
ZZ22112		<20	0.06	<10	<10	78	<10	81
ZZ22113		<20	0.07	<10	<10	106	<10	116
ZZ22114		<20	0.14	<10	<10	116	<10	147
ZZ22115		<20	0.10	<10	<10	71	<10	104
ZZ22116		<20	0.08	<10	<10	78	<10	77
ZZ22117		<20	0.09	<10	<10	81	<10	79
ZZ22118		<20	0.09	<10	<10	71	<10	76
ZZ22119		<20	0.11	<10	<10	75	<10	83
ZZ22120		<20	0.10	<10	<10	62	<10	82
ZZ22121		<20	0.08	<10	<10	69	<10	82
ZZ22122		<20	0.09	<10	<10	76	<10	75
ZZ22123		<20	0.09	<10	<10	74	<10	85
ZZ22124		<20	0.10	<10	<10	80	<10	90
ZZ22125		<20	0.08	<10	<10	66	<10	80
ZZ22126		<20	0.10	<10	<10	86	<10	113
ZZ22127		<20	0.09	<10	<10	86	<10	124
ZZ22128		<20	0.06	<10	<10	77	<10	90



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ22129		0.12	0.013	1.8	4.21	159	<10	990	1.4	4	0.25	0.6	17	84	133	10.40
ZZ22130		0.16	0.003	0.3	2.31	24	<10	120	<0.5	2	0.19	<0.5	8	41	25	4.12
ZZ22131		0.06	NSS	<0.2	1.61	5	<10	310	<0.5	3	1.23	<0.5	7	29	20	1.95
ZZ22132		0.14	0.003	<0.2	2.44	15	<10	380	<0.5	3	0.73	<0.5	15	36	16	3.65
ZZ22133		0.16	0.021	0.2	1.86	12	<10	220	0.5	2	0.70	<0.5	12	93	20	2.69
ZZ22134		0.22	0.004	<0.2	1.86	14	<10	220	0.5	2	0.67	<0.5	12	88	26	3.26
ZZ22135		0.14	0.048	<0.2	1.65	16	<10	280	0.5	<2	0.56	<0.5	10	78	24	2.72
ZZ22136		0.22	0.003	0.2	1.86	21	<10	290	0.6	2	0.44	<0.5	12	65	45	3.67
ZZ22137		0.20	0.003	0.2	2.03	32	<10	260	0.5	2	0.49	<0.5	11	67	22	3.48
ZZ22138		0.22	0.002	0.2	2.06	23	<10	190	<0.5	2	0.36	<0.5	17	74	19	3.81
ZZ22139		0.28	0.009	0.3	2.31	31	<10	210	0.6	2	0.32	<0.5	15	65	26	3.99
ZZ22140		0.18	0.002	0.2	2.03	47	<10	360	0.6	3	0.34	<0.5	11	64	23	4.03
ZZ22141		0.26	0.003	0.4	1.83	36	<10	350	0.5	3	0.59	0.5	11	42	31	3.42
ZZ22142		0.28	0.004	<0.2	1.93	12	<10	180	0.5	<2	0.35	<0.5	8	38	17	2.84
ZZ22143		0.24	0.004	0.2	2.28	15	<10	720	0.8	2	0.61	0.5	14	36	15	5.51
ZZ22144		0.14	0.011	0.8	2.29	18	<10	720	0.9	2	1.09	<0.5	10	43	41	3.34
ZZ22145		0.16	0.003	0.2	1.83	12	<10	710	0.9	2	0.66	<0.5	14	43	20	3.48
ZZ22146		0.24	0.001	<0.2	1.07	8	<10	240	1.0	2	0.66	<0.5	15	94	11	5.74
ZZ22147		0.14	0.015	<0.2	2.15	11	<10	110	0.5	2	0.15	<0.5	10	46	22	4.10
ZZ22148		0.10	0.002	<0.2	1.79	10	<10	150	0.6	2	0.23	<0.5	15	66	20	4.92
ZZ22149		0.20	0.001	<0.2	1.42	7	<10	140	1.2	<2	0.60	<0.5	16	141	26	3.74
ZZ22150		0.16	0.002	<0.2	2.69	6	<10	330	0.7	2	0.61	<0.5	17	77	22	4.48
ZZ22151		0.26	0.001	<0.2	1.40	12	<10	380	1.4	2	0.59	<0.5	14	84	13	5.86
ZZ22152		0.22	0.003	0.2	1.70	7	<10	410	1.0	3	0.74	<0.5	17	87	29	4.67
ZZ22153		0.20	0.002	<0.2	0.95	6	<10	520	0.9	2	0.68	<0.5	17	94	32	4.98
ZZ22154		0.22	0.001	<0.2	1.52	22	<10	360	0.9	2	0.65	<0.5	10	67	28	3.73
ZZ22155		0.22	0.004	0.6	2.54	25	<10	900	0.7	2	0.52	<0.5	13	61	41	4.28
ZZ22156		0.14	0.003	0.2	2.13	56	<10	260	0.6	<2	0.29	<0.5	14	59	27	4.50
ZZ22157		0.14	NSS	2.3	3.59	136	<10	1030	0.9	3	0.56	1.1	17	104	57	5.86
ZZ22158		0.14	0.007	0.6	2.41	77	<10	610	0.9	4	0.32	1.0	17	102	61	4.47
ZZ22159		0.12	0.006	1.1	1.99	106	<10	240	0.9	3	0.20	0.8	16	61	53	4.40
ZZ22160		0.20	0.007	1.1	2.74	71	<10	390	1.0	4	0.40	0.5	22	82	65	4.84
ZZ22161		0.18	0.005	<0.2	1.95	15	<10	230	<0.5	2	0.41	<0.5	11	69	18	2.77
ZZ22162		0.28	0.003	0.2	2.30	16	<10	220	0.6	<2	0.36	<0.5	9	73	34	3.09
ZZ22163		0.22	0.005	0.4	1.95	19	<10	410	0.6	2	0.34	0.7	7	64	40	2.24
ZZ22164		0.22	0.020	0.2	1.95	30	<10	300	0.6	<2	0.41	<0.5	17	64	43	4.10
ZZ22165		0.26	0.006	0.3	2.11	25	<10	300	<0.5	<2	0.38	<0.5	15	66	20	3.74
ZZ22166		0.16	0.010	0.2	1.42	13	<10	170	0.5	<2	0.59	<0.5	16	82	21	3.40
ZZ22167		0.24	0.002	<0.2	2.30	7	<10	280	<0.5	<2	0.69	<0.5	14	33	16	3.81
ZZ22168		0.26	0.007	<0.2	2.32	7	<10	300	<0.5	<2	0.55	<0.5	12	38	19	3.34



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ22129		10	1	0.15	30	0.55	450	6	0.01	87	2020	17	0.08	13	22	33
ZZ22130		10	<1	0.06	10	0.46	323	1	0.01	25	420	9	0.02	3	5	19
ZZ22131		<10	<1	0.12	10	0.49	602	<1	0.02	11	1350	8	0.16	<2	7	63
ZZ22132		10	<1	0.16	20	0.83	2220	<1	0.02	15	1000	12	0.04	<2	8	40
ZZ22133		10	1	0.09	10	1.02	455	1	0.02	40	1330	17	0.04	<2	5	72
ZZ22134		10	<1	0.16	20	0.97	371	1	0.02	37	1340	19	0.04	<2	6	75
ZZ22135		<10	1	0.08	10	0.83	389	<1	0.03	35	970	15	0.06	2	5	68
ZZ22136		10	<1	0.11	20	0.65	185	<1	0.02	28	1070	17	0.01	2	10	31
ZZ22137		10	<1	0.11	20	0.81	336	1	0.02	27	1150	17	0.03	<2	7	33
ZZ22138		10	1	0.14	10	0.88	729	<1	0.01	31	1110	14	0.03	<2	6	27
ZZ22139		10	1	0.13	10	0.82	526	1	0.01	30	870	14	0.02	<2	7	20
ZZ22140		10	<1	0.12	20	0.83	758	1	0.02	24	590	15	0.04	<2	7	27
ZZ22141		10	<1	0.10	20	0.59	937	1	0.02	21	1000	24	0.08	2	6	39
ZZ22142		10	1	0.09	20	0.56	161	<1	0.01	17	750	13	0.01	<2	6	20
ZZ22143		10	1	0.18	30	0.56	800	<1	0.01	12	780	17	0.05	<2	13	54
ZZ22144		<10	<1	0.18	50	0.54	496	<1	0.01	25	1060	21	0.09	<2	17	95
ZZ22145		<10	<1	0.13	20	0.40	1240	<1	0.01	19	1110	28	0.07	3	8	64
ZZ22146		<10	<1	0.12	10	0.36	605	<1	0.01	29	2220	8	0.02	<2	21	58
ZZ22147		10	<1	0.06	10	0.49	537	1	0.01	22	960	7	0.08	2	2	21
ZZ22148		10	1	0.08	10	0.39	684	1	0.01	27	910	6	0.05	<2	4	29
ZZ22149		<10	1	0.14	10	0.56	130	<1	0.01	94	1910	5	0.03	<2	18	46
ZZ22150		10	1	0.10	10	0.94	709	<1	0.03	33	1260	4	0.05	<2	10	67
ZZ22151		<10	<1	0.11	10	0.46	689	<1	0.02	20	1860	11	0.01	4	24	56
ZZ22152		<10	<1	0.11	10	0.67	836	<1	0.03	24	1460	4	0.02	<2	32	70
ZZ22153		<10	1	0.10	10	0.30	511	<1	0.01	9	900	3	0.05	3	24	49
ZZ22154		<10	<1	0.09	10	0.34	536	<1	0.01	13	1770	10	0.02	3	10	37
ZZ22155		10	1	0.15	10	0.65	562	<1	0.01	30	1100	27	0.05	<2	11	37
ZZ22156		10	<1	0.13	10	0.64	629	1	0.01	32	590	26	0.02	<2	7	23
ZZ22157		10	1	0.29	10	1.00	1090	4	0.02	73	1050	180	0.08	4	14	47
ZZ22158		10	<1	0.19	10	0.99	833	2	0.02	75	970	91	0.05	3	11	28
ZZ22159		10	<1	0.14	10	0.52	1180	3	0.01	48	860	62	0.04	3	6	17
ZZ22160		10	1	0.17	20	0.93	1310	3	0.02	58	1140	28	0.05	3	11	30
ZZ22161		10	<1	0.10	10	0.75	400	<1	0.02	29	1020	17	0.04	2	6	30
ZZ22162		10	1	0.09	20	0.75	197	<1	0.01	30	1090	18	0.02	5	7	24
ZZ22163		10	<1	0.07	20	0.51	208	<1	0.01	26	620	38	0.03	2	8	27
ZZ22164		10	1	0.13	10	0.74	752	2	0.02	41	1190	22	0.03	2	7	27
ZZ22165		10	<1	0.13	10	0.87	356	2	0.01	32	1060	24	0.03	<2	6	24
ZZ22166		<10	<1	0.15	20	0.89	517	2	0.02	35	1280	17	0.05	<2	4	56
ZZ22167		10	1	0.15	20	0.92	449	1	0.02	16	860	14	0.04	<2	6	37
ZZ22168		10	1	0.13	20	0.82	742	1	0.02	18	830	14	0.05	<2	7	36



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ22129		<20	0.05	<10	<10	146	<10	205
ZZ22130		<20	0.13	<10	<10	103	<10	63
ZZ22131		<20	0.08	<10	<10	47	<10	52
ZZ22132		<20	0.17	<10	<10	96	<10	83
ZZ22133		<20	0.12	<10	<10	73	<10	72
ZZ22134		<20	0.13	<10	<10	85	<10	75
ZZ22135		<20	0.09	<10	<10	70	<10	71
ZZ22136		<20	0.10	<10	<10	99	<10	94
ZZ22137		<20	0.11	<10	<10	109	<10	104
ZZ22138		<20	0.13	<10	<10	95	<10	90
ZZ22139		<20	0.14	<10	<10	110	<10	114
ZZ22140		<20	0.13	<10	<10	117	<10	128
ZZ22141		<20	0.07	<10	<10	87	<10	101
ZZ22142		<20	0.07	<10	<10	87	<10	65
ZZ22143		<20	0.05	<10	<10	110	<10	127
ZZ22144		<20	0.02	<10	<10	70	<10	101
ZZ22145		<20	0.01	<10	<10	64	<10	71
ZZ22146		<20	0.01	<10	<10	118	<10	107
ZZ22147		<20	0.05	<10	<10	92	<10	67
ZZ22148		<20	0.04	<10	<10	100	<10	73
ZZ22149		<20	0.01	<10	<10	103	<10	70
ZZ22150		<20	0.05	<10	<10	91	<10	91
ZZ22151		<20	0.05	<10	<10	112	<10	99
ZZ22152		<20	0.04	<10	<10	90	<10	77
ZZ22153		<20	0.01	<10	<10	108	<10	64
ZZ22154		<20	<0.01	<10	<10	84	<10	75
ZZ22155		<20	0.03	<10	<10	92	<10	136
ZZ22156		<20	0.10	<10	<10	101	<10	102
ZZ22157		<20	0.06	<10	<10	148	<10	316
ZZ22158		<20	0.13	<10	<10	121	<10	232
ZZ22159		<20	0.09	<10	<10	117	<10	171
ZZ22160		<20	0.15	<10	<10	129	<10	143
ZZ22161		<20	0.10	<10	<10	83	<10	97
ZZ22162		<20	0.10	<10	<10	96	<10	86
ZZ22163		<20	0.07	<10	<10	89	<10	103
ZZ22164		<20	0.10	<10	<10	94	<10	106
ZZ22165		<20	0.11	<10	<10	97	<10	118
ZZ22166		<20	0.09	<10	<10	87	<10	69
ZZ22167		<20	0.16	<10	<10	96	<10	78
ZZ22168		<20	0.14	<10	<10	89	<10	73



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ22169		0.14	0.004	0.2	2.18	22	<10	250	0.6	<2	0.77	<0.5	19	103	32	3.95
ZZ22170		0.18	0.004	<0.2	1.87	12	<10	210	0.5	<2	0.70	<0.5	15	96	26	3.20
ZZ22171		0.22	0.006	0.2	1.69	15	<10	190	0.5	<2	0.56	<0.5	13	88	23	3.55
ZZ22172		0.12	0.002	<0.2	1.86	34	<10	210	0.5	<2	0.42	<0.5	9	45	28	5.22
ZZ22173		0.10	0.001	<0.2	1.64	25	<10	290	0.5	<2	0.48	<0.5	14	28	17	3.89
ZZ22174		0.18	0.006	0.4	2.01	61	<10	490	0.6	<2	0.64	<0.5	12	44	22	4.11
ZZ22175		0.18	0.003	<0.2	2.01	14	<10	170	<0.5	<2	0.30	<0.5	9	54	18	3.48
ZZ22176		0.20	0.002	<0.2	1.73	19	<10	290	0.5	<2	0.46	<0.5	12	64	31	3.42
ZZ22177		0.22	1.060	0.2	1.63	19	<10	230	0.5	<2	0.64	<0.5	16	73	23	3.34
ZZ22178		0.34	0.003	<0.2	2.33	17	<10	570	0.5	<2	0.39	<0.5	15	58	30	4.01
ZZ22179		0.26	0.005	<0.2	2.53	19	<10	440	<0.5	<2	0.34	<0.5	16	79	40	4.06
ZZ22180		0.28	0.005	0.3	2.84	20	<10	690	0.6	<2	0.44	<0.5	19	82	58	4.76
ZZ22181		0.30	0.005	0.3	2.37	15	<10	400	0.5	<2	0.42	<0.5	16	80	44	4.06
ZZ22182		0.24	0.006	0.4	2.19	32	<10	650	0.5	<2	0.45	<0.5	14	61	56	3.55
ZZ22183		0.18	0.003	0.2	2.24	26	<10	420	0.5	<2	0.32	<0.5	17	56	43	3.99
ZZ22184		0.22	0.006	0.8	2.12	58	<10	960	0.9	<2	0.38	<0.5	21	66	60	4.96
ZZ22185		0.14	0.006	0.2	1.86	21	<10	290	<0.5	<2	0.21	<0.5	17	69	47	3.93
ZZ22186		0.26	0.005	0.2	2.24	31	<10	410	0.5	<2	0.26	<0.5	18	78	58	4.98
ZZ22187		0.16	0.003	0.2	2.12	13	<10	620	<0.5	<2	0.19	<0.5	10	46	27	3.59
ZZ22188		0.18	0.003	0.2	2.43	23	<10	630	0.6	<2	0.54	<0.5	18	61	35	4.62
ZZ22189		0.26	0.003	<0.2	1.98	13	<10	300	<0.5	<2	0.45	<0.5	21	46	18	3.29
ZZ22190		0.24	0.003	<0.2	2.17	12	<10	310	0.5	<2	0.50	<0.5	13	49	26	3.51
ZZ22191		0.18	0.003	<0.2	1.99	19	<10	290	0.6	<2	0.82	<0.5	16	83	29	3.41
ZZ22192		0.24	0.003	0.2	2.12	15	<10	250	0.5	<2	0.30	<0.5	10	51	24	3.83
ZZ22193		0.28	0.005	0.2	1.95	38	<10	260	0.5	<2	0.30	<0.5	12	51	32	4.53
ZZ22194		0.18	0.005	0.2	2.04	10	<10	230	<0.5	<2	0.34	<0.5	10	59	22	2.64
ZZ22195		0.30	0.003	0.3	2.21	37	<10	260	<0.5	<2	0.33	<0.5	11	61	22	3.49
ZZ22196		0.20	0.004	0.4	2.25	32	<10	280	<0.5	<2	0.35	<0.5	15	62	25	3.81
ZZ22197		0.34	0.004	0.4	2.53	39	<10	240	0.6	<2	0.28	<0.5	11	67	34	5.16
ZZ22198		0.24	0.004	0.4	2.54	35	<10	300	0.5	<2	0.32	<0.5	21	67	26	4.51
ZZ22199		0.20	0.004	0.2	2.59	57	<10	350	0.7	<2	0.31	<0.5	17	72	43	5.17
ZZ22200		0.22	0.005	0.9	2.98	101	<10	360	0.9	<2	0.26	<0.5	12	80	70	5.37
ZZ22201		0.34	0.003	<0.2	1.89	8	<10	330	0.6	<2	0.38	<0.5	14	66	21	3.98
ZZ22202		0.26	0.003	<0.2	2.76	11	<10	440	1.0	<2	0.51	<0.5	18	68	26	4.81
ZZ22203		0.26	0.002	<0.2	2.16	4	<10	170	0.6	<2	0.53	<0.5	18	126	17	3.82
ZZ22204		0.14	0.023	<0.2	0.42	<2	<10	80	<0.5	<2	0.38	<0.5	4	21	7	0.80
ZZ22205		0.26	0.004	<0.2	1.75	4	<10	290	0.8	<2	0.76	<0.5	13	95	35	3.63
ZZ22206		0.30	0.004	<0.2	2.23	4	<10	310	0.6	<2	0.61	<0.5	15	80	23	3.19
ZZ22207		0.28	0.002	<0.2	1.93	6	<10	410	0.6	<2	0.87	<0.5	19	81	19	3.95
ZZ22208		0.22	0.002	<0.2	0.78	2	<10	100	<0.5	<2	0.37	<0.5	7	42	10	1.69



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ22169		10	1	0.18	20	1.26	706	3	0.03	46	1460	24	0.08	2	6	92
ZZ22170		10	<1	0.17	20	1.17	314	2	0.02	45	1350	17	0.06	2	5	77
ZZ22171		10	<1	0.15	20	1.02	421	2	0.02	39	1320	15	0.07	2	4	51
ZZ22172		10	1	0.10	20	0.59	263	2	0.01	17	830	15	0.07	<2	5	25
ZZ22173		10	<1	0.07	20	0.52	447	2	0.02	12	1000	15	0.07	3	6	27
ZZ22174		10	<1	0.12	20	0.69	431	3	0.02	20	980	20	0.08	<2	9	39
ZZ22175		10	<1	0.07	10	0.61	213	<1	0.02	21	680	12	0.05	2	5	22
ZZ22176		10	<1	0.19	10	0.77	400	1	0.03	30	1120	10	0.03	2	5	31
ZZ22177		10	<1	0.14	20	0.88	591	1	0.02	33	1270	14	0.06	<2	5	65
ZZ22178		10	<1	0.17	20	0.92	359	1	0.02	31	680	10	0.03	2	7	28
ZZ22179		10	1	0.18	10	1.05	325	1	0.02	43	550	11	0.03	3	8	24
ZZ22180		10	<1	0.19	20	1.05	783	2	0.03	48	800	12	0.05	<2	12	33
ZZ22181		10	<1	0.18	10	1.12	307	1	0.02	42	630	10	0.03	3	8	28
ZZ22182		10	1	0.09	10	0.78	347	1	0.02	43	750	12	0.04	3	9	36
ZZ22183		10	<1	0.10	20	0.74	455	1	0.02	36	870	13	0.04	3	7	25
ZZ22184		10	1	0.17	20	0.73	808	3	0.02	60	920	12	0.04	5	14	29
ZZ22185		10	<1	0.11	10	0.72	503	2	0.02	42	640	10	0.03	2	6	18
ZZ22186		10	1	0.14	10	0.84	561	2	0.02	58	370	11	0.03	3	8	21
ZZ22187		10	1	0.11	10	0.49	246	2	0.01	24	260	11	0.03	2	5	19
ZZ22188		10	<1	0.14	10	0.86	669	3	0.02	33	780	11	0.08	3	7	45
ZZ22189		10	<1	0.08	10	0.68	527	2	0.02	21	640	10	0.06	<2	6	31
ZZ22190		10	<1	0.09	10	0.71	206	1	0.02	24	730	10	0.04	<2	6	35
ZZ22191		10	1	0.12	20	1.11	539	2	0.03	41	1140	17	0.09	<2	6	91
ZZ22192		10	<1	0.07	10	0.66	172	<1	0.01	23	680	12	0.04	<2	6	22
ZZ22193		10	<1	0.09	10	0.60	214	2	0.01	26	920	12	0.04	<2	6	20
ZZ22194		10	<1	0.15	10	0.76	247	1	0.02	27	780	14	0.04	2	6	23
ZZ22195		10	1	0.18	10	0.87	470	2	0.01	27	970	13	0.04	2	6	22
ZZ22196		10	1	0.18	10	0.86	520	2	0.01	31	1040	14	0.04	2	7	26
ZZ22197		10	<1	0.17	10	0.76	308	2	0.01	27	1030	15	0.05	<2	7	20
ZZ22198		10	<1	0.22	10	0.92	1590	2	0.02	30	1030	16	0.04	2	7	24
ZZ22199		10	1	0.24	20	0.90	482	1	0.02	32	850	18	0.03	2	8	21
ZZ22200		10	1	0.21	10	0.76	252	3	0.01	39	960	25	0.04	3	11	19
ZZ22201		10	<1	0.08	10	0.73	247	1	0.01	28	1180	13	0.03	<2	8	22
ZZ22202		10	1	0.09	20	1.27	954	1	0.02	28	1250	6	0.05	<2	11	45
ZZ22203		10	<1	0.07	10	1.33	126	1	0.02	35	1250	7	0.03	<2	8	39
ZZ22204		<10	<1	0.04	<10	0.15	50	1	0.01	5	520	3	0.08	<2	1	39
ZZ22205		<10	<1	0.09	10	0.58	248	1	0.01	37	1900	6	0.08	2	14	63
ZZ22206		<10	<1	0.06	10	0.80	508	1	0.02	40	1330	5	0.06	<2	8	55
ZZ22207		<10	1	0.06	10	0.80	896	1	0.01	36	1610	6	0.07	2	9	71
ZZ22208		10	<1	0.05	10	0.21	174	2	<0.01	10	490	7	0.04	<2	2	38



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ22169		<20	0.14	<10	<10	92	<10	87
ZZ22170		<20	0.13	<10	<10	79	<10	83
ZZ22171		<20	0.11	<10	<10	89	<10	79
ZZ22172		<20	0.08	<10	<10	97	<10	62
ZZ22173		<20	0.05	<10	<10	80	<10	82
ZZ22174		<20	0.06	<10	<10	97	<10	128
ZZ22175		<20	0.11	<10	<10	70	<10	57
ZZ22176		<20	0.14	<10	<10	88	<10	67
ZZ22177		<20	0.10	<10	<10	82	<10	75
ZZ22178		<20	0.17	<10	<10	99	<10	81
ZZ22179		<20	0.17	<10	<10	117	<10	88
ZZ22180		<20	0.19	<10	<10	126	<10	97
ZZ22181		<20	0.18	<10	<10	114	<10	96
ZZ22182		<20	0.11	<10	<10	98	<10	95
ZZ22183		<20	0.11	<10	<10	92	<10	91
ZZ22184		<20	0.08	<10	<10	98	<10	124
ZZ22185		<20	0.14	<10	<10	124	<10	73
ZZ22186		<20	0.12	<10	<10	130	<10	106
ZZ22187		<20	0.10	<10	<10	116	<10	59
ZZ22188		<20	0.11	<10	<10	106	<10	89
ZZ22189		<20	0.11	<10	<10	85	<10	71
ZZ22190		<20	0.12	<10	<10	87	<10	76
ZZ22191		<20	0.12	<10	<10	81	<10	85
ZZ22192		<20	0.12	<10	<10	91	<10	65
ZZ22193		<20	0.09	<10	<10	91	<10	95
ZZ22194		<20	0.13	<10	<10	80	<10	108
ZZ22195		<20	0.14	<10	<10	106	<10	120
ZZ22196		<20	0.13	<10	<10	104	<10	123
ZZ22197		<20	0.12	<10	<10	109	<10	109
ZZ22198		<20	0.15	<10	<10	125	<10	126
ZZ22199		<20	0.17	<10	<10	120	<10	114
ZZ22200		<20	0.10	<10	<10	135	<10	126
ZZ22201		<20	0.03	<10	<10	85	<10	81
ZZ22202		<20	0.07	<10	<10	91	<10	74
ZZ22203		<20	0.06	<10	<10	95	<10	74
ZZ22204		<20	0.03	<10	<10	29	<10	27
ZZ22205		<20	0.02	<10	<10	78	<10	54
ZZ22206		<20	0.05	<10	<10	68	<10	69
ZZ22207		<20	0.03	<10	<10	78	<10	73
ZZ22208		<20	0.04	<10	<10	60	<10	37



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ22209		0.34	0.003	<0.2	1.69	5	<10	260	0.7	<2	0.74	<0.5	16	76	17	3.86
ZZ22210		0.16	<0.001	0.2	1.99	14	<10	360	0.8	<2	0.86	0.5	23	73	21	11.15
ZZ22211		0.24	0.005	0.3	1.87	19	<10	450	0.6	<2	0.34	<0.5	16	63	37	4.39
ZZ22212		0.22	0.015	0.7	2.67	33	<10	320	0.9	<2	0.20	1.1	25	70	60	5.07
ZZ22213		0.18	0.006	0.4	1.50	17	<10	220	<0.5	<2	0.14	<0.5	13	43	30	4.01
ZZ22214		0.22	0.029	0.7	1.39	43	<10	650	<0.5	<2	0.25	<0.5	13	52	42	4.01
ZZ22215		0.28	0.028	1.4	2.42	38	<10	360	0.5	2	0.13	<0.5	12	46	25	5.62
ZZ22216		0.30	0.024	0.6	2.05	23	<10	450	0.6	<2	0.30	0.5	14	59	39	3.84
ZZ22217		0.26	0.005	<0.2	1.81	43	<10	280	<0.5	<2	0.41	<0.5	18	37	33	4.00
ZZ22218		0.34	0.010	0.5	2.05	142	<10	320	0.6	<2	0.76	<0.5	28	103	76	5.35
ZZ22219		0.20	0.009	0.2	1.53	40	<10	210	<0.5	<2	0.69	<0.5	19	60	45	3.46
ZZ22220		0.28	0.007	0.2	1.78	29	<10	180	<0.5	<2	0.43	<0.5	16	57	25	3.61
ZZ22221		0.22	0.005	<0.2	1.48	11	<10	150	<0.5	<2	0.45	<0.5	11	47	17	2.35
ZZ22222		0.38	0.004	<0.2	2.17	26	<10	240	0.6	<2	0.36	<0.5	16	59	42	3.77
ZZ22223		0.36	0.002	<0.2	1.88	13	<10	160	0.5	<2	0.45	<0.5	13	78	18	3.30
ZZ22224		0.34	0.003	<0.2	1.82	12	<10	170	0.6	<2	0.42	<0.5	15	73	23	3.40
ZZ22225		0.28	0.003	<0.2	1.71	14	<10	200	0.5	<2	0.44	<0.5	17	102	17	3.55
ZZ22226		0.30	0.004	0.2	1.97	15	<10	350	0.6	2	0.81	<0.5	16	92	31	3.38
ZZ22227		0.20	0.005	0.2	1.99	14	<10	250	0.6	<2	0.77	<0.5	16	92	33	3.39
ZZ22228		0.20	0.003	<0.2	2.76	30	<10	350	0.5	<2	0.52	<0.5	16	47	28	4.46
ZZ22229		0.36	0.004	0.3	2.87	50	<10	420	0.7	<2	0.44	<0.5	15	43	36	5.06
ZZ22230		0.14	0.006	<0.2	2.02	9	<10	330	0.5	<2	0.52	<0.5	14	61	40	2.71
ZZ22231		0.28	0.007	0.2	2.18	9	<10	480	0.6	<2	0.46	<0.5	14	72	41	3.07
ZZ22232		0.22	0.009	0.2	1.82	26	<10	200	<0.5	<2	0.33	<0.5	9	49	21	3.21
ZZ22233		0.36	0.003	0.2	1.84	26	<10	200	<0.5	<2	0.36	<0.5	10	51	18	3.09
ZZ22234		0.44	0.006	0.2	1.93	34	<10	190	<0.5	<2	0.32	<0.5	9	51	20	3.19
ZZ22235		0.26	0.005	0.2	1.91	34	<10	260	<0.5	<2	0.35	<0.5	10	52	22	2.86
ZZ22236		0.40	0.006	0.7	2.35	65	<10	520	0.7	<2	0.41	<0.5	14	71	52	4.01
ZZ22237		0.26	0.004	0.3	2.39	36	<10	540	0.7	2	0.34	<0.5	15	68	59	3.96
ZZ22238		0.20	0.003	0.2	2.41	35	<10	450	0.8	<2	0.24	0.5	19	67	54	4.17
ZZ22239		0.22	0.005	0.4	2.66	106	<10	520	1.1	<2	0.21	0.9	19	56	49	4.54
ZZ22240		0.22	0.004	0.7	1.89	35	<10	580	0.5	<2	0.29	0.5	9	43	38	3.62
ZZ22241		0.42	0.004	0.3	2.37	7	<10	470	<0.5	<2	0.55	<0.5	29	29	16	3.67
ZZ22242		0.34	0.053	<0.2	1.83	17	<10	250	0.5	4	0.66	<0.5	18	87	17	4.14
ZZ22243		0.34	0.004	0.2	1.97	18	<10	200	0.6	2	0.65	<0.5	14	107	31	3.17
ZZ22244		0.46	0.005	<0.2	1.76	18	<10	300	0.5	<2	0.34	0.5	11	39	34	2.92
ZZ22245		0.18	0.003	0.3	2.14	27	<10	350	0.5	<2	0.47	<0.5	21	45	17	4.31
ZZ22246		0.20	0.005	<0.2	1.83	28	<10	330	0.6	2	0.51	<0.5	24	41	18	4.85
ZZ22247		0.24	0.002	<0.2	1.60	27	<10	300	0.6	<2	0.70	<0.5	14	37	19	3.89
ZZ22248		0.42	0.005	0.2	1.93	15	<10	420	0.7	<2	0.92	<0.5	11	25	15	4.00



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ZZ22209		<10	1	0.07	10	0.62	339	1	0.02	30	1420	7	0.05	<2	13	57
ZZ22210		10	1	0.06	10	0.90	1840	2	0.01	26	1600	7	0.07	3	7	69
ZZ22211		10	<1	0.14	10	0.72	556	2	0.01	41	1110	19	0.03	2	6	26
ZZ22212		10	1	0.15	10	0.73	1070	3	0.01	53	950	52	0.06	2	8	20
ZZ22213		10	1	0.09	10	0.41	480	2	0.01	30	590	15	0.05	2	4	16
ZZ22214		10	1	0.18	10	0.44	421	5	0.01	39	790	43	0.13	2	6	42
ZZ22215		10	1	0.19	10	0.53	391	3	0.01	23	590	55	0.26	2	5	26
ZZ22216		10	1	0.11	10	0.70	280	2	0.01	37	860	37	0.04	<2	8	26
ZZ22217		10	<1	0.10	10	0.81	547	3	0.03	20	470	10	0.05	<2	9	24
ZZ22218		10	<1	0.09	10	1.09	1040	3	0.02	51	620	15	0.07	4	19	38
ZZ22219		<10	<1	0.12	10	0.83	674	1	0.03	39	960	11	0.04	<2	8	39
ZZ22220		10	<1	0.07	10	0.81	290	2	0.02	26	800	10	0.04	<2	6	23
ZZ22221		<10	<1	0.05	10	0.64	353	1	0.02	20	780	9	0.04	2	5	22
ZZ22222		10	1	0.07	10	0.69	264	1	0.02	27	760	13	0.02	2	9	25
ZZ22223		10	<1	0.17	20	0.95	366	1	0.02	29	1370	14	0.02	<2	5	27
ZZ22224		10	<1	0.16	20	0.89	635	1	0.02	30	1360	14	0.02	2	5	27
ZZ22225		10	<1	0.23	20	1.07	1050	1	0.02	34	1270	16	0.03	<2	4	34
ZZ22226		10	<1	0.07	20	1.12	693	2	0.03	44	1110	23	0.06	<2	5	103
ZZ22227		10	<1	0.11	20	1.16	634	3	0.02	47	1230	23	0.06	<2	5	87
ZZ22228		10	<1	0.24	10	0.95	617	2	0.01	28	610	18	0.04	3	7	35
ZZ22229		10	<1	0.21	30	0.88	404	2	0.02	22	730	19	0.04	<2	12	31
ZZ22230		10	<1	0.10	10	0.77	280	1	0.02	34	900	14	0.04	<2	9	39
ZZ22231		10	1	0.11	20	0.79	316	1	0.02	43	1200	17	0.05	2	10	38
ZZ22232		10	1	0.07	10	0.56	172	1	0.01	24	950	11	0.05	<2	4	24
ZZ22233		10	<1	0.09	10	0.65	208	2	0.01	25	1140	13	0.04	2	5	21
ZZ22234		10	<1	0.08	10	0.64	181	1	0.01	24	1000	12	0.04	<2	5	20
ZZ22235		10	<1	0.07	10	0.65	198	2	0.01	26	890	14	0.04	2	5	24
ZZ22236		10	<1	0.27	10	0.99	641	3	0.03	49	1160	17	0.08	4	8	32
ZZ22237		10	<1	0.25	10	0.88	647	2	0.03	48	1070	12	0.05	4	9	24
ZZ22238		10	<1	0.27	10	0.89	831	2	0.03	47	820	13	0.09	4	7	23
ZZ22239		10	1	0.16	10	0.55	977	3	0.02	46	510	60	0.02	6	13	20
ZZ22240		10	<1	0.11	10	0.39	389	2	0.03	31	400	27	0.03	3	6	26
ZZ22241		10	1	0.26	30	0.76	2500	<1	0.03	14	760	16	0.05	3	7	34
ZZ22242		<10	<1	0.17	10	1.01	1400	1	0.04	36	1340	17	0.04	3	5	55
ZZ22243		<10	<1	0.12	10	1.15	565	1	0.04	48	1270	21	0.05	2	5	76
ZZ22244		<10	1	0.10	20	0.53	220	<1	0.03	28	660	12	0.03	2	8	21
ZZ22245		10	1	0.11	20	0.62	912	2	0.03	18	1020	11	0.06	<2	7	25
ZZ22246		<10	<1	0.13	20	0.68	1045	2	0.03	19	980	18	0.04	4	7	27
ZZ22247		<10	1	0.14	20	0.60	916	2	0.03	21	1000	16	0.04	<2	8	36
ZZ22248		<10	1	0.14	30	0.78	1200	1	0.03	13	900	19	0.07	2	10	44



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ22209		<20	0.04	<10	<10	85	<10	80
ZZ22210		<20	0.02	<10	<10	91	<10	101
ZZ22211		<20	0.09	<10	<10	88	<10	120
ZZ22212		<20	0.06	<10	<10	112	<10	179
ZZ22213		<20	0.08	<10	<10	96	<10	89
ZZ22214		<20	0.07	<10	<10	97	<10	130
ZZ22215		<20	0.09	<10	<10	127	<10	89
ZZ22216		<20	0.09	<10	<10	90	<10	116
ZZ22217		<20	0.11	<10	<10	93	<10	70
ZZ22218		<20	0.13	<10	<10	122	<10	94
ZZ22219		<20	0.11	<10	<10	88	<10	86
ZZ22220		<20	0.09	<10	<10	88	<10	73
ZZ22221		<20	0.09	<10	<10	59	<10	54
ZZ22222		<20	0.10	<10	<10	92	<10	75
ZZ22223		<20	0.14	<10	<10	83	<10	62
ZZ22224		<20	0.12	<10	<10	84	<10	66
ZZ22225		<20	0.15	<10	<10	92	<10	70
ZZ22226		<20	0.11	<10	10	79	<10	76
ZZ22227		<20	0.12	<10	10	79	<10	83
ZZ22228		<20	0.14	<10	<10	109	<10	90
ZZ22229		<20	0.16	<10	<10	130	<10	83
ZZ22230		<20	0.11	<10	<10	87	<10	94
ZZ22231		<20	0.08	<10	<10	82	<10	122
ZZ22232		<20	0.08	<10	<10	87	<10	81
ZZ22233		<20	0.10	<10	<10	84	<10	86
ZZ22234		<20	0.09	<10	<10	83	<10	85
ZZ22235		<20	0.09	<10	<10	89	<10	96
ZZ22236		<20	0.15	<10	<10	118	<10	158
ZZ22237		<20	0.15	<10	<10	108	<10	119
ZZ22238		<20	0.16	<10	<10	115	<10	122
ZZ22239		<20	0.03	<10	<10	87	<10	142
ZZ22240		<20	0.05	<10	<10	98	<10	107
ZZ22241		<20	0.15	<10	<10	89	<10	83
ZZ22242		<20	0.16	<10	<10	91	<10	80
ZZ22243		<20	0.12	<10	<10	79	<10	72
ZZ22244		<20	0.10	<10	<10	75	<10	75
ZZ22245		<20	0.07	<10	<10	94	<10	75
ZZ22246		<20	0.08	<10	<10	97	<10	106
ZZ22247		<20	0.08	<10	<10	79	<10	101
ZZ22248		<20	0.07	<10	<10	89	<10	111



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Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ22249		0.28	0.003	<0.2	2.84	29	<10	280	0.9	<2	0.17	<0.5	14	48	34	3.92
ZZ22250		0.42	0.002	<0.2	2.09	7	<10	430	0.7	3	0.29	<0.5	12	27	16	3.91



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
ZZ22249		10	1	0.15	20	0.69	616	1	0.03	33	420	18	0.02	<2	8
ZZ22250		10	<1	0.16	20	0.61	769	1	0.03	14	640	15	0.03	3	8



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
ZZ22249		<20	0.09	<10	<10	88	<10	80
ZZ22250		<20	0.07	<10	<10	81	<10	77



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Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non- sufficient sample.



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Project: LLL
P.O. No.:
This report is for 208 Soil samples submitted to our lab in Whitehorse, YT, Canada on 29-JUL- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ22501		0.26	0.006	<0.2	2.20	48	<10	160	0.6	8	0.37	<0.5	13	34	25	3.12
ZZ22502		0.24	0.003	<0.2	2.09	34	<10	90	0.5	7	0.27	0.5	10	34	28	3.23
ZZ22503		0.34	0.003	0.2	2.27	41	<10	290	0.7	7	0.41	<0.5	10	31	18	3.68
ZZ22504		0.14	0.003	0.2	2.69	23	<10	290	0.7	6	0.68	0.5	13	40	36	3.71
ZZ22505		0.32	0.014	0.6	2.42	156	<10	230	0.5	5	0.49	0.5	13	42	31	3.68
ZZ22506		0.18	0.005	0.4	1.95	28	<10	180	<0.5	6	0.40	<0.5	9	30	30	3.13
ZZ22507		0.30	0.006	0.2	2.30	41	<10	190	0.7	5	0.16	<0.5	16	48	41	3.45
ZZ22508		0.18	0.002	0.4	2.01	68	<10	120	0.5	7	0.12	<0.5	8	39	26	4.22
ZZ22509		0.10	0.003	0.7	1.96	86	<10	480	0.5	6	0.37	0.5	8	37	32	3.46
ZZ22510		0.14	0.003	0.5	1.82	53	<10	250	<0.5	5	0.21	<0.5	11	38	23	3.88
ZZ22511		0.12	0.004	0.7	2.75	41	<10	450	0.7	5	0.46	0.6	13	50	39	4.11
ZZ22512		0.16	0.012	0.5	2.14	53	<10	280	0.6	6	0.47	0.5	16	59	38	3.66
ZZ22513		0.18	0.012	0.3	3.09	171	<10	330	0.6	<2	0.43	<0.5	15	75	39	4.69
ZZ22514		0.24	0.004	0.3	2.18	134	<10	370	0.6	<2	0.52	<0.5	18	72	46	4.06
ZZ22515		0.18	0.004	<0.2	2.21	81	<10	290	0.5	<2	0.52	<0.5	15	58	31	3.64
ZZ22516		0.30	0.006	0.4	2.37	103	<10	310	0.6	<2	0.61	<0.5	17	60	35	4.26
ZZ22517		0.30	0.006	0.2	2.22	57	<10	340	0.6	<2	0.53	<0.5	15	63	42	3.63
ZZ22518		0.28	0.005	0.2	2.23	23	<10	370	0.6	<2	0.76	0.5	16	64	54	2.96
ZZ22519		0.28	0.005	0.2	2.01	40	<10	290	0.5	<2	0.59	<0.5	16	60	35	3.83
ZZ22520		0.34	0.004	<0.2	2.11	29	<10	330	0.5	<2	0.50	<0.5	13	56	35	3.25
ZZ22521		0.16	0.006	0.2	1.62	30	<10	240	<0.5	<2	0.66	<0.5	13	41	22	2.92
ZZ22522		0.20	0.003	0.2	2.21	7	<10	160	0.5	<2	0.24	<0.5	15	70	14	3.84
ZZ22523		0.12	0.003	<0.2	1.82	6	<10	240	0.7	<2	1.24	<0.5	15	62	29	2.92
ZZ22524		0.30	0.003	<0.2	1.94	9	<10	190	0.9	<2	0.79	<0.5	18	98	27	3.79
ZZ22525		0.20	0.003	<0.2	1.95	9	<10	240	0.8	<2	1.29	<0.5	25	142	33	3.55
ZZ22526		0.28	0.007	<0.2	1.99	4	<10	180	0.7	<2	0.71	<0.5	21	153	34	3.44
ZZ22527		0.24	0.010	<0.2	2.20	5	<10	190	0.7	<2	0.75	<0.5	23	181	31	3.50
ZZ22528		0.32	0.014	0.2	2.18	2	<10	190	0.8	<2	0.72	<0.5	28	213	39	3.77
ZZ22529		0.22	0.002	<0.2	2.04	6	<10	210	0.8	<2	0.94	<0.5	22	136	40	3.48
ZZ22530		0.22	0.002	<0.2	1.98	5	<10	170	0.7	<2	0.98	<0.5	21	175	33	3.60
ZZ22751		0.44	0.005	<0.2	1.29	4	<10	350	0.7	<2	0.37	<0.5	14	19	10	3.42
ZZ22752		0.40	0.003	<0.2	1.51	10	<10	140	<0.5	<2	0.15	<0.5	12	28	12	3.37
ZZ22753		0.20	0.003	0.2	1.69	12	<10	310	0.5	<2	0.48	<0.5	11	44	11	3.27
ZZ22754		0.36	0.004	<0.2	1.17	7	<10	230	0.5	<2	0.42	<0.5	9	37	9	2.36
ZZ22755		0.32	0.002	<0.2	1.19	4	<10	260	1.2	<2	0.62	<0.5	27	105	26	6.08
ZZ22756		0.18	0.004	0.2	1.75	10	<10	420	0.9	<2	0.64	<0.5	22	74	21	5.18
ZZ22757		0.22	0.005	0.3	1.24	8	<10	330	1.0	<2	0.71	<0.5	17	56	41	5.17
ZZ22758		0.26	0.004	<0.2	1.69	6	<10	270	0.6	<2	0.59	<0.5	14	70	14	2.48
ZZ22759		0.60	0.003	<0.2	1.62	7	<10	390	0.8	<2	0.37	<0.5	13	43	16	3.59
ZZ22760		0.30	0.003	<0.2	1.66	8	<10	110	<0.5	<2	0.11	<0.5	7	33	12	3.16



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ22501		10	1	0.09	20	0.63	468	<1	0.01	21	630	6	0.01	<2	7	26
ZZ22502		10	2	0.05	10	0.54	356	11	0.01	25	650	21	0.01	<2	4	19
ZZ22503		10	<1	0.11	10	0.60	677	2	0.01	14	740	39	0.03	<2	5	33
ZZ22504		10	2	0.11	30	0.68	842	2	0.02	23	950	10	0.07	<2	8	48
ZZ22505		10	1	0.14	20	0.78	455	<1	0.01	20	980	8	0.01	<2	10	29
ZZ22506		10	2	0.08	10	0.57	406	1	0.02	17	1140	7	0.09	<2	4	29
ZZ22507		10	1	0.15	10	0.65	608	<1	0.01	37	380	4	0.01	<2	6	14
ZZ22508		10	<1	0.07	10	0.35	279	1	0.01	22	430	11	0.02	<2	4	14
ZZ22509		10	1	0.09	10	0.41	403	2	0.01	25	630	11	0.03	<2	5	42
ZZ22510		10	1	0.13	10	0.51	461	1	0.01	22	540	8	0.02	<2	5	19
ZZ22511		10	1	0.16	20	0.65	782	2	0.01	32	1060	6	0.04	<2	8	43
ZZ22512		10	1	0.23	10	0.74	789	1	0.02	36	690	5	0.02	<2	7	30
ZZ22513		10	1	0.25	10	0.93	515	2	0.01	46	410	11	0.02	2	8	32
ZZ22514		10	<1	0.34	10	1.05	685	1	0.02	43	870	11	0.01	<2	9	28
ZZ22515		10	<1	0.26	10	0.89	546	1	0.01	33	440	10	0.02	2	8	34
ZZ22516		10	<1	0.18	10	0.89	371	2	0.02	29	730	10	0.04	3	9	38
ZZ22517		10	<1	0.17	10	0.80	337	2	0.01	33	770	11	0.03	<2	10	41
ZZ22518		10	<1	0.16	10	0.82	226	<1	0.01	38	680	13	0.09	<2	10	68
ZZ22519		10	<1	0.12	10	0.70	389	2	0.01	33	790	10	0.03	2	8	52
ZZ22520		10	<1	0.09	10	0.70	205	1	0.01	30	770	11	0.02	3	8	39
ZZ22521		<10	<1	0.07	10	0.54	507	1	0.01	22	770	9	0.04	<2	6	63
ZZ22522		10	<1	0.07	10	0.70	502	<1	<0.01	32	630	11	0.02	<2	7	26
ZZ22523		<10	<1	0.06	10	0.69	597	<1	0.01	40	1060	11	0.09	<2	8	87
ZZ22524		<10	<1	0.08	10	1.01	413	<1	0.01	46	1100	5	0.04	<2	13	54
ZZ22525		10	<1	0.07	10	1.13	1550	<1	0.01	59	1220	7	0.07	<2	12	92
ZZ22526		10	<1	0.07	20	1.21	274	<1	0.01	58	1040	7	0.01	2	12	49
ZZ22527		10	<1	0.07	10	1.36	330	<1	0.01	71	1060	7	0.02	<2	12	52
ZZ22528		10	<1	0.08	10	1.41	418	<1	0.01	92	1050	8	0.02	<2	12	49
ZZ22529		10	<1	0.07	10	1.11	423	<1	0.01	67	1060	7	0.04	2	12	78
ZZ22530		10	<1	0.06	10	1.30	219	<1	0.01	79	1090	6	0.04	<2	11	77
ZZ22751		<10	<1	0.15	30	0.48	887	<1	<0.01	12	910	15	<0.01	2	7	19
ZZ22752		<10	<1	0.10	10	0.37	486	<1	<0.01	14	340	17	<0.01	<2	4	14
ZZ22753		10	<1	0.08	20	0.64	208	<1	0.01	20	940	19	0.01	3	6	28
ZZ22754		<10	<1	0.10	20	0.46	359	<1	0.01	19	920	18	<0.01	<2	5	26
ZZ22755		<10	<1	0.15	10	0.39	1030	1	<0.01	56	1790	9	0.01	<2	22	38
ZZ22756		<10	<1	0.11	10	0.71	1030	<1	0.01	30	1250	13	0.05	2	10	58
ZZ22757		<10	<1	0.11	10	0.34	1285	<1	<0.01	21	1900	9	0.02	3	15	52
ZZ22758		<10	<1	0.06	10	0.45	372	<1	0.02	27	1450	10	0.02	<2	8	43
ZZ22759		<10	<1	0.11	20	0.52	404	<1	<0.01	23	640	15	0.01	2	10	33
ZZ22760		10	<1	0.08	10	0.34	260	<1	<0.01	12	460	19	0.02	<2	4	13



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ22501		<20	0.09	<10	<10	72	<10	57
ZZ22502		<20	0.12	<10	<10	73	<10	69
ZZ22503		<20	0.05	<10	<10	76	<10	96
ZZ22504		<20	0.10	<10	<10	90	<10	83
ZZ22505		<20	0.14	<10	<10	92	<10	77
ZZ22506		<20	0.10	<10	<10	85	<10	59
ZZ22507		<20	0.12	<10	<10	84	<10	73
ZZ22508		<20	0.11	<10	<10	104	<10	64
ZZ22509		<20	0.07	<10	<10	81	<10	70
ZZ22510		<20	0.11	<10	<10	93	<10	71
ZZ22511		<20	0.08	<10	<10	94	<10	74
ZZ22512		<20	0.12	<10	<10	98	<10	85
ZZ22513		<20	0.17	<10	<10	138	<10	100
ZZ22514		<20	0.19	<10	<10	128	<10	109
ZZ22515		<20	0.17	<10	<10	105	<10	91
ZZ22516		<20	0.16	<10	<10	117	<10	91
ZZ22517		<20	0.15	<10	<10	108	<10	96
ZZ22518		<20	0.14	<10	<10	101	<10	92
ZZ22519		<20	0.12	<10	<10	104	<10	87
ZZ22520		<20	0.11	<10	<10	94	<10	77
ZZ22521		<20	0.09	<10	<10	73	<10	68
ZZ22522		<20	0.08	<10	<10	92	<10	72
ZZ22523		<20	0.04	<10	<10	69	<10	64
ZZ22524		<20	0.06	<10	<10	89	<10	74
ZZ22525		<20	0.05	<10	<10	86	<10	83
ZZ22526		<20	0.08	<10	<10	85	<10	81
ZZ22527		<20	0.08	<10	<10	90	<10	84
ZZ22528		<20	0.07	<10	<10	98	<10	88
ZZ22529		<20	0.06	<10	<10	85	<10	75
ZZ22530		<20	0.06	<10	<10	83	<10	78
ZZ22751		20	0.06	<10	<10	64	<10	70
ZZ22752		<20	0.04	<10	<10	66	<10	50
ZZ22753		<20	0.04	<10	<10	87	<10	74
ZZ22754		<20	0.03	<10	<10	52	<10	59
ZZ22755		<20	0.01	<10	<10	100	<10	91
ZZ22756		<20	0.02	<10	<10	87	<10	76
ZZ22757		<20	0.01	<10	<10	82	<10	82
ZZ22758		<20	0.03	<10	<10	90	<10	66
ZZ22759		<20	0.05	<10	<10	74	<10	62
ZZ22760		<20	0.06	<10	<10	69	<10	41



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ22761		0.34	0.004	0.2	2.42	14	<10	180	0.6	<2	0.23	<0.5	17	42	23	3.97
ZZ22762		0.42	0.005	<0.2	2.11	24	<10	360	0.8	<2	0.46	<0.5	21	51	50	4.59
ZZ22763		0.30	0.004	0.6	1.88	185	<10	430	1.0	<2	0.60	<0.5	13	31	45	3.51
ZZ22764		0.28	0.004	0.4	1.93	67	<10	340	0.8	<2	0.42	<0.5	13	37	30	3.90
ZZ22777		0.52	0.005	0.3	2.18	17	<10	190	0.6	<2	0.41	<0.5	19	91	33	3.53
ZZ22778		0.28	0.009	0.2	2.07	22	<10	90	0.5	<2	0.19	<0.5	11	63	23	4.26
ZZ22779		0.32	0.006	<0.2	1.69	9	<10	170	<0.5	<2	0.39	<0.5	13	57	14	2.52
ZZ22780		0.46	0.003	<0.2	1.99	25	<10	240	<0.5	<2	0.33	<0.5	8	57	24	3.65
ZZ22781		0.30	0.003	<0.2	2.24	21	<10	360	0.5	<2	0.51	<0.5	19	71	21	3.95
ZZ22782		0.26	0.003	0.2	2.39	35	<10	410	0.6	<2	0.44	<0.5	17	82	33	4.43
ZZ22783		0.42	0.005	<0.2	2.27	23	<10	220	0.6	<2	0.41	<0.5	14	74	32	4.07
ZZ22784		0.26	0.009	<0.2	2.10	28	<10	340	0.6	<2	0.43	<0.5	12	65	42	3.89
ZZ22785		0.42	0.016	0.2	2.29	19	<10	270	0.5	<2	0.48	<0.5	13	73	61	3.55
ZZ22786		0.46	0.003	<0.2	2.36	17	<10	270	0.6	<2	0.47	<0.5	19	77	65	4.25
ZZ22787		0.32	0.005	0.3	2.30	21	<10	290	0.5	<2	0.41	<0.5	9	65	31	3.30
ZZ22788		0.38	0.003	<0.2	1.83	5	<10	290	0.7	<2	0.95	<0.5	18	95	23	4.08
ZZ22789		0.28	0.003	<0.2	1.96	5	<10	270	0.8	2	0.79	<0.5	14	78	26	3.69
ZZ22790		0.28	0.003	<0.2	2.57	6	<10	180	0.7	<2	0.35	<0.5	20	66	20	5.42
ZZ22791		0.20	0.004	<0.2	1.25	7	<10	430	1.0	<2	0.87	<0.5	28	99	29	6.10
ZZ22792		0.22	0.004	<0.2	1.55	6	<10	400	0.7	2	1.24	<0.5	12	66	25	3.75
ZZ22793		0.30	0.001	<0.2	1.79	5	<10	410	0.6	<2	0.78	<0.5	13	94	30	3.24
ZZ22794		0.32	0.018	0.2	2.57	27	<10	600	0.7	<2	0.38	<0.5	16	89	41	4.43
ZZ22795		0.38	0.020	0.3	2.14	33	<10	500	0.7	<2	0.30	<0.5	12	71	59	3.79
ZZ22796		0.28	0.031	0.4	2.01	27	<10	480	<0.5	<2	0.24	<0.5	7	56	37	3.33
ZZ22797		0.40	0.020	0.6	2.01	28	<10	330	0.5	<2	0.30	<0.5	10	49	35	4.18
ZZ22798		0.26	0.005	0.3	1.29	15	<10	90	<0.5	2	0.18	<0.5	6	32	36	2.54
ZZ22799		0.18	0.002	<0.2	0.77	14	<10	60	<0.5	<2	0.15	<0.5	4	23	15	2.35
ZZ22800		0.22	0.006	<0.2	1.81	50	<10	250	<0.5	<2	0.75	<0.5	16	64	53	3.53
ZZ22801		0.26	0.005	0.4	2.65	35	<10	630	0.8	<2	0.40	<0.5	10	71	54	4.45
ZZ22802		0.34	0.003	0.4	1.99	29	<10	700	0.9	<2	0.43	<0.5	14	67	65	4.03
ZZ22803		0.32	0.008	0.6	2.36	34	<10	650	1.0	<2	0.37	0.6	16	79	92	5.22
ZZ22804		0.20	0.004	1.9	2.78	68	<10	930	0.6	<2	0.63	<0.5	15	101	61	4.45
ZZ22805		0.30	0.011	0.5	2.47	51	<10	410	0.6	2	0.62	<0.5	18	112	35	5.35
ZZ22806		0.32	0.019	0.8	2.29	23	<10	290	0.6	2	0.60	<0.5	17	93	33	4.36
ZZ22807		0.18	0.008	0.8	2.86	23	<10	190	0.7	<2	0.13	<0.5	16	69	64	5.05
ZZ22808		0.28	0.002	<0.2	1.88	8	<10	220	0.9	2	0.79	<0.5	20	155	30	4.98
ZZ22809		0.26	0.002	<0.2	2.03	4	<10	290	0.9	<2	1.16	<0.5	19	172	38	4.39
ZZ22810		0.28	0.002	<0.2	2.27	6	<10	230	1.1	<2	0.80	<0.5	25	228	35	4.38
ZZ22811		0.24	0.002	<0.2	2.30	6	<10	220	0.9	2	0.70	<0.5	20	154	31	4.38
ZZ22812		0.20	0.001	<0.2	1.92	5	<10	240	0.9	2	0.85	<0.5	25	152	36	4.97



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ22761		10	<1	0.11	10	0.55	550	1	<0.01	28	600	13	0.02	<2	5	17
ZZ22762		10	<1	0.11	20	0.73	977	2	0.01	36	760	17	0.01	<2	12	25
ZZ22763		<10	<1	0.10	40	0.44	746	2	<0.01	20	1070	51	0.06	2	6	35
ZZ22764		<10	<1	0.12	30	0.60	1015	2	<0.01	20	760	28	0.03	<2	9	25
ZZ22777		10	<1	0.17	20	0.93	685	1	0.01	36	1140	20	0.01	2	5	34
ZZ22778		10	<1	0.10	10	0.60	318	1	<0.01	22	800	17	0.01	<2	4	16
ZZ22779		10	<1	0.10	10	0.72	395	<1	0.01	26	940	12	0.01	<2	4	23
ZZ22780		10	<1	0.11	10	0.77	226	3	0.01	26	990	11	0.02	3	5	18
ZZ22781		10	<1	0.12	10	0.94	1320	1	0.01	31	1680	19	0.03	<2	6	29
ZZ22782		10	<1	0.18	20	0.94	559	2	0.02	45	1320	17	0.03	<2	9	30
ZZ22783		10	<1	0.14	10	0.90	422	1	0.02	32	1280	20	0.02	<2	7	27
ZZ22784		10	<1	0.10	10	0.73	296	1	0.02	36	1110	18	0.04	<2	8	27
ZZ22785		10	<1	0.11	10	0.80	271	1	0.02	42	820	20	0.01	2	11	25
ZZ22786		10	<1	0.23	20	0.97	398	1	0.02	38	1060	19	0.01	<2	12	23
ZZ22787		10	<1	0.12	10	0.77	209	1	0.01	29	990	25	0.02	<2	8	22
ZZ22788		10	<1	0.08	10	0.86	696	1	0.02	37	1170	6	0.07	<2	12	67
ZZ22789		10	<1	0.08	10	0.76	485	1	0.02	30	1310	6	0.06	<2	13	59
ZZ22790		10	<1	0.05	10	1.24	586	1	0.01	33	700	7	0.02	<2	6	34
ZZ22791		<10	<1	0.11	10	0.53	1940	1	0.01	73	1840	7	0.06	<2	17	48
ZZ22792		<10	<1	0.07	10	0.74	595	1	0.02	29	1550	6	0.11	<2	11	75
ZZ22793		10	<1	0.05	10	0.64	352	1	0.02	50	1590	6	0.07	<2	9	54
ZZ22794		10	<1	0.12	20	0.90	406	3	0.02	48	1270	36	0.03	<2	9	28
ZZ22795		10	<1	0.11	20	0.73	381	4	0.01	39	1260	27	0.03	<2	9	25
ZZ22796		10	<1	0.09	10	0.61	151	3	0.01	29	830	36	0.05	<2	5	23
ZZ22797		10	<1	0.07	10	0.55	246	2	0.01	29	1180	33	0.03	2	6	22
ZZ22798		10	<1	0.05	10	0.34	164	1	0.01	17	310	11	0.02	<2	4	14
ZZ22799		10	<1	0.04	<10	0.16	115	2	0.01	10	240	7	0.02	<2	2	13
ZZ22800		10	<1	0.07	10	0.75	1110	2	0.02	39	710	10	0.07	<2	7	38
ZZ22801		10	1	0.17	20	0.75	320	2	0.02	43	960	17	0.03	2	11	31
ZZ22802		10	<1	0.10	20	0.57	414	2	0.02	41	1090	19	0.02	2	12	36
ZZ22803		10	<1	0.21	20	0.85	544	5	0.01	58	1250	23	0.02	2	13	27
ZZ22804		10	<1	0.23	10	0.97	816	2	0.02	82	1090	19	0.07	2	12	46
ZZ22805		10	<1	0.10	20	1.26	2620	1	0.02	52	1140	37	0.05	2	11	45
ZZ22806		10	<1	0.10	10	1.07	580	1	0.02	53	990	32	0.04	<2	10	54
ZZ22807		10	<1	0.11	10	0.76	626	3	0.01	52	740	23	0.10	<2	6	23
ZZ22808		10	<1	0.07	10	1.21	304	1	0.02	69	1590	5	0.05	<2	14	57
ZZ22809		10	<1	0.07	10	1.82	584	<1	0.02	65	1530	6	0.07	<2	14	81
ZZ22810		10	<1	0.07	20	2.29	245	1	0.02	87	1670	6	0.04	<2	18	50
ZZ22811		10	<1	0.08	10	1.26	411	1	0.02	69	1360	7	0.04	<2	15	48
ZZ22812		10	<1	0.07	10	1.16	276	1	0.02	77	1590	9	0.05	<2	14	67



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		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ22761		<20	0.09	<10	<10	76	<10	66
ZZ22762		<20	0.09	<10	<10	106	<10	92
ZZ22763		<20	0.03	<10	<10	64	<10	77
ZZ22764		<20	0.06	<10	<10	78	<10	87
ZZ22777		<20	0.15	<10	<10	93	<10	71
ZZ22778		<20	0.18	<10	<10	120	<10	46
ZZ22779		<20	0.11	<10	<10	68	<10	60
ZZ22780		<20	0.12	<10	<10	90	<10	81
ZZ22781		<20	0.13	<10	<10	97	<10	92
ZZ22782		<20	0.13	<10	<10	108	<10	101
ZZ22783		<20	0.12	<10	<10	92	<10	87
ZZ22784		<20	0.10	<10	<10	97	<10	107
ZZ22785		<20	0.11	<10	<10	105	<10	103
ZZ22786		<20	0.14	<10	<10	111	<10	106
ZZ22787		<20	0.08	<10	<10	110	<10	109
ZZ22788		<20	0.04	<10	<10	83	<10	77
ZZ22789		<20	0.05	<10	<10	77	<10	67
ZZ22790		<20	0.06	<10	<10	79	<10	75
ZZ22791		<20	0.02	<10	<10	78	<10	85
ZZ22792		<20	0.03	<10	<10	69	<10	77
ZZ22793		<20	0.02	<10	<10	74	<10	86
ZZ22794		<20	0.06	<10	<10	131	<10	148
ZZ22795		<20	0.06	<10	<10	111	<10	114
ZZ22796		<20	0.05	<10	<10	77	<10	109
ZZ22797		<20	0.05	<10	<10	75	<10	116
ZZ22798		<20	0.07	<10	<10	76	<10	40
ZZ22799		<20	0.10	<10	<10	84	<10	29
ZZ22800		<20	0.09	<10	<10	85	<10	89
ZZ22801		<20	0.09	<10	<10	101	<10	110
ZZ22802		<20	0.06	<10	<10	94	<10	140
ZZ22803		<20	0.12	<10	<10	126	<10	200
ZZ22804		<20	0.05	<10	<10	109	<10	130
ZZ22805		<20	0.09	<10	<10	148	<10	175
ZZ22806		<20	0.05	<10	<10	117	<10	167
ZZ22807		<20	0.08	<10	<10	92	<10	182
ZZ22808		<20	0.03	<10	<10	99	<10	88
ZZ22809		<20	0.03	<10	<10	92	<10	87
ZZ22810		<20	0.03	<10	<10	118	<10	103
ZZ22811		<20	0.04	<10	<10	96	<10	85
ZZ22812		<20	0.03	<10	<10	99	<10	103



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ22813		0.24	0.001	<0.2	2.03	4	<10	180	0.9	<2	1.01	<0.5	25	205	38	4.08
ZZ22814		0.22	0.010	0.2	1.86	47	<10	100	<0.5	<2	0.11	<0.5	12	50	34	4.65
ZZ22815		0.18	0.011	0.3	2.22	18	<10	720	0.5	<2	0.69	1.0	79	83	39	4.29
ZZ22816		0.26	0.004	0.3	1.70	54	<10	460	0.6	2	0.47	<0.5	15	53	52	4.19
ZZ22817		0.22	0.007	0.3	1.98	47	<10	400	<0.5	<2	0.27	0.5	13	43	42	4.05
ZZ22818		0.28	<0.001	0.5	2.30	29	<10	270	0.6	<2	0.29	0.6	14	50	40	3.88
ZZ22819		0.30	0.001	0.2	1.57	43	<10	190	0.6	<2	0.35	<0.5	18	48	58	4.15
ZZ22820		0.22	0.004	0.7	1.82	43	<10	430	0.5	<2	0.39	0.6	12	56	33	3.75
ZZ22821		0.38	0.002	0.2	2.13	22	<10	310	0.7	<2	0.60	<0.5	19	86	30	3.92
ZZ22822		0.26	0.001	<0.2	1.26	7	<10	360	0.9	<2	1.09	<0.5	27	86	28	5.24
ZZ22823		0.26	0.001	<0.2	1.96	4	<10	260	0.7	<2	0.66	<0.5	17	101	25	2.93
ZZ22824		0.26	0.003	<0.2	1.49	6	<10	170	0.7	<2	0.62	<0.5	16	54	19	4.34
ZZ22825		0.26	0.001	<0.2	1.73	6	<10	170	0.8	<2	0.60	<0.5	15	63	23	3.92
ZZ22826		0.30	0.001	<0.2	1.19	8	<10	180	0.6	2	0.64	<0.5	11	70	12	4.42
ZZ22827		0.46	0.002	<0.2	1.59	7	<10	290	1.1	<2	0.72	<0.5	33	195	38	6.53
ZZ22828		0.50	0.001	<0.2	1.89	5	<10	190	1.0	<2	0.76	<0.5	21	188	32	5.08
ZZ22829		0.32	0.004	0.2	2.13	6	<10	250	1.1	<2	0.80	<0.5	22	178	24	4.77
ZZ22830		0.30	0.003	<0.2	1.43	11	<10	290	1.2	<2	1.13	<0.5	27	152	29	5.19
ZZ22831		0.18	0.004	0.2	1.75	5	<10	190	0.6	<2	1.04	<0.5	17	97	20	3.88
ZZ22832		0.30	0.002	<0.2	2.23	5	<10	240	0.8	<2	0.67	<0.5	23	116	29	4.54
ZZ22833		0.24	0.003	0.2	1.84	9	<10	230	0.6	<2	0.57	<0.5	14	90	29	2.75
ZZ22834		0.30	<0.001	<0.2	2.54	39	<10	430	0.5	<2	0.46	<0.5	16	123	31	4.68
ZZ22835		0.38	0.006	<0.2	2.44	23	<10	450	0.6	<2	0.54	<0.5	17	98	39	4.44
ZZ22836		0.22	0.004	<0.2	1.77	14	<10	80	<0.5	<2	0.11	<0.5	7	38	20	4.32
ZZ22837		0.40	0.002	0.6	1.86	36	<10	400	0.6	<2	0.29	<0.5	12	76	38	3.36
ZZ22838		0.22	0.008	0.4	1.61	77	<10	120	0.5	<2	0.09	<0.5	11	39	44	4.09
ZZ22839		0.24	0.004	0.3	2.06	22	<10	90	<0.5	<2	0.15	<0.5	9	44	24	4.12
ZZ22840		0.26	0.003	0.5	2.86	13	<10	120	0.7	<2	0.28	0.6	19	55	43	3.94
ZZ22841		0.22	0.008	0.3	1.84	48	<10	540	0.6	<2	0.45	0.6	19	73	57	4.24
ZZ22842		0.32	0.004	0.3	2.34	41	<10	400	0.6	<2	0.44	<0.5	11	66	42	3.87
ZZ22843		0.20	0.002	0.5	1.47	82	<10	290	0.5	<2	0.51	<0.5	8	49	29	3.07
ZZ22844		0.28	0.007	0.3	1.81	47	<10	230	<0.5	<2	0.43	<0.5	7	50	19	2.67
ZZ22845		0.14	0.003	0.2	1.60	12	<10	200	<0.5	<2	0.38	<0.5	5	42	21	2.20
ZZ22846		0.36	0.003	<0.2	1.79	8	<10	190	<0.5	<2	0.35	<0.5	7	42	16	2.32
ZZ22847		0.40	0.010	0.2	2.39	19	<10	240	0.5	2	0.28	<0.5	9	40	23	2.87
ZZ22848		0.18	0.007	0.2	2.46	36	<10	150	<0.5	<2	0.32	0.8	8	39	21	3.80
ZZ22849		0.26	0.004	0.2	2.50	22	<10	270	0.5	<2	0.56	<0.5	11	42	23	3.54
ZZ22850		0.20	0.030	0.2	1.03	8	<10	150	<0.5	<2	0.37	<0.5	4	20	13	1.50
ZZ22851		0.26	0.006	<0.2	2.30	24	<10	160	0.5	<2	0.29	<0.5	11	55	29	3.09
ZZ22852		0.22	0.004	0.2	2.00	36	<10	160	<0.5	<2	0.32	<0.5	7	56	24	3.30



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ22813		10	<1	0.07	10	1.84	368	1	0.02	153	1540	6	0.05	<2	12	76
ZZ22814		10	<1	0.08	10	0.43	623	4	<0.01	34	650	30	0.03	4	5	15
ZZ22815		10	<1	0.10	10	0.88	8540	2	0.02	69	1250	20	0.06	<2	10	48
ZZ22816		10	<1	0.09	10	0.57	471	4	0.01	47	980	15	0.03	4	7	32
ZZ22817		10	<1	0.11	10	0.49	529	3	<0.01	35	550	12	0.03	<2	4	25
ZZ22818		10	<1	0.10	10	0.61	521	1	<0.01	34	720	17	0.02	<2	6	23
ZZ22819		<10	<1	0.08	20	0.56	714	1	0.01	39	850	23	0.01	<2	8	21
ZZ22820		10	<1	0.14	10	0.69	545	2	<0.01	31	790	21	0.03	<2	5	39
ZZ22821		10	<1	0.06	10	0.86	254	<1	0.01	45	1180	7	0.01	<2	10	43
ZZ22822		<10	<1	0.07	10	0.53	1165	1	0.01	54	1610	9	0.08	<2	12	85
ZZ22823		<10	<1	0.05	10	0.90	541	<1	0.02	46	1250	5	0.02	<2	11	43
ZZ22824		<10	<1	0.06	10	0.94	851	<1	0.02	23	1210	5	0.01	<2	11	40
ZZ22825		<10	<1	0.07	10	0.84	722	<1	0.02	26	1110	6	0.02	<2	13	34
ZZ22826		<10	<1	0.09	10	0.46	293	1	<0.01	21	1740	5	0.02	<2	10	39
ZZ22827		<10	<1	0.08	10	0.58	1370	<1	0.03	67	1900	7	<0.01	<2	22	38
ZZ22828		10	<1	0.05	20	0.94	303	<1	0.04	47	1890	5	<0.01	2	17	52
ZZ22829		10	<1	0.07	20	1.49	761	<1	0.02	48	1510	5	0.01	<2	18	49
ZZ22830		<10	<1	0.13	10	1.09	958	<1	0.02	75	1640	8	0.01	<2	27	77
ZZ22831		<10	<1	0.06	10	1.69	320	<1	0.06	48	1830	2	0.01	<2	9	87
ZZ22832		10	<1	0.06	10	1.60	185	<1	0.03	60	1350	3	<0.01	<2	12	60
ZZ22833		10	<1	0.08	10	0.84	742	<1	0.02	51	1250	11	<0.01	<2	9	40
ZZ22834		10	<1	0.11	10	1.43	1335	1	0.02	50	730	13	0.02	<2	10	33
ZZ22835		10	<1	0.24	10	1.26	681	2	0.01	51	1120	11	0.03	<2	7	39
ZZ22836		10	<1	0.04	10	0.26	332	2	<0.01	14	390	15	0.01	<2	3	14
ZZ22837		10	<1	0.08	10	0.67	380	1	0.01	33	900	19	0.02	<2	7	22
ZZ22838		10	<1	0.08	10	0.34	485	5	<0.01	36	440	19	0.03	2	4	13
ZZ22839		10	<1	0.07	10	0.46	387	2	<0.01	21	480	14	0.03	<2	4	15
ZZ22840		10	<1	0.14	10	0.81	602	1	0.01	47	780	9	0.04	<2	6	20
ZZ22841		10	<1	0.24	10	0.97	787	4	0.02	54	1250	19	0.07	3	7	28
ZZ22842		10	<1	0.14	10	0.90	319	2	0.01	32	940	13	0.03	<2	8	26
ZZ22843		10	<1	0.11	10	0.64	307	2	0.01	23	1390	38	0.02	<2	5	30
ZZ22844		10	<1	0.09	10	0.66	190	1	0.01	24	1080	15	0.02	<2	4	23
ZZ22845		<10	<1	0.05	10	0.50	137	<1	0.01	19	750	11	0.04	<2	5	23
ZZ22846		10	<1	0.06	10	0.55	152	<1	0.01	20	620	10	0.02	<2	5	22
ZZ22847		10	<1	0.09	20	0.54	224	6	0.01	18	470	15	0.02	<2	7	22
ZZ22848		10	<1	0.13	10	0.62	389	6	0.01	21	380	13	0.03	<2	5	28
ZZ22849		10	<1	0.07	20	0.64	471	2	0.01	17	960	10	0.07	<2	6	41
ZZ22850		10	<1	0.06	10	0.24	136	1	0.01	7	320	12	0.03	<2	2	32
ZZ22851		10	<1	0.06	10	0.66	169	1	0.01	26	740	10	0.04	<2	5	19
ZZ22852		10	<1	0.08	10	0.67	175	1	0.01	23	930	10	0.05	<2	5	20



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ22813		<20	0.04	<10	<10	91	<10	81
ZZ22814		<20	0.07	<10	<10	101	<10	105
ZZ22815		<20	0.08	<10	<10	103	<10	174
ZZ22816		<20	0.04	<10	<10	83	<10	171
ZZ22817		<20	0.05	<10	<10	96	<10	130
ZZ22818		<20	0.07	<10	<10	83	<10	92
ZZ22819		<20	0.07	<10	<10	82	<10	111
ZZ22820		<20	0.07	<10	<10	91	<10	129
ZZ22821		<20	0.06	<10	<10	100	<10	79
ZZ22822		<20	0.02	<10	<10	108	<10	76
ZZ22823		<20	0.04	<10	<10	90	<10	71
ZZ22824		<20	0.06	<10	<10	77	<10	73
ZZ22825		<20	0.07	<10	<10	78	<10	70
ZZ22826		<20	0.06	<10	<10	88	<10	62
ZZ22827		<20	0.03	<10	<10	127	<10	95
ZZ22828		<20	0.03	<10	<10	130	<10	86
ZZ22829		<20	0.02	<10	<10	119	<10	89
ZZ22830		<20	0.03	<10	<10	105	<10	88
ZZ22831		<20	0.04	<10	<10	90	<10	76
ZZ22832		<20	0.05	<10	<10	89	<10	67
ZZ22833		<20	0.07	<10	<10	85	<10	80
ZZ22834		<20	0.15	<10	<10	146	<10	143
ZZ22835		<20	0.20	<10	<10	111	<10	119
ZZ22836		<20	0.10	<10	<10	105	<10	47
ZZ22837		<20	0.04	<10	<10	75	<10	86
ZZ22838		<20	0.05	<10	<10	84	<10	142
ZZ22839		<20	0.10	<10	<10	95	<10	60
ZZ22840		<20	0.16	<10	<10	86	<10	85
ZZ22841		<20	0.16	<10	<10	134	<10	162
ZZ22842		<20	0.14	<10	<10	115	<10	124
ZZ22843		<20	0.08	<10	<10	87	<10	124
ZZ22844		<20	0.09	<10	<10	80	<10	110
ZZ22845		<20	0.08	<10	<10	61	<10	72
ZZ22846		<20	0.09	<10	<10	68	<10	77
ZZ22847		<20	0.07	<10	<10	70	<10	75
ZZ22848		<20	0.10	<10	<10	92	<10	110
ZZ22849		<20	0.08	<10	<10	82	<10	74
ZZ22850		<20	0.11	<10	<10	60	<10	34
ZZ22851		<20	0.09	<10	<10	84	<10	62
ZZ22852		<20	0.11	<10	<10	92	<10	68



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ22853		0.40	0.004	0.2	2.13	16	<10	200	<0.5	<2	0.30	<0.5	11	59	24	3.15
ZZ22854		0.50	0.004	0.2	2.16	16	<10	240	0.5	<2	0.37	<0.5	13	60	31	3.27
ZZ22855		0.32	0.004	<0.2	2.01	9	<10	200	0.5	<2	0.34	<0.5	8	62	25	2.76
ZZ22856		0.28	0.009	0.3	2.50	11	<10	270	0.5	<2	0.44	<0.5	11	73	33	3.41
ZZ22857		0.46	0.003	<0.2	1.84	12	<10	240	0.5	<2	0.45	<0.5	12	73	21	3.30
ZZ22858		0.40	0.001	<0.2	2.06	14	<10	180	0.6	<2	0.39	<0.5	16	74	23	3.49
ZZ22859		0.26	0.006	<0.2	1.82	15	<10	230	0.5	<2	0.69	<0.5	12	104	20	3.21
ZZ22860		0.36	0.002	<0.2	2.42	14	<10	110	<0.5	2	0.22	<0.5	13	59	16	3.83
ZZ22861		0.40	0.004	0.2	2.32	20	<10	230	0.5	<2	0.48	<0.5	12	62	22	3.77
ZZ22862		0.40	0.005	<0.2	2.36	23	<10	410	0.5	<2	0.50	<0.5	13	69	39	3.44
ZZ22863		0.40	0.003	0.2	2.45	38	<10	410	0.5	<2	0.46	<0.5	11	71	31	4.08
ZZ22864		0.22	0.006	0.4	2.13	19	<10	410	<0.5	<2	0.64	<0.5	9	56	19	2.66
ZZ22865		0.36	0.004	<0.2	2.49	66	<10	380	0.5	<2	0.48	<0.5	15	42	21	4.15
ZZ22866		0.16	0.004	0.3	2.36	29	<10	450	<0.5	<2	0.79	<0.5	9	37	24	3.39
ZZ22867		0.28	0.028	0.2	2.73	26	<10	330	0.5	<2	0.50	<0.5	11	44	23	3.82
ZZ22868		0.34	0.003	0.2	2.40	14	<10	340	0.5	<2	0.47	<0.5	12	36	19	3.66
ZZ22869		0.36	0.003	<0.2	2.61	31	<10	320	0.6	<2	0.46	<0.5	15	31	18	5.53
ZZ22870		0.20	0.003	0.3	2.00	10	<10	470	0.6	<2	0.66	<0.5	13	30	22	3.10
ZZ22871		0.30	0.004	0.2	2.08	21	<10	290	<0.5	<2	0.32	<0.5	10	30	15	3.90
ZZ22872		0.28	0.003	<0.2	2.26	8	<10	290	<0.5	<2	0.40	<0.5	10	31	12	3.42
ZZ22873		0.16	0.004	0.3	2.60	11	<10	410	0.6	<2	0.47	<0.5	16	35	20	4.62
ZZ22874		0.34	0.002	0.2	2.18	6	<10	280	<0.5	<2	0.45	<0.5	9	33	15	3.31
ZZ22875		0.44	0.003	<0.2	2.12	8	<10	300	0.6	<2	0.53	<0.5	9	37	25	3.36
ZZ22876		0.38	0.003	<0.2	2.26	8	<10	400	0.7	<2	0.47	<0.5	15	34	22	3.23
ZZ22877		0.48	0.003	<0.2	1.92	13	<10	280	<0.5	<2	0.36	<0.5	9	32	15	3.06
ZZ22878		0.26	0.003	0.2	2.44	22	<10	380	0.6	<2	0.50	<0.5	12	38	25	3.34
ZZ22879		0.22	0.004	0.5	2.77	16	<10	460	0.7	2	0.83	<0.5	13	39	33	3.49
ZZ22880		0.32	0.004	0.3	1.80	28	<10	450	0.5	<2	0.31	0.9	13	43	29	3.94
ZZ22901		0.16	0.005	0.4	2.04	51	<10	220	<0.5	<2	0.40	1.4	13	31	24	3.37
ZZ22902		0.24	0.005	<0.2	2.52	36	<10	210	0.6	<2	0.45	<0.5	15	36	24	3.98
ZZ22903		0.26	0.007	<0.2	1.78	27	<10	230	<0.5	<2	0.60	<0.5	12	33	24	3.23
ZZ22904		0.26	0.004	<0.2	2.35	45	<10	290	0.5	<2	0.65	<0.5	14	35	18	4.01
ZZ22905		0.24	0.003	0.3	2.31	23	<10	280	<0.5	<2	0.61	<0.5	13	35	17	3.61
ZZ22906		0.36	0.007	0.2	1.84	55	<10	270	0.6	<2	0.63	<0.5	14	37	21	4.02
ZZ22907		0.24	0.004	0.2	2.30	33	<10	320	0.5	<2	0.71	<0.5	13	36	19	3.74
ZZ22908		0.28	0.003	<0.2	2.45	41	<10	290	0.6	<2	0.64	<0.5	14	36	19	4.41
ZZ22909		0.34	0.002	<0.2	2.23	23	<10	250	<0.5	<2	0.55	<0.5	10	34	16	3.47
ZZ22910		0.22	0.003	<0.2	2.22	19	<10	250	<0.5	2	0.55	<0.5	13	36	18	3.53
ZZ22911		0.28	0.003	<0.2	2.01	27	<10	270	<0.5	<2	0.50	<0.5	10	38	18	2.79
ZZ22912		0.12	0.003	0.3	2.54	27	<10	570	0.5	<2	0.91	<0.5	21	49	31	3.97



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ22853		10	<1	0.09	10	0.74	210	<1	0.01	28	870	11	<0.01	<2	6	20
ZZ22854		10	<1	0.10	10	0.74	347	<1	0.02	29	890	14	<0.01	<2	7	26
ZZ22855		10	<1	0.08	20	0.67	171	<1	0.02	24	770	12	<0.01	<2	7	25
ZZ22856		10	<1	0.13	20	0.90	384	1	0.02	35	850	13	<0.01	<2	8	36
ZZ22857		10	<1	0.16	20	0.88	540	<1	0.02	30	1170	14	<0.01	<2	6	32
ZZ22858		10	<1	0.15	10	0.91	843	1	0.02	35	950	17	<0.01	<2	5	31
ZZ22859		10	<1	0.10	10	1.11	390	1	0.03	43	1250	18	0.02	2	4	80
ZZ22860		10	<1	0.10	10	0.75	533	1	0.02	28	610	12	<0.01	<2	4	20
ZZ22861		10	<1	0.19	20	0.97	597	1	0.02	26	1040	15	<0.01	2	6	37
ZZ22862		10	<1	0.24	10	0.97	346	1	0.03	35	680	9	<0.01	<2	9	33
ZZ22863		10	<1	0.24	10	1.00	335	2	0.03	31	940	9	<0.01	3	8	29
ZZ22864		10	<1	0.11	10	0.72	430	1	0.02	22	1140	8	0.05	4	6	42
ZZ22865		10	<1	0.21	20	0.81	1150	2	0.02	19	830	10	0.01	7	7	32
ZZ22866		10	<1	0.16	20	0.66	506	1	0.02	18	1200	10	0.07	2	7	56
ZZ22867		10	<1	0.16	20	0.80	338	1	0.02	20	770	12	0.01	2	9	31
ZZ22868		10	<1	0.23	20	0.80	334	2	0.02	15	740	10	0.01	2	9	42
ZZ22869		10	<1	0.30	30	0.99	671	2	0.02	11	860	10	<0.01	2	10	37
ZZ22870		10	<1	0.12	30	0.54	1240	3	0.02	13	1560	7	0.10	2	7	73
ZZ22871		10	<1	0.13	20	0.57	421	2	0.02	13	610	11	0.01	<2	6	28
ZZ22872		10	<1	0.14	10	0.66	541	1	0.02	14	660	9	<0.01	<2	5	29
ZZ22873		10	<1	0.10	30	0.64	918	2	0.02	17	1150	10	0.05	2	8	36
ZZ22874		10	<1	0.09	10	0.57	537	1	0.02	15	730	9	0.02	2	5	34
ZZ22875		10	<1	0.16	20	0.68	465	<1	0.02	20	960	7	<0.01	<2	10	34
ZZ22876		10	<1	0.11	30	0.66	401	3	0.02	18	1040	12	<0.01	<2	9	30
ZZ22877		10	<1	0.10	10	0.58	544	2	0.02	15	510	11	0.01	2	5	29
ZZ22878		10	<1	0.10	20	0.61	486	5	0.02	23	720	14	0.04	<2	7	45
ZZ22879		10	<1	0.12	40	0.58	1140	3	0.02	22	1010	11	0.07	2	9	71
ZZ22880		10	<1	0.13	10	0.49	436	3	0.02	38	660	19	0.01	3	4	26
ZZ22901		10	<1	0.12	10	0.44	606	2	0.02	18	690	14	0.02	2	4	34
ZZ22902		10	<1	0.16	20	0.77	751	2	0.02	18	760	11	<0.01	2	7	30
ZZ22903		10	<1	0.16	20	0.74	567	1	0.03	17	1030	6	<0.01	<2	7	35
ZZ22904		10	<1	0.17	10	1.01	451	1	0.02	14	910	7	0.01	<2	8	39
ZZ22905		10	<1	0.18	10	0.97	364	<1	0.02	14	740	10	0.01	2	10	38
ZZ22906		10	<1	0.15	10	0.78	303	1	0.02	17	1020	12	<0.01	2	9	37
ZZ22907		10	<1	0.14	20	0.85	746	1	0.02	14	1040	10	0.02	<2	9	46
ZZ22908		10	<1	0.18	20	0.95	1080	1	0.02	14	1030	9	0.01	<2	9	40
ZZ22909		10	1	0.13	10	0.85	342	<1	0.02	16	850	14	0.03	2	6	35
ZZ22910		10	1	0.13	10	0.78	544	1	0.02	15	870	11	0.04	<2	8	35
ZZ22911		10	1	0.11	10	0.64	559	<1	0.02	15	840	12	0.05	2	7	32
ZZ22912		10	<1	0.13	20	0.73	3590	4	0.03	22	1240	16	0.11	<2	8	89



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ22853		<20	0.11	<10	<10	78	<10	79
ZZ22854		<20	0.11	<10	<10	82	<10	77
ZZ22855		<20	0.12	<10	<10	75	<10	64
ZZ22856		<20	0.12	<10	<10	85	<10	72
ZZ22857		<20	0.13	<10	<10	84	<10	62
ZZ22858		<20	0.13	<10	<10	85	<10	75
ZZ22859		<20	0.11	<10	<10	84	<10	71
ZZ22860		<20	0.14	<10	<10	87	<10	61
ZZ22861		<20	0.16	<10	<10	93	<10	67
ZZ22862		<20	0.20	<10	<10	115	<10	88
ZZ22863		<20	0.19	<10	<10	126	<10	95
ZZ22864		<20	0.12	<10	<10	78	<10	69
ZZ22865		<20	0.15	<10	<10	106	<10	86
ZZ22866		<20	0.10	<10	<10	91	<10	90
ZZ22867		<20	0.16	<10	<10	106	<10	91
ZZ22868		<20	0.15	<10	<10	98	<10	88
ZZ22869		<20	0.17	<10	<10	123	<10	77
ZZ22870		<20	0.08	<10	10	73	<10	67
ZZ22871		<20	0.10	<10	<10	81	<10	70
ZZ22872		<20	0.14	<10	<10	84	<10	74
ZZ22873		<20	0.10	<10	<10	97	<10	72
ZZ22874		<20	0.12	<10	<10	84	<10	68
ZZ22875		<20	0.13	<10	<10	78	<10	69
ZZ22876		<20	0.11	<10	<10	86	<10	72
ZZ22877		<20	0.09	<10	<10	69	<10	78
ZZ22878		<20	0.08	<10	<10	79	<10	77
ZZ22879		<20	0.08	<10	<10	78	<10	80
ZZ22880		<20	0.11	<10	<10	105	<10	147
ZZ22901		<20	0.10	<10	<10	102	<10	91
ZZ22902		<20	0.13	<10	<10	98	<10	80
ZZ22903		<20	0.14	<10	<10	87	<10	69
ZZ22904		<20	0.15	<10	<10	109	<10	75
ZZ22905		<20	0.14	<10	<10	99	<10	84
ZZ22906		<20	0.12	<10	<10	105	<10	93
ZZ22907		<20	0.12	<10	<10	103	<10	78
ZZ22908		<20	0.14	<10	<10	119	<10	78
ZZ22909		<20	0.14	<10	<10	99	<10	75
ZZ22910		<20	0.14	<10	<10	98	<10	74
ZZ22911		<20	0.13	<10	<10	89	<10	76
ZZ22912		<20	0.11	<10	<10	102	<10	89



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ22913		0.30	0.003	<0.2	2.59	19	<10	350	0.5	<2	0.58	<0.5	12	52	17	3.48
ZZ22914		0.18	0.004	<0.2	2.34	12	<10	290	<0.5	2	0.52	<0.5	10	47	21	3.24
ZZ22915		0.34	0.002	<0.2	2.31	9	<10	260	<0.5	<2	0.43	<0.5	11	42	16	2.94
ZZ22916		0.18	0.006	<0.2	1.82	16	<10	260	0.5	<2	0.72	<0.5	11	77	23	3.05
ZZ22917		0.20	0.003	<0.2	1.88	19	<10	230	0.6	<2	0.81	<0.5	12	85	24	3.07
ZZ22918		0.24	0.004	<0.2	1.90	53	<10	260	<0.5	<2	0.91	<0.5	10	60	26	3.12
ZZ22919		0.30	0.003	0.3	3.15	20	<10	360	0.5	<2	0.44	<0.5	9	50	22	3.22
ZZ22920		0.26	0.004	<0.2	2.07	26	<10	320	0.5	<2	0.38	<0.5	11	47	19	3.34
ZZ22921		0.30	0.007	<0.2	1.87	21	<10	120	<0.5	<2	0.12	<0.5	6	34	13	3.75
ZZ22922		0.18	0.004	<0.2	2.03	21	<10	440	0.5	<2	0.61	0.5	12	37	21	3.05
ZZ22923		0.28	0.003	<0.2	2.08	24	<10	380	<0.5	<2	0.66	<0.5	11	42	22	3.42
ZZ22924		0.34	0.005	<0.2	2.13	27	<10	310	0.5	<2	0.63	<0.5	11	37	21	3.46
ZZ22925		0.34	0.004	<0.2	2.67	18	<10	300	0.5	<2	0.52	<0.5	13	42	23	3.50
ZZ22926		0.28	0.006	<0.2	2.36	19	<10	330	0.5	2	0.56	<0.5	11	41	26	3.22
ZZ22927		0.16	0.002	<0.2	2.07	23	<10	310	<0.5	<2	0.62	0.5	9	34	21	3.39
ZZ22928		0.20	0.003	<0.2	2.18	20	<10	260	<0.5	<2	0.45	<0.5	10	34	20	3.29
ZZ22929		0.28	0.007	0.3	2.17	22	<10	310	0.5	<2	0.85	<0.5	13	35	22	3.05
ZZ22930		0.26	0.004	0.2	2.01	42	<10	270	0.5	<2	0.63	<0.5	13	33	20	4.16
ZZ22931		0.24	0.001	0.4	2.49	15	<10	340	0.7	<2	0.58	<0.5	9	39	28	3.35
ZZ22932		0.28	0.005	0.2	2.00	20	<10	420	0.6	<2	0.59	0.5	17	77	33	3.91
ZZ22933		0.40	0.008	<0.2	2.02	20	<10	280	<0.5	2	0.62	<0.5	11	39	14	3.42
ZZ22934		0.20	0.005	0.2	2.65	27	<10	490	0.6	2	0.49	<0.5	11	48	37	3.39
ZZ22935		0.08	0.004	<0.2	2.06	32	<10	400	<0.5	<2	0.54	<0.5	32	39	15	4.56
ZZ22936		0.14	0.004	0.2	1.80	36	<10	360	<0.5	2	0.65	<0.5	13	33	10	3.27
ZZ22937		0.16	0.006	0.2	1.94	12	<10	460	<0.5	<2	0.43	<0.5	9	43	13	2.55
ZZ22938		0.08	0.004	0.6	1.99	73	<10	1170	0.7	<2	0.88	<0.5	47	54	32	4.99
ZZ22939		0.16	0.006	0.3	1.59	92	<10	540	<0.5	<2	0.61	<0.5	8	48	21	3.99
ZZ22940		0.20	0.005	0.3	2.12	57	<10	630	0.5	<2	0.54	<0.5	22	53	31	3.53
ZZ22941		0.22	0.004	0.3	1.71	55	<10	360	0.5	<2	0.42	<0.5	11	51	21	3.15
ZZ22942		0.36	0.004	0.4	1.90	113	<10	400	0.6	2	0.44	<0.5	14	49	25	4.29
ZZ22943		0.14	NSS	1.1	2.56	140	<10	730	0.6	2	0.45	<0.5	13	48	31	3.80
ZZ22944		0.18	0.007	0.9	2.61	117	<10	410	0.6	2	0.26	0.6	15	51	32	4.18
ZZ22945		0.14	0.010	0.5	2.25	64	<10	570	0.5	<2	0.28	<0.5	11	40	29	3.50
ZZ22946		0.14	0.003	<0.2	0.87	20	<10	350	<0.5	<2	0.11	<0.5	4	27	20	1.93
ZZ22947		0.14	0.009	0.4	2.31	110	<10	300	0.5	2	0.65	<0.5	15	35	29	3.79
ZZ22948		0.24	0.004	0.3	2.31	70	<10	220	0.6	<2	0.35	<0.5	13	34	24	3.52
ZZ22949		0.20	0.004	0.2	2.20	40	<10	240	0.6	<2	0.45	<0.5	14	33	25	3.31
ZZ22950		0.36	0.007	<0.2	1.89	30	<10	190	0.5	<2	0.37	<0.5	10	32	20	2.93
ZZ22951		0.32	0.003	0.4	1.39	41	<10	490	0.6	<2	0.42	0.7	14	51	63	3.80
ZZ22952		0.28	0.005	0.6	1.79	54	<10	340	0.5	<2	0.33	0.7	8	41	41	3.13



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ22913		10	<1	0.14	10	0.82	531	1	0.02	26	700	16	0.04	3	6	58
ZZ22914		10	<1	0.16	20	0.77	302	<1	0.02	21	560	16	0.03	<2	8	42
ZZ22915		10	<1	0.14	10	0.79	300	<1	0.02	23	560	12	0.03	2	5	38
ZZ22916		10	<1	0.12	20	0.89	423	1	0.03	35	1250	17	0.06	3	5	76
ZZ22917		10	<1	0.12	20	0.95	404	1	0.03	40	1360	19	0.08	2	5	89
ZZ22918		10	<1	0.08	10	0.84	393	3	0.03	29	930	15	0.08	2	6	94
ZZ22919		10	<1	0.19	20	0.81	350	1	0.04	24	540	15	0.05	2	7	39
ZZ22920		10	<1	0.22	20	0.79	463	1	0.02	22	570	14	0.03	2	5	33
ZZ22921		10	<1	0.05	10	0.34	237	2	0.02	13	250	14	0.02	2	3	17
ZZ22922		10	<1	0.17	20	0.63	807	1	0.02	19	1000	12	0.07	4	4	49
ZZ22923		10	<1	0.28	10	0.79	525	1	0.03	18	910	13	0.04	<2	7	64
ZZ22924		10	1	0.16	20	0.72	483	2	0.02	17	850	10	0.03	<2	8	57
ZZ22925		10	1	0.17	20	0.76	408	1	0.02	18	790	13	0.04	2	9	42
ZZ22926		10	<1	0.13	20	0.69	473	1	0.02	19	870	12	0.05	2	9	46
ZZ22927		10	1	0.11	10	0.59	435	1	0.02	15	300	12	0.03	<2	6	55
ZZ22928		10	<1	0.10	20	0.57	306	1	0.02	16	510	9	0.04	<2	6	42
ZZ22929		10	<1	0.09	20	0.62	901	3	0.02	16	1130	8	0.08	<2	7	76
ZZ22930		10	1	0.14	20	0.69	434	3	0.02	14	800	9	0.02	2	8	56
ZZ22931		10	<1	0.12	40	0.64	334	3	0.03	19	700	9	0.06	<2	12	55
ZZ22932		10	<1	0.10	20	0.88	630	2	0.03	42	1340	14	0.03	2	8	58
ZZ22933		10	<1	0.11	10	0.80	517	1	0.02	16	1060	9	0.05	<2	6	44
ZZ22934		10	1	0.12	20	0.74	254	<1	0.02	22	640	9	0.03	<2	10	38
ZZ22935		10	<1	0.10	10	0.64	1650	1	0.02	17	850	7	0.05	<2	7	39
ZZ22936		10	<1	0.10	10	0.61	686	1	0.03	13	950	6	0.06	<2	5	42
ZZ22937		10	1	0.10	10	0.58	391	1	0.02	16	690	7	0.06	<2	5	30
ZZ22938		10	1	0.08	10	0.52	9110	5	0.03	25	1490	10	0.14	2	7	81
ZZ22939		10	<1	0.07	10	0.40	1375	2	0.02	19	1340	6	0.13	<2	6	51
ZZ22940		10	1	0.13	10	0.61	952	2	0.02	28	930	8	0.07	2	7	40
ZZ22941		10	<1	0.16	10	0.64	368	2	0.02	23	760	7	0.02	<2	6	26
ZZ22942		10	1	0.17	10	0.65	490	2	0.02	24	830	9	0.03	2	6	29
ZZ22943		10	<1	0.20	10	0.57	530	3	0.02	33	860	10	0.04	2	5	40
ZZ22944		10	1	0.18	10	0.63	614	2	0.02	35	740	10	0.03	2	6	22
ZZ22945		10	<1	0.12	10	0.56	470	1	0.01	25	530	10	0.01	<2	4	24
ZZ22946		10	<1	0.08	10	0.16	105	2	0.01	11	310	11	0.01	<2	1	13
ZZ22947		10	<1	0.11	20	0.77	803	1	0.02	17	620	9	0.03	<2	7	41
ZZ22948		10	<1	0.08	20	0.69	625	1	0.01	18	670	10	0.02	<2	6	26
ZZ22949		10	<1	0.11	20	0.75	556	1	0.01	18	790	18	0.02	<2	6	29
ZZ22950		10	<1	0.09	20	0.64	462	<1	0.01	17	660	7	<0.01	<2	6	25
ZZ22951		<10	<1	0.14	20	0.65	560	2	0.02	49	1050	9	0.03	2	9	27
ZZ22952		<10	<1	0.08	10	0.57	226	2	0.01	27	660	10	0.01	2	6	22



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CERTIFICATE OF ANALYSIS WH11145417

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ22913		<20	0.16	<10	<10	97	<10	77
ZZ22914		<20	0.18	<10	<10	88	<10	69
ZZ22915		<20	0.16	<10	<10	81	<10	67
ZZ22916		<20	0.11	<10	<10	79	<10	77
ZZ22917		<20	0.10	<10	<10	75	<10	88
ZZ22918		<20	0.13	<10	10	84	<10	72
ZZ22919		<20	0.17	<10	<10	86	<10	66
ZZ22920		<20	0.17	<10	<10	94	<10	95
ZZ22921		<20	0.13	<10	<10	114	<10	44
ZZ22922		<20	0.11	<10	<10	81	<10	90
ZZ22923		<20	0.18	<10	<10	102	<10	78
ZZ22924		<20	0.15	<10	<10	89	<10	67
ZZ22925		<20	0.15	<10	<10	95	<10	74
ZZ22926		<20	0.12	<10	<10	87	<10	69
ZZ22927		<20	0.13	<10	<10	94	<10	79
ZZ22928		<20	0.11	<10	<10	86	<10	78
ZZ22929		<20	0.09	<10	<10	73	<10	76
ZZ22930		<20	0.14	<10	<10	84	<10	79
ZZ22931		<20	0.12	<10	<10	83	<10	84
ZZ22932		<20	0.12	<10	<10	89	<10	108
ZZ22933		<20	0.13	<10	<10	85	<10	82
ZZ22934		<20	0.15	<10	<10	101	<10	77
ZZ22935		<20	0.13	<10	<10	94	<10	70
ZZ22936		<20	0.12	<10	<10	80	<10	63
ZZ22937		<20	0.11	<10	<10	66	<10	70
ZZ22938		<20	0.07	<10	<10	94	<10	80
ZZ22939		<20	0.05	<10	<10	71	<10	52
ZZ22940		<20	0.08	<10	<10	85	<10	86
ZZ22941		<20	0.12	<10	<10	87	<10	75
ZZ22942		<20	0.10	<10	<10	91	<10	69
ZZ22943		<20	0.07	<10	<10	94	<10	75
ZZ22944		<20	0.12	<10	<10	106	<10	89
ZZ22945		<20	0.10	<10	<10	88	<10	74
ZZ22946		<20	0.11	<10	<10	79	<10	35
ZZ22947		<20	0.14	<10	<10	101	<10	70
ZZ22948		<20	0.11	<10	<10	89	<10	60
ZZ22949		<20	0.11	<10	<10	82	<10	65
ZZ22950		<20	0.10	<10	<10	71	<10	56
ZZ22951		<20	0.10	<10	<10	89	<10	160
ZZ22952		<20	0.08	<10	<10	75	<10	146



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CERTIFICATE OF ANALYSIS WH11145417

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
ZZ22953		0.26	0.006	0.3	1.96	38	<10	730	0.5	<2	0.43	<0.5	11	47	46	3.23
ZZ22954		0.32	0.006	0.5	1.94	47	<10	430	0.6	<2	0.28	<0.5	8	47	49	3.15
ZZ22955		0.30	0.004	0.4	1.45	45	<10	440	0.5	<2	0.43	<0.5	7	39	24	3.44
ZZ22956		0.32	0.007	0.3	1.96	31	<10	360	<0.5	<2	0.44	<0.5	11	56	20	3.76
ZZ22957		0.36	0.008	0.2	2.03	21	<10	220	0.6	<2	0.41	<0.5	10	60	31	3.94
ZZ22958		0.32	0.006	<0.2	1.94	20	<10	230	<0.5	<2	0.45	<0.5	10	59	18	3.42
ZZ22959		0.26	0.006	0.2	2.09	36	<10	230	0.5	<2	0.38	<0.5	9	60	24	4.27
ZZ22960		0.26	0.005	0.2	1.95	31	<10	320	0.5	<2	0.37	<0.5	11	58	28	3.45



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ22953		10	<1	0.08	10	0.60	366	1	0.02	33	830	8	0.01	2	7	32
ZZ22954		10	<1	0.09	10	0.53	153	1	0.01	26	500	14	0.01	4	7	21
ZZ22955		<10	<1	0.08	10	0.43	264	1	0.01	17	1070	18	0.01	3	4	41
ZZ22956		10	<1	0.10	10	0.77	309	1	0.01	23	1060	14	0.01	2	5	32
ZZ22957		10	<1	0.11	20	0.81	226	<1	0.01	25	1060	14	0.01	<2	6	28
ZZ22958		10	<1	0.11	10	0.86	285	<1	0.01	25	1250	13	0.01	<2	5	27
ZZ22959		10	<1	0.10	10	0.75	204	1	0.01	26	1090	15	0.02	<2	5	25
ZZ22960		10	<1	0.11	10	0.72	210	<1	0.01	28	940	11	<0.01	<2	6	23



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ22953		<20	0.09	<10	<10	77	<10	116
ZZ22954		<20	0.07	<10	<10	88	<10	113
ZZ22955		<20	0.07	<10	<10	81	<10	95
ZZ22956		<20	0.11	<10	<10	88	<10	92
ZZ22957		<20	0.12	<10	<10	85	<10	84
ZZ22958		<20	0.13	<10	<10	87	<10	93
ZZ22959		<20	0.10	<10	<10	92	<10	99
ZZ22960		<20	0.11	<10	<10	83	<10	93



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Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non- sufficient sample.



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CERTIFICATE WH11141356

Project: LLL
P.O. No.:
This report is for 125 Soil samples submitted to our lab in Whitehorse, YT, Canada on 25-JUL- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
EXTRA- 01	Extra Sample received in Shipment
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg .02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
ZZ22681		0.26	0.005	0.4	2.33	8	<10	230	0.7	<2	0.78	<0.5	9	29	25	3.17
ZZ22682		0.24	0.002	0.2	2.43	14	<10	150	0.5	<2	0.28	<0.5	9	32	21	3.61
ZZ22683		0.28	0.011	0.3	2.78	4	<10	280	1.2	<2	0.45	<0.5	9	25	18	3.49
ZZ22684		0.22	0.012	0.2	3.32	6	<10	390	1.4	<2	0.62	<0.5	13	30	20	3.95
ZZ22685		0.28	0.001	0.2	2.82	9	<10	150	0.6	<2	0.18	<0.5	10	37	19	3.70
ZZ22686		0.18	0.004	0.4	2.92	12	<10	210	0.6	<2	0.31	<0.5	13	45	22	5.65
ZZ22687		0.24	0.001	<0.2	2.70	7	<10	190	0.6	<2	0.35	<0.5	12	36	18	3.76
ZZ22688		0.18	0.018	0.3	2.56	12	<10	360	0.8	<2	0.53	<0.5	10	35	23	4.39
ZZ22689		0.26	0.005	<0.2	1.75	6	<10	260	<0.5	<2	0.28	<0.5	7	23	13	3.69
ZZ22690		0.40	0.004	0.2	2.64	11	<10	800	0.9	<2	0.50	<0.5	11	36	23	3.91
ZZ22691		0.18	0.004	0.2	2.46	13	<10	270	0.6	<2	0.29	<0.5	9	30	16	3.89
ZZ22692		0.36	0.004	<0.2	2.53	10	<10	510	0.8	<2	0.33	<0.5	11	34	21	3.86
ZZ22693		0.26	0.005	<0.2	1.97	7	<10	130	<0.5	<2	0.27	<0.5	12	30	16	3.81
ZZ22694		0.34	0.004	0.2	2.60	9	<10	220	0.5	<2	0.42	<0.5	10	38	21	3.58
ZZ22695		0.26	0.004	<0.2	1.93	8	<10	190	0.6	<2	0.38	<0.5	8	27	22	2.80
ZZ22696		0.32	0.003	<0.2	1.67	11	<10	100	<0.5	<2	0.14	<0.5	6	26	13	3.21
ZZ22697		0.24	0.004	0.2	2.32	11	<10	180	0.5	<2	0.14	<0.5	8	31	16	3.49
ZZ22698		0.28	0.008	0.3	2.98	9	<10	280	0.8	<2	0.68	<0.5	10	34	21	4.07
ZZ22699		0.24	0.002	0.5	2.49	6	<10	370	0.8	<2	0.77	<0.5	28	27	16	4.18
ZZ22700		0.34	0.003	0.2	2.07	6	<10	150	0.5	<2	0.44	<0.5	9	27	16	3.63
ZZ22701		0.44	0.004	0.3	2.14	28	<10	460	0.5	<2	0.37	<0.5	15	81	26	4.07
ZZ22702		0.30	0.015	1.4	3.22	180	<10	410	0.9	<2	0.13	1.0	14	81	77	5.75
ZZ22703		0.34	0.007	0.6	1.99	11	<10	210	0.5	<2	0.41	<0.5	8	31	18	3.01
ZZ22704		0.32	0.003	<0.2	2.42	10	<10	260	0.5	<2	0.26	<0.5	8	32	15	4.37
ZZ22705		0.50	0.003	0.2	2.24	8	<10	320	0.6	<2	0.48	<0.5	10	29	13	3.46
ZZ22706		0.36	0.003	0.2	2.01	11	<10	300	0.5	<2	0.42	<0.5	9	25	12	3.21
ZZ22707		0.34	0.004	<0.2	1.73	10	<10	240	0.5	<2	0.41	<0.5	7	26	16	2.76
ZZ22708		0.28	0.015	1.1	1.96	261	<10	330	0.7	3	0.39	<0.5	9	23	29	3.80
ZZ22709		0.28	0.005	0.2	1.52	66	<10	70	<0.5	<2	0.10	<0.5	3	20	16	2.65
ZZ22710		0.30	0.009	0.2	1.69	42	<10	140	0.6	<2	0.25	<0.5	8	27	21	2.57
ZZ22711		0.38	0.006	0.2	2.20	25	<10	250	1.1	<2	0.55	<0.5	10	22	20	4.49
ZZ22712		0.54	0.008	0.7	2.03	49	<10	200	0.7	<2	0.36	<0.5	5	25	20	3.29
ZZ22713		0.28	0.006	0.5	2.30	26	<10	380	0.8	<2	0.40	<0.5	12	29	25	3.81
ZZ22714		0.22	0.016	0.6	3.39	22	<10	460	1.3	<2	0.69	<0.5	12	34	32	4.97
ZZ22715		0.44	0.012	0.6	2.49	27	<10	200	0.7	<2	0.49	<0.5	8	30	18	3.78
ZZ22716		0.42	0.005	0.3	2.50	11	<10	160	0.6	<2	0.38	<0.5	10	31	18	3.17
ZZ22717		0.34	0.009	0.3	3.10	10	<10	400	0.7	<2	0.42	<0.5	9	36	25	3.37
ZZ22718		0.34	0.016	<0.2	2.45	7	<10	270	0.6	<2	0.40	<0.5	14	32	16	3.73
ZZ22719		0.28	0.002	<0.2	2.80	8	<10	240	0.7	<2	0.40	<0.5	15	34	21	3.94
ZZ22720		0.44	0.003	<0.2	2.49	5	<10	330	0.7	2	0.41	<0.5	11	29	14	4.11



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ22681		10	<1	0.11	90	0.62	568	1	0.02	18	690	12	0.04	<2	6	53
ZZ22682		10	<1	0.08	20	0.67	344	<1	0.01	22	320	10	0.01	<2	4	22
ZZ22683		10	1	0.12	110	0.60	1295	1	0.01	13	600	16	0.02	<2	6	36
ZZ22684		10	<1	0.11	60	0.63	1925	1	0.01	13	810	18	0.03	<2	6	46
ZZ22685		10	<1	0.06	10	0.61	436	1	0.01	21	370	13	0.02	<2	4	19
ZZ22686		10	<1	0.07	20	0.61	1355	3	0.01	17	660	20	0.03	3	6	28
ZZ22687		10	<1	0.10	20	0.75	569	1	0.01	22	680	12	0.01	<2	5	23
ZZ22688		10	<1	0.11	40	0.64	857	2	0.01	18	700	21	0.03	<2	5	47
ZZ22689		10	<1	0.12	30	0.56	460	1	0.01	11	320	14	0.01	<2	4	25
ZZ22690		10	<1	0.13	40	0.64	974	1	0.02	19	980	13	0.04	<2	8	46
ZZ22691		10	<1	0.10	20	0.57	435	1	0.01	17	510	13	0.02	<2	5	27
ZZ22692		10	<1	0.14	20	0.72	637	<1	0.01	22	500	17	0.01	<2	6	29
ZZ22693		10	<1	0.13	20	0.67	924	1	0.01	14	650	18	0.02	<2	5	21
ZZ22694		10	<1	0.07	20	0.74	484	1	0.02	22	700	11	0.01	2	5	30
ZZ22695		10	<1	0.06	40	0.47	478	1	0.01	18	840	10	0.02	<2	2	30
ZZ22696		10	<1	0.05	10	0.35	298	1	0.01	12	360	12	0.01	<2	3	14
ZZ22697		10	<1	0.08	30	0.51	650	1	0.01	17	380	15	0.01	<2	4	14
ZZ22698		10	<1	0.16	60	0.76	966	1	0.01	17	1120	19	0.05	<2	7	50
ZZ22699		10	<1	0.12	60	0.54	4870	2	0.02	12	1180	14	0.08	<2	7	63
ZZ22700		10	<1	0.16	40	0.72	622	1	0.01	14	520	12	0.02	<2	5	37
ZZ22701		10	<1	0.09	10	0.73	286	2	0.01	43	1070	7	0.02	<2	8	23
ZZ22702		10	<1	0.16	10	0.54	568	7	0.01	69	1120	14	0.08	5	7	25
ZZ22703		10	<1	0.08	20	0.59	575	1	0.01	16	840	16	0.01	<2	5	26
ZZ22704		10	1	0.08	10	0.63	794	2	0.01	14	620	11	0.05	<2	3	25
ZZ22705		10	<1	0.08	20	0.66	739	2	0.02	13	820	9	0.02	<2	6	39
ZZ22706		10	<1	0.11	10	0.54	770	1	0.01	11	670	27	0.02	<2	5	27
ZZ22707		10	<1	0.07	20	0.45	379	1	0.01	13	590	10	0.03	2	3	33
ZZ22708		10	<1	0.11	20	0.46	739	2	0.01	12	860	43	0.04	6	5	29
ZZ22709		10	<1	0.04	10	0.18	199	2	0.01	8	280	20	0.02	<2	2	12
ZZ22710		<10	<1	0.07	10	0.48	568	1	0.01	18	410	18	0.02	<2	3	17
ZZ22711		10	<1	0.09	20	0.57	903	1	0.01	14	1710	18	0.01	<2	13	31
ZZ22712		10	<1	0.14	20	0.44	302	2	0.01	9	920	25	0.05	2	6	23
ZZ22713		10	<1	0.15	10	0.59	859	2	0.01	15	950	17	0.05	<2	5	30
ZZ22714		10	<1	0.18	40	0.79	841	1	0.01	19	1010	21	0.06	<2	14	45
ZZ22715		10	<1	0.13	20	0.71	403	1	0.01	14	820	15	0.02	<2	8	27
ZZ22716		10	1	0.11	20	0.69	339	1	0.01	15	800	12	0.02	<2	7	21
ZZ22717		10	1	0.14	30	0.63	340	1	0.02	19	920	19	0.06	2	8	31
ZZ22718		10	1	0.10	10	0.60	1095	3	0.02	16	840	14	0.04	2	5	27
ZZ22719		10	1	0.14	10	0.72	558	1	0.02	22	970	11	0.02	<2	7	24
ZZ22720		10	<1	0.09	20	0.65	714	2	0.02	13	700	11	0.04	2	6	26



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
ZZ22681		<20	0.09	<10	<10	67	<10	69
ZZ22682		<20	0.10	<10	<10	77	<10	58
ZZ22683		20	0.03	<10	<10	60	<10	79
ZZ22684		20	0.03	<10	<10	66	<10	70
ZZ22685		<20	0.09	<10	<10	72	<10	62
ZZ22686		<20	0.10	<10	<10	114	<10	68
ZZ22687		<20	0.12	<10	<10	77	<10	74
ZZ22688		<20	0.08	<10	<10	90	<10	95
ZZ22689		<20	0.10	<10	<10	72	<10	85
ZZ22690		<20	0.04	<10	<10	69	<10	77
ZZ22691		<20	0.06	<10	<10	73	<10	66
ZZ22692		<20	0.08	<10	<10	72	<10	78
ZZ22693		<20	0.13	<10	<10	84	<10	94
ZZ22694		<20	0.12	<10	<10	80	<10	71
ZZ22695		<20	0.07	<10	<10	67	<10	59
ZZ22696		<20	0.09	<10	<10	89	<10	45
ZZ22697		<20	0.08	<10	<10	78	<10	58
ZZ22698		<20	0.09	<10	<10	77	<10	90
ZZ22699		<20	0.08	<10	<10	68	<10	83
ZZ22700		<20	0.14	<10	<10	78	<10	74
ZZ22701		<20	0.08	<10	<10	89	<10	92
ZZ22702		<20	0.03	<10	<10	124	<10	243
ZZ22703		<20	0.09	<10	<10	67	<10	73
ZZ22704		<20	0.10	<10	<10	104	<10	105
ZZ22705		<20	0.10	<10	<10	78	<10	76
ZZ22706		<20	0.08	<10	<10	72	<10	86
ZZ22707		<20	0.08	<10	<10	67	<10	60
ZZ22708		<20	0.03	<10	<10	61	<10	77
ZZ22709		<20	0.06	<10	<10	78	<10	43
ZZ22710		<20	0.09	<10	<10	57	<10	61
ZZ22711		<20	0.06	<10	<10	78	<10	81
ZZ22712		<20	0.06	<10	<10	68	<10	59
ZZ22713		<20	0.04	<10	<10	75	<10	86
ZZ22714		<20	0.04	<10	<10	84	<10	103
ZZ22715		<20	0.08	<10	<10	78	<10	73
ZZ22716		<20	0.11	<10	<10	78	<10	67
ZZ22717		<20	0.04	<10	<10	81	<10	67
ZZ22718		<20	0.07	<10	<10	85	<10	64
ZZ22719		<20	0.14	<10	<10	83	<10	77
ZZ22720		<20	0.07	<10	<10	84	<10	74



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg .02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
ZZ22721		0.36	<0.001	<0.2	2.26	5	<10	310	0.6	<2	0.56	<0.5	14	26	13	4.66
ZZ22722		0.38	0.015	<0.2	2.00	4	<10	190	0.6	<2	0.26	<0.5	10	26	15	3.28
ZZ22723		0.34	0.003	<0.2	2.14	10	<10	170	0.5	2	0.19	<0.5	9	34	16	3.49
ZZ22724		0.30	0.003	<0.2	1.85	6	<10	90	<0.5	<2	0.13	<0.5	8	26	10	3.35
ZZ22725		0.32	0.007	<0.2	2.42	14	<10	300	0.8	<2	0.51	<0.5	12	31	18	4.02
ZZ22726		0.40	0.004	<0.2	1.64	8	<10	190	0.7	<2	0.44	<0.5	9	22	11	3.20
ZZ22727		0.44	0.004	<0.2	2.39	3	<10	170	0.6	2	0.19	<0.5	10	25	11	3.68
ZZ22728		0.24	0.008	<0.2	3.28	6	<10	110	0.9	<2	0.16	<0.5	11	29	15	4.31
ZZ22729		0.28	0.003	<0.2	2.97	22	<10	180	0.7	<2	0.30	<0.5	10	30	21	4.08
ZZ22730		0.46	0.003	<0.2	2.52	5	<10	160	0.5	<2	0.36	<0.5	13	32	15	4.10
ZZ22731		0.26	0.003	0.2	1.82	4	<10	220	0.5	<2	0.42	<0.5	10	28	22	2.62
ZZ22732		0.38	0.001	<0.2	3.25	6	<10	170	0.7	<2	0.24	<0.5	11	34	23	4.04
ZZ22733		0.44	0.004	<0.2	2.15	9	<10	270	0.6	<2	0.43	<0.5	12	39	22	3.37
ZZ22734		0.32	0.005	0.2	2.16	6	<10	330	0.6	<2	0.75	<0.5	9	26	17	3.16
ZZ22735		0.34	0.003	<0.2	2.13	5	<10	240	0.7	<2	0.44	<0.5	12	30	15	3.72
ZZ22736		0.36	0.003	<0.2	2.54	11	<10	240	0.8	<2	0.26	<0.5	9	35	19	3.50
ZZ22737		0.36	0.006	0.2	2.60	7	<10	240	0.9	<2	0.48	<0.5	12	37	22	3.65
ZZ22738		0.28	0.004	<0.2	1.62	3	<10	180	<0.5	<2	0.33	<0.5	10	20	8	3.46
ZZ22739		0.30	0.003	0.2	1.85	8	<10	200	0.6	<2	0.20	<0.5	9	24	16	2.96
ZZ22740		0.38	0.004	<0.2	2.25	7	<10	120	<0.5	<2	0.13	<0.5	10	31	14	3.87
ZZ22961		0.24	0.004	<0.2	1.73	4	<10	270	<0.5	<2	0.35	<0.5	8	51	30	2.16
ZZ22962		0.26	0.003	<0.2	1.72	8	<10	240	0.9	<2	0.44	<0.5	15	82	33	3.79
ZZ22963		0.14	0.006	<0.2	1.05	4	<10	60	<0.5	<2	0.06	<0.5	5	33	17	2.28
ZZ22964		0.20	0.003	<0.2	1.89	8	<10	410	0.6	<2	0.68	<0.5	15	68	28	3.76
ZZ22965		0.16	0.005	<0.2	1.61	20	<10	100	<0.5	<2	0.11	<0.5	9	49	30	4.00
ZZ22966		0.24	0.004	0.5	2.24	6	<10	640	1.0	<2	0.90	<0.5	17	73	49	3.76
ZZ22967		0.34	0.001	<0.2	1.54	5	<10	220	0.7	<2	0.41	<0.5	17	74	31	3.94
ZZ22968		0.20	0.005	0.2	1.79	3	<10	350	1.0	<2	0.26	<0.5	14	59	48	4.40
ZZ22969		0.22	0.001	0.2	1.93	2	<10	350	0.6	<2	0.38	<0.5	12	51	24	3.33
ZZ22970		0.24	0.004	0.3	2.18	9	<10	730	1.1	<2	0.55	0.6	18	91	61	4.71
ZZ22971		0.10	0.003	<0.2	2.47	4	<10	150	0.7	<2	0.81	<0.5	15	86	34	3.82
ZZ22972		0.22	0.003	<0.2	2.18	9	<10	250	0.6	<2	0.62	<0.5	18	87	23	3.88
ZZ22973		0.20	0.005	<0.2	2.12	12	<10	390	0.9	<2	0.81	<0.5	22	123	48	4.94
ZZ22974		0.28	0.003	<0.2	2.41	12	<10	210	0.7	<2	0.61	<0.5	18	94	22	3.86
ZZ22975		0.26	0.002	<0.2	2.08	6	<10	240	0.7	<2	0.58	<0.5	21	113	33	4.28
ZZ22976		0.22	0.002	<0.2	2.28	10	<10	210	0.8	<2	0.62	<0.5	23	166	25	4.47
ZZ22977		0.32	0.002	<0.2	2.26	6	<10	190	0.9	<2	0.60	<0.5	23	177	33	4.04
ZZ22978		0.18	0.001	<0.2	2.04	6	<10	240	0.7	<2	0.86	<0.5	29	172	25	4.59
ZZ22979		0.20	0.009	<0.2	2.09	3	<10	160	0.7	<2	0.82	<0.5	23	161	31	3.61
ZZ22980		0.16	0.002	<0.2	1.95	4	<10	200	0.7	<2	0.96	<0.5	26	165	31	3.95



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ22721		10	1	0.23	40	0.94	1080	1	0.02	13	910	13	0.03	2	8	49
ZZ22722		10	<1	0.14	30	0.61	471	1	0.02	15	240	11	0.02	<2	5	23
ZZ22723		10	<1	0.07	10	0.48	291	1	0.02	18	360	10	0.02	2	4	19
ZZ22724		10	1	0.06	10	0.55	432	1	0.02	12	320	10	0.02	2	4	10
ZZ22725		10	1	0.10	40	0.63	691	1	0.02	16	370	26	0.02	<2	6	44
ZZ22726		10	<1	0.12	30	0.58	705	<1	0.02	12	620	18	0.03	2	5	32
ZZ22727		10	1	0.08	20	0.49	496	1	0.02	12	520	15	0.02	<2	4	17
ZZ22728		10	1	0.13	30	0.82	778	1	0.02	17	370	21	0.03	2	5	17
ZZ22729		10	<1	0.08	10	0.79	670	1	0.02	20	290	19	0.03	3	5	26
ZZ22730		10	<1	0.10	20	0.73	864	1	0.02	19	860	14	0.03	<2	5	21
ZZ22731		10	1	0.08	30	0.50	489	1	0.03	17	490	13	0.03	<2	4	30
ZZ22732		10	<1	0.12	30	0.84	648	1	0.02	22	310	14	0.02	2	5	25
ZZ22733		10	<1	0.10	20	0.67	611	1	0.03	24	420	10	0.02	<2	6	33
ZZ22734		10	<1	0.15	50	0.62	810	<1	0.02	14	1000	16	0.08	<2	6	59
ZZ22735		10	<1	0.11	20	0.63	784	1	0.02	16	610	15	0.03	2	6	39
ZZ22736		10	<1	0.07	50	0.57	343	1	0.02	20	320	13	0.02	3	6	25
ZZ22737		10	1	0.12	50	0.66	523	1	0.02	21	510	13	0.02	<2	8	36
ZZ22738		10	1	0.27	40	0.70	697	<1	0.02	10	600	10	0.02	2	5	25
ZZ22739		10	<1	0.11	30	0.46	409	1	0.02	16	400	12	0.02	<2	4	20
ZZ22740		10	1	0.10	10	0.56	404	1	0.02	17	350	13	0.02	3	4	13
ZZ22961		10	<1	0.07	10	0.58	187	<1	0.02	24	790	11	0.02	2	6	22
ZZ22962		<10	<1	0.13	10	0.93	375	1	0.02	49	760	10	0.03	4	7	35
ZZ22963		10	<1	0.03	10	0.16	114	3	0.02	13	170	8	0.02	<2	2	10
ZZ22964		10	<1	0.13	10	0.70	764	1	0.02	35	850	15	0.05	<2	7	55
ZZ22965		10	<1	0.11	10	0.44	286	3	0.02	28	410	18	0.05	2	4	11
ZZ22966		10	1	0.18	10	0.79	692	1	0.02	59	1170	11	0.09	3	9	81
ZZ22967		10	<1	0.12	10	0.72	504	2	0.02	54	580	9	0.03	<2	6	32
ZZ22968		10	1	0.39	10	0.74	327	1	0.02	51	450	16	0.03	4	7	20
ZZ22969		10	1	0.30	10	0.81	430	1	0.02	32	500	11	0.04	2	6	31
ZZ22970		10	<1	0.30	20	0.89	571	2	0.02	66	490	17	0.04	3	10	45
ZZ22971		10	<1	0.06	10	0.99	483	1	0.03	32	1110	8	0.09	2	8	51
ZZ22972		10	1	0.07	10	1.06	206	<1	0.05	42	1130	6	0.03	4	9	43
ZZ22973		10	1	0.11	20	0.95	1805	1	0.03	70	1470	9	0.07	2	15	60
ZZ22974		10	1	0.07	10	1.19	158	<1	0.04	51	1220	6	0.03	2	7	41
ZZ22975		10	1	0.09	10	0.99	253	<1	0.03	71	1200	7	0.03	<2	10	43
ZZ22976		10	<1	0.08	10	1.36	336	1	0.03	89	1350	5	0.03	2	10	49
ZZ22977		10	1	0.09	10	1.45	189	<1	0.03	97	1300	5	0.03	<2	11	46
ZZ22978		10	<1	0.08	10	1.20	1310	1	0.03	92	1570	5	0.05	3	10	75
ZZ22979		10	<1	0.07	10	1.48	406	<1	0.03	102	1350	7	0.04	<2	10	81
ZZ22980		10	<1	0.07	10	1.37	2190	<1	0.04	92	1340	5	0.06	2	12	93



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
ZZ22721		20	0.17	<10	<10	81	<10	110
ZZ22722		<20	0.09	<10	<10	61	<10	65
ZZ22723		<20	0.10	<10	<10	80	<10	51
ZZ22724		<20	0.10	<10	<10	77	<10	63
ZZ22725		20	0.06	<10	<10	72	<10	78
ZZ22726		20	0.08	<10	<10	52	<10	86
ZZ22727		<20	0.08	<10	<10	70	<10	73
ZZ22728		30	0.12	<10	<10	77	<10	95
ZZ22729		20	0.09	<10	<10	77	<10	87
ZZ22730		<20	0.15	<10	<10	82	<10	74
ZZ22731		<20	0.09	<10	<10	60	<10	49
ZZ22732		30	0.18	<10	<10	78	<10	84
ZZ22733		<20	0.12	<10	<10	74	<10	59
ZZ22734		<20	0.09	<10	<10	61	<10	93
ZZ22735		20	0.07	<10	<10	64	<10	78
ZZ22736		<20	0.08	<10	<10	74	<10	55
ZZ22737		20	0.08	<10	<10	70	<10	63
ZZ22738		<20	0.15	<10	<10	63	<10	90
ZZ22739		<20	0.09	<10	<10	68	<10	56
ZZ22740		<20	0.10	<10	<10	78	<10	57
ZZ22961		<20	0.09	<10	<10	64	<10	73
ZZ22962		<20	0.06	<10	<10	68	<10	87
ZZ22963		<20	0.09	<10	<10	114	<10	41
ZZ22964		<20	0.05	<10	<10	74	<10	81
ZZ22965		<20	0.11	<10	<10	118	<10	79
ZZ22966		<20	0.05	<10	<10	71	<10	92
ZZ22967		<20	0.08	<10	<10	74	<10	97
ZZ22968		<20	0.12	<10	<10	89	<10	124
ZZ22969		<20	0.11	<10	<10	69	<10	132
ZZ22970		<20	0.10	<10	<10	94	<10	182
ZZ22971		<20	0.06	<10	<10	84	<10	58
ZZ22972		<20	0.08	<10	<10	95	<10	74
ZZ22973		<20	0.05	<10	<10	92	<10	104
ZZ22974		<20	0.08	<10	<10	101	<10	75
ZZ22975		<20	0.07	<10	<10	88	<10	72
ZZ22976		<20	0.05	<10	<10	100	<10	78
ZZ22977		<20	0.06	<10	<10	98	<10	79
ZZ22978		<20	0.04	<10	<10	101	<10	75
ZZ22979		<20	0.06	<10	<10	95	<10	74
ZZ22980		<20	0.06	<10	<10	88	<10	77



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CERTIFICATE OF ANALYSIS WH11141356

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg .02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
ZZ22981		0.28	0.002	<0.2	2.28	5	<10	150	0.8	<2	0.88	<0.5	24	221	41	3.79
ZZ22982		0.28	0.003	<0.2	2.39	2	<10	180	0.9	<2	0.89	<0.5	29	226	42	4.06
ZZ22983		0.28	0.003	<0.2	2.21	3	<10	190	0.9	<2	0.99	<0.5	20	191	38	3.92
ZZ22984		0.20	0.004	<0.2	2.70	3	<10	220	0.7	<2	0.72	<0.5	21	197	31	3.79
ZZ22985		0.24	0.002	<0.2	2.50	3	<10	240	0.8	<2	0.70	<0.5	18	193	32	4.03
ZZ22986		0.26	0.003	<0.2	2.59	2	<10	220	1.0	<2	0.77	<0.5	30	246	34	4.89
ZZ22987		0.24	0.005	<0.2	2.23	7	<10	160	<0.5	<2	0.25	<0.5	10	40	16	2.57
ZZ22988		0.20	0.011	0.2	2.24	22	<10	210	0.6	<2	0.27	<0.5	15	39	17	3.70
ZZ22989		0.18	0.003	0.2	2.56	8	<10	290	<0.5	<2	0.34	<0.5	9	32	10	3.72
ZZ22990		0.36	0.004	<0.2	2.49	17	<10	220	0.5	2	0.34	<0.5	11	31	13	4.70
ZZ22991		0.24	0.017	1.8	2.04	108	<10	280	1.1	2	0.54	<0.5	7	28	19	3.05
ZZ22992		0.28	0.025	1.2	1.82	91	<10	180	0.6	4	0.36	<0.5	8	28	20	3.22
ZZ22993		0.26	0.012	0.6	1.96	71	<10	180	<0.5	2	0.26	<0.5	8	31	18	2.56
ZZ22994		0.36	0.006	0.2	2.38	46	<10	210	0.6	<2	0.32	<0.5	8	37	21	3.98
ZZ22995		0.34	0.013	0.2	2.25	146	<10	160	0.6	<2	0.32	<0.5	9	35	36	3.75
ZZ22996		0.32	0.073	0.4	2.47	262	<10	340	0.7	2	0.37	0.5	14	36	59	4.29
ZZ22997		0.22	0.191	0.7	1.48	184	<10	140	0.6	2	0.22	0.7	11	21	95	3.27
ZZ22998		0.20	0.005	0.2	2.78	33	<10	130	0.7	<2	0.16	<0.5	11	37	24	3.77
ZZ22999		0.24	0.027	0.3	2.24	105	<10	160	0.7	2	0.24	0.5	11	32	34	2.91
ZZ23000		0.24	0.040	0.3	1.37	66	<10	110	0.8	2	0.28	2.1	10	21	34	2.90
ZZ22881		0.28	0.003	0.2	1.76	18	<10	560	<0.5	<2	0.48	0.9	10	37	26	2.22
ZZ22882		0.52	0.005	0.2	2.37	19	<10	300	0.5	<2	0.39	<0.5	11	50	19	2.92
ZZ22883		0.32	0.003	0.2	2.53	20	<10	380	0.5	<2	0.36	<0.5	8	43	23	2.85
ZZ22884		0.28	0.004	0.5	2.05	13	<10	570	0.5	<2	0.30	0.5	10	50	55	3.37
ZZ22885		0.38	0.006	0.5	2.33	34	<10	790	0.8	<2	0.27	0.5	24	50	63	4.50
ZZ22886		0.40	0.003	0.2	1.90	21	<10	490	<0.5	2	0.33	<0.5	14	45	40	3.28
ZZ22887		0.46	0.004	0.2	1.95	33	<10	770	0.6	<2	0.33	0.5	13	47	53	4.18
ZZ22888		0.36	0.004	0.2	2.07	13	<10	340	<0.5	<2	0.33	<0.5	9	44	29	2.81
ZZ22889		Not Recvd														
ZZ22890		0.38	0.002	<0.2	1.83	3	<10	230	1.1	<2	1.27	<0.5	17	85	29	4.41
ZZ22891		0.26	0.004	<0.2	1.78	4	<10	330	0.7	<2	0.66	<0.5	15	100	21	3.64
ZZ22892		0.22	0.008	<0.2	2.36	7	<10	240	0.9	<2	1.02	<0.5	32	325	57	4.69
ZZ22893		0.30	0.002	<0.2	1.95	5	<10	220	0.8	<2	1.36	<0.5	19	201	41	3.36
ZZ22894		0.24	0.002	<0.2	2.07	6	<10	220	0.8	<2	1.01	<0.5	18	153	46	3.33
ZZ22895		0.28	0.002	0.4	1.93	11	<10	180	0.7	<2	0.39	<0.5	14	109	38	3.66
ZZ22896		0.22	0.002	<0.2	2.28	<2	<10	100	0.7	<2	0.93	<0.5	23	98	37	3.72
ZZ22897		0.32	0.001	<0.2	2.03	8	<10	190	0.7	<2	0.67	<0.5	33	233	30	4.35
ZZ22898		0.20	0.001	<0.2	1.88	3	<10	320	0.6	<2	0.68	<0.5	14	171	27	2.08
ZZ22899		0.36	0.001	<0.2	1.67	8	<10	330	0.8	<2	0.29	<0.5	8	84	33	3.74
ZZ22900		0.34	0.004	0.2	2.13	30	<10	740	0.9	<2	0.46	<0.5	18	87	43	4.29



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CERTIFICATE OF ANALYSIS WH11141356

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ22981		10	<1	0.08	10	2.23	322	<1	0.03	166	1310	5	0.04	2	16	105
ZZ22982		10	1	0.07	10	1.92	1015	<1	0.03	128	1390	6	0.06	3	15	82
ZZ22983		10	1	0.07	10	1.36	463	<1	0.03	91	1310	5	0.09	<2	14	89
ZZ22984		10	1	0.05	10	2.10	476	<1	0.03	85	1370	6	0.07	<2	9	68
ZZ22985		10	1	0.06	10	1.47	452	<1	0.03	76	1230	6	0.06	<2	12	57
ZZ22986		10	1	0.06	10	1.81	498	<1	0.03	98	1390	6	0.06	2	13	57
ZZ22987		10	<1	0.06	10	0.58	223	1	0.02	19	740	15	0.04	2	5	17
ZZ22988		10	<1	0.08	20	0.48	476	2	0.02	17	830	19	0.03	3	7	20
ZZ22989		10	<1	0.10	10	0.68	395	2	0.02	15	750	14	0.06	3	4	26
ZZ22990		10	<1	0.07	20	0.64	316	1	0.02	13	900	14	0.02	2	7	19
ZZ22991		10	<1	0.12	30	0.39	440	3	0.02	14	710	29	0.06	2	10	58
ZZ22992		10	1	0.09	20	0.53	412	2	0.02	12	750	21	0.03	5	5	24
ZZ22993		10	<1	0.08	10	0.49	291	1	0.02	15	650	28	0.04	2	4	19
ZZ22994		10	1	0.09	10	0.60	402	1	0.02	19	800	20	0.04	2	4	24
ZZ22995		10	1	0.11	10	0.60	300	1	0.02	21	770	21	0.03	2	6	19
ZZ22996		10	<1	0.14	20	0.66	1045	2	0.02	20	740	40	0.06	3	6	31
ZZ22997		<10	1	0.11	20	0.36	627	2	0.02	12	660	56	0.04	5	4	15
ZZ22998		10	1	0.05	10	0.46	384	1	0.02	22	440	18	0.04	<2	4	15
ZZ22999		10	<1	0.07	10	0.56	633	1	0.02	24	430	36	0.03	3	5	17
ZZ23000		<10	<1	0.06	20	0.27	768	2	0.02	13	910	152	0.02	5	4	16
ZZ22881		<10	<1	0.09	10	0.48	204	2	0.02	19	1010	10	0.10	3	5	29
ZZ22882		10	<1	0.19	10	0.76	373	2	0.02	21	750	22	0.04	2	6	27
ZZ22883		10	<1	0.12	10	0.62	228	1	0.02	20	680	17	0.06	2	6	26
ZZ22884		10	<1	0.10	10	0.61	236	3	0.02	29	950	13	0.05	3	7	24
ZZ22885		10	<1	0.09	10	0.56	456	3	0.02	37	840	20	0.05	4	9	22
ZZ22886		10	1	0.07	10	0.56	507	2	0.02	26	620	16	0.05	3	6	24
ZZ22887		10	<1	0.09	10	0.55	272	3	0.02	33	620	13	0.04	3	7	29
ZZ22888		10	<1	0.08	20	0.59	236	<1	0.02	23	880	9	0.04	3	6	25
ZZ22889																
ZZ22890		<10	1	0.10	10	0.99	737	<1	0.02	45	1080	8	0.04	<2	21	53
ZZ22891		<10	<1	0.05	10	0.65	360	<1	0.02	47	1470	13	0.04	<2	9	42
ZZ22892		10	<1	0.06	10	2.50	543	<1	0.02	237	1300	5	0.06	<2	11	86
ZZ22893		<10	1	0.06	10	1.98	613	<1	0.03	150	1280	6	0.08	<2	10	105
ZZ22894		10	1	0.06	10	1.40	393	<1	0.03	71	1080	6	0.06	<2	14	82
ZZ22895		10	<1	0.07	10	1.00	205	1	0.02	41	1300	48	0.05	<2	8	32
ZZ22896		10	<1	0.04	10	2.47	664	<1	0.03	87	1480	5	0.03	<2	6	112
ZZ22897		10	<1	0.05	10	1.51	702	<1	0.02	150	1370	6	0.02	<2	10	54
ZZ22898		10	<1	0.05	10	0.95	197	<1	0.02	100	1110	5	0.07	<2	9	56
ZZ22899		<10	<1	0.08	10	0.43	119	1	0.01	45	870	8	0.03	<2	11	25
ZZ22900		10	<1	0.15	10	0.68	610	4	0.01	73	800	13	0.03	<2	9	41



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CERTIFICATE OF ANALYSIS WH11141356

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ22981		<20	0.07	<10	<10	83	<10	85
ZZ22982		<20	0.05	<10	<10	92	<10	83
ZZ22983		<20	0.05	<10	<10	87	<10	82
ZZ22984		<20	0.06	<10	<10	88	<10	95
ZZ22985		<20	0.06	<10	<10	89	<10	79
ZZ22986		<20	0.05	<10	<10	104	<10	90
ZZ22987		<20	0.09	<10	<10	67	<10	71
ZZ22988		<20	0.07	<10	<10	70	<10	65
ZZ22989		<20	0.11	<10	<10	86	<10	129
ZZ22990		<20	0.11	<10	<10	91	<10	76
ZZ22991		<20	0.05	<10	20	49	<10	97
ZZ22992		<20	0.07	<10	<10	59	<10	77
ZZ22993		<20	0.07	<10	<10	60	<10	62
ZZ22994		<20	0.08	<10	<10	69	<10	81
ZZ22995		<20	0.10	<10	<10	69	<10	76
ZZ22996		<20	0.06	<10	<10	77	<10	117
ZZ22997		<20	0.05	<10	<10	57	<10	107
ZZ22998		<20	0.09	<10	<10	71	<10	56
ZZ22999		<20	0.10	<10	<10	58	<10	70
ZZ23000		<20	0.04	<10	<10	49	<10	154
ZZ22881		<20	0.09	<10	<10	80	<10	109
ZZ22882		<20	0.13	<10	<10	89	<10	89
ZZ22883		<20	0.13	<10	<10	79	<10	100
ZZ22884		<20	0.10	<10	<10	90	<10	127
ZZ22885		<20	0.09	<10	<10	93	<10	150
ZZ22886		<20	0.09	<10	<10	77	<10	94
ZZ22887		<20	0.10	<10	<10	86	<10	126
ZZ22888		<20	0.10	<10	<10	70	<10	65
ZZ22889								
ZZ22890		<20	0.04	<10	<10	101	<10	86
ZZ22891		<20	0.03	<10	<10	82	<10	78
ZZ22892		<20	0.05	<10	<10	95	<10	70
ZZ22893		<20	0.05	<10	<10	75	<10	73
ZZ22894		<20	0.06	<10	<10	83	<10	69
ZZ22895		<20	0.07	<10	<10	78	<10	93
ZZ22896		<20	0.13	<10	<10	80	<10	80
ZZ22897		<20	0.05	<10	<10	99	<10	68
ZZ22898		<20	0.04	<10	<10	70	<10	96
ZZ22899		<20	0.02	<10	<10	74	<10	50
ZZ22900		<20	0.04	<10	<10	95	<10	104



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CERTIFICATE OF ANALYSIS WH11141356

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
ZZ22766		<20	0.10	<10	<10	85	<10	65
ZZ22767		<20	0.12	<10	<10	115	<10	202
ZZ22768		<20	0.09	<10	<10	82	<10	84
ZZ22769		<20	0.07	<10	<10	81	<10	96
ZZ22770		<20	0.05	<10	<10	75	<10	114



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P.O. No.:

This report is for 116 Soil samples submitted to our lab in Whitehorse, YT, Canada on 25-JUL- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
ATTN: JOAN MARIACHER
1016- 510 W HASTINGS ST
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS WH11141355

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ22531		0.20	0.004	<0.2	1.97	49	<10	320	0.6	<2	0.71	<0.5	15	113	27	3.25
ZZ22532		0.14	0.005	<0.2	1.84	25	<10	420	0.5	<2	0.60	<0.5	17	86	25	3.36
ZZ22533		0.30	0.004	0.2	1.85	24	<10	360	0.5	<2	0.56	<0.5	13	95	27	3.20
ZZ22534		0.20	0.005	<0.2	1.90	31	<10	470	0.5	<2	0.71	<0.5	21	91	45	3.65
ZZ22535		0.30	0.004	<0.2	2.06	24	<10	510	0.5	<2	0.27	<0.5	13	50	55	3.44
ZZ22536		0.28	0.007	<0.2	2.10	18	<10	300	<0.5	<2	0.24	<0.5	8	44	40	2.91
ZZ22537		0.16	0.004	0.2	2.20	22	<10	510	0.5	<2	0.27	<0.5	19	53	41	3.76
ZZ22538		0.22	0.002	0.3	1.96	48	<10	510	0.6	<2	0.26	<0.5	10	52	51	3.39
ZZ22539		0.20	0.002	0.5	1.87	40	<10	510	<0.5	<2	0.26	<0.5	13	51	41	3.41
ZZ22540		0.20	0.002	0.2	2.76	15	<10	110	0.6	<2	0.15	<0.5	11	35	22	3.42
ZZ22541		0.22	0.002	0.2	2.11	12	<10	90	<0.5	<2	0.11	<0.5	7	30	18	2.84
ZZ22542		0.18	0.004	<0.2	1.53	10	<10	100	0.5	<2	0.23	<0.5	9	32	19	3.10
ZZ22543		0.18	<0.001	<0.2	2.56	17	<10	400	1.2	<2	0.64	<0.5	11	44	29	3.84
ZZ22544		0.22	0.003	0.2	2.02	10	<10	170	0.5	<2	0.26	<0.5	8	34	14	2.78
ZZ22545		0.20	<0.001	0.2	1.24	57	<10	190	0.5	<2	0.16	<0.5	7	26	15	2.02
ZZ22546		0.16	0.019	0.6	2.82	60	<10	390	0.7	<2	0.41	<0.5	10	36	26	3.41
ZZ22547		0.12	0.005	0.2	2.59	28	<10	140	0.5	2	0.18	<0.5	7	30	30	3.63
ZZ22548		0.12	0.004	<0.2	2.37	13	<10	210	0.7	<2	0.34	<0.5	6	30	40	3.15
ZZ22549		0.16	0.027	<0.2	1.14	8	<10	140	<0.5	<2	0.29	<0.5	6	18	23	2.14
ZZ22550		0.20	0.006	0.3	2.53	20	<10	170	0.9	<2	0.30	<0.5	11	37	51	3.70
ZZ22551		0.22	0.011	0.7	2.55	33	<10	240	0.7	<2	0.57	<0.5	8	34	53	4.04
ZZ22552		0.24	0.013	0.3	2.65	43	<10	270	0.6	<2	0.29	<0.5	11	43	40	3.86
ZZ22553		0.20	0.005	<0.2	1.43	26	<10	210	<0.5	<2	0.31	0.6	5	27	29	2.45
ZZ22554		0.24	0.017	<0.2	1.68	43	<10	110	0.8	<2	0.18	0.5	8	26	28	2.76
ZZ22555		0.16	0.007	0.2	2.41	126	<10	310	0.7	<2	0.30	<0.5	9	35	33	3.91
ZZ22556		0.28	0.006	<0.2	2.11	9	<10	270	0.6	<2	0.31	<0.5	9	33	16	2.51
ZZ22557		0.28	0.002	<0.2	2.43	12	<10	370	0.6	<2	0.37	<0.5	9	36	15	3.27
ZZ22558		0.24	0.001	0.2	2.20	13	<10	210	0.7	<2	0.27	<0.5	9	38	19	3.32
ZZ22559		0.14	<0.001	<0.2	2.77	12	<10	190	0.9	<2	0.21	<0.5	9	38	19	3.83
ZZ22560		0.22	0.001	<0.2	1.76	12	<10	160	<0.5	<2	0.26	<0.5	6	27	11	3.44
ZZ22561		0.22	<0.001	0.3	2.91	9	<10	340	1.0	<2	0.56	<0.5	14	37	30	3.82
ZZ22562		0.24	<0.001	<0.2	2.66	9	<10	350	0.8	<2	0.55	<0.5	11	37	25	3.66
ZZ22563		0.26	<0.001	<0.2	1.98	4	<10	480	0.6	<2	0.73	0.8	9	33	17	3.51
ZZ22564		0.24	0.001	0.2	2.14	8	<10	280	0.6	<2	0.64	<0.5	11	30	20	3.46
ZZ22565		0.30	0.003	<0.2	1.97	10	<10	320	0.5	<2	0.65	<0.5	9	27	14	3.51
ZZ22566		0.30	0.004	<0.2	2.09	8	<10	230	0.5	<2	0.72	<0.5	10	29	14	3.30
ZZ22567		0.26	0.003	<0.2	2.14	9	<10	300	0.6	<2	0.64	<0.5	9	32	16	3.32
ZZ22568		0.18	0.001	<0.2	2.99	9	<10	150	0.8	<2	0.20	<0.5	12	35	21	3.68
ZZ22569		0.24	<0.001	<0.2	2.04	11	<10	170	0.5	<2	0.17	<0.5	9	22	9	3.74
ZZ22570		0.26	0.006	<0.2	1.92	12	<10	410	1.0	<2	0.56	<0.5	9	17	10	4.19



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ22531		10	<1	0.08	10	1.01	441	1	0.02	53	960	9	0.05	4	9	56
ZZ22532		10	<1	0.11	10	0.81	939	1	0.02	41	830	7	0.05	2	8	50
ZZ22533		10	<1	0.09	10	0.90	219	1	0.02	47	980	9	0.02	2	7	45
ZZ22534		10	<1	0.08	10	0.91	1460	2	0.02	63	1330	16	0.04	3	7	60
ZZ22535		10	<1	0.13	10	0.70	410	2	0.01	35	740	16	0.02	<2	7	25
ZZ22536		10	1	0.10	10	0.65	233	2	0.01	27	640	13	0.03	2	5	21
ZZ22537		10	<1	0.12	10	0.71	1075	2	0.01	29	840	12	0.03	3	6	25
ZZ22538		10	<1	0.21	10	0.75	339	2	0.02	30	750	9	0.06	2	6	25
ZZ22539		10	<1	0.16	10	0.65	624	3	0.01	29	820	10	0.06	<2	5	26
ZZ22540		10	1	0.06	10	0.48	445	1	0.01	26	460	17	0.04	3	4	14
ZZ22541		10	<1	0.04	10	0.32	349	1	0.01	18	260	12	0.02	2	3	13
ZZ22542		10	<1	0.06	10	0.46	580	1	0.01	20	500	16	0.01	<2	4	17
ZZ22543		10	<1	0.11	30	0.61	1930	2	0.02	27	990	39	0.06	2	7	47
ZZ22544		10	<1	0.06	10	0.51	429	1	0.01	18	610	20	0.02	<2	4	19
ZZ22545		10	<1	0.06	10	0.22	1435	2	0.01	10	1170	21	0.08	4	2	20
ZZ22546		10	<1	0.10	20	0.48	1850	2	0.02	18	1030	21	0.08	2	7	41
ZZ22547		10	<1	0.11	10	0.42	371	2	0.01	14	410	17	0.03	2	4	19
ZZ22548		10	1	0.10	20	0.45	331	2	0.01	14	440	18	0.03	3	6	31
ZZ22549		<10	<1	0.07	10	0.41	577	1	0.01	8	430	18	0.01	4	4	25
ZZ22550		10	<1	0.09	10	0.60	638	2	0.01	22	340	24	0.02	3	5	32
ZZ22551		10	<1	0.09	20	0.65	309	2	0.01	16	1200	28	0.08	3	6	39
ZZ22552		10	<1	0.12	10	0.64	902	2	0.01	24	780	22	0.04	4	5	26
ZZ22553		10	<1	0.09	10	0.37	396	1	0.01	15	350	12	0.03	2	3	34
ZZ22554		<10	<1	0.06	20	0.33	615	1	0.01	13	560	20	0.02	2	4	15
ZZ22555		10	<1	0.13	20	0.60	593	3	0.01	18	530	26	0.04	5	5	33
ZZ22556		10	<1	0.07	20	0.43	341	1	0.01	14	600	18	0.02	<2	7	22
ZZ22557		10	<1	0.08	10	0.54	611	2	0.01	19	730	20	0.04	2	5	30
ZZ22558		10	1	0.09	10	0.55	791	2	0.01	22	620	25	0.03	4	4	23
ZZ22559		10	<1	0.13	20	0.51	913	2	0.01	20	730	25	0.04	2	5	16
ZZ22560		10	1	0.07	10	0.54	282	2	0.01	13	320	12	0.02	2	4	24
ZZ22561		10	<1	0.11	60	0.60	1175	1	0.02	23	650	16	0.03	<2	6	42
ZZ22562		10	<1	0.11	50	0.70	802	1	0.02	22	580	13	0.02	3	8	38
ZZ22563		10	<1	0.16	40	0.70	592	1	0.02	17	1130	12	0.05	3	6	57
ZZ22564		10	<1	0.10	40	0.72	730	1	0.02	18	870	14	0.02	<2	7	45
ZZ22565		10	<1	0.09	20	0.65	470	<1	0.01	14	870	17	0.02	<2	5	43
ZZ22566		10	<1	0.08	20	0.67	645	1	0.01	15	880	16	0.02	<2	6	48
ZZ22567		10	<1	0.12	30	0.70	661	<1	0.01	15	610	17	0.02	<2	7	51
ZZ22568		10	<1	0.13	20	0.76	482	1	0.01	23	420	11	<0.01	<2	6	15
ZZ22569		10	<1	0.20	20	0.71	932	<1	0.01	11	510	15	<0.01	<2	4	14
ZZ22570		10	<1	0.38	50	0.75	1035	<1	0.01	9	1040	17	0.01	<2	7	36



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ22531		<20	0.06	<10	<10	73	<10	75
ZZ22532		<20	0.06	<10	<10	73	<10	87
ZZ22533		<20	0.08	<10	<10	74	<10	86
ZZ22534		<20	0.06	<10	<10	77	<10	109
ZZ22535		<20	0.11	<10	<10	77	<10	83
ZZ22536		<20	0.10	<10	<10	68	<10	69
ZZ22537		<20	0.11	<10	<10	86	<10	85
ZZ22538		<20	0.13	<10	<10	95	<10	108
ZZ22539		<20	0.11	<10	<10	98	<10	115
ZZ22540		<20	0.09	<10	<10	72	<10	56
ZZ22541		<20	0.10	<10	<10	84	<10	45
ZZ22542		<20	0.12	<10	<10	74	<10	60
ZZ22543		<20	0.08	<10	10	75	<10	109
ZZ22544		<20	0.08	<10	<10	59	<10	68
ZZ22545		<20	0.04	<10	10	40	<10	53
ZZ22546		<20	0.06	<10	<10	67	<10	96
ZZ22547		<20	0.03	<10	<10	74	<10	80
ZZ22548		<20	0.05	<10	<10	72	<10	61
ZZ22549		<20	0.07	<10	<10	48	<10	51
ZZ22550		<20	0.07	<10	<10	79	<10	72
ZZ22551		<20	0.06	<10	<10	88	<10	73
ZZ22552		<20	0.09	<10	<10	81	<10	96
ZZ22553		<20	0.08	<10	<10	60	<10	66
ZZ22554		<20	0.06	<10	<10	54	<10	53
ZZ22555		<20	0.09	<10	<10	83	<10	92
ZZ22556		<20	0.07	<10	10	65	<10	65
ZZ22557		<20	0.06	<10	<10	70	<10	77
ZZ22558		<20	0.09	<10	<10	72	<10	87
ZZ22559		<20	0.08	<10	<10	80	<10	83
ZZ22560		<20	0.11	<10	<10	80	<10	56
ZZ22561		<20	0.09	<10	<10	81	<10	68
ZZ22562		<20	0.11	<10	<10	74	<10	69
ZZ22563		<20	0.11	<10	<10	67	<10	93
ZZ22564		<20	0.11	<10	<10	68	<10	94
ZZ22565		<20	0.09	<10	<10	66	<10	87
ZZ22566		<20	0.11	<10	<10	66	<10	82
ZZ22567		<20	0.10	<10	<10	64	<10	89
ZZ22568		20	0.12	<10	<10	75	<10	74
ZZ22569		<20	0.13	<10	<10	68	<10	82
ZZ22570		30	0.12	<10	<10	62	<10	114



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ22571		0.20	0.014	0.2	2.44	10	<10	380	1.0	<2	0.77	<0.5	10	30	17	3.81
ZZ22572		0.24	<0.001	<0.2	2.42	13	<10	200	<0.5	<2	0.43	<0.5	10	34	14	4.16
ZZ22573		0.18	0.005	0.3	1.85	14	<10	410	0.9	<2	0.71	<0.5	10	24	16	3.04
ZZ22574		0.22	0.003	<0.2	1.85	22	<10	200	0.6	<2	0.25	<0.5	7	22	11	3.00
ZZ22575		0.24	0.003	<0.2	2.83	19	<10	150	0.7	<2	0.16	<0.5	11	33	15	4.05
ZZ22576		0.32	0.006	<0.2	1.74	6	<10	230	0.6	<2	0.49	<0.5	10	29	13	3.18
ZZ22577		0.28	0.004	<0.2	2.23	9	<10	220	0.6	<2	0.48	<0.5	9	32	19	3.17
ZZ22578		0.20	0.004	0.2	2.28	7	<10	250	0.5	<2	0.71	<0.5	11	33	16	3.21
ZZ22579		0.26	0.004	0.2	2.30	7	<10	240	0.5	<2	0.70	<0.5	10	32	17	3.32
ZZ22580		0.30	0.001	0.4	2.26	5	<10	400	0.8	<2	0.72	<0.5	11	41	21	3.49
ZZ22581		0.14	<0.001	0.3	3.12	9	<10	620	1.6	<2	0.90	<0.5	10	38	31	3.67
ZZ22582		0.26	0.001	<0.2	2.84	11	<10	360	1.2	<2	0.62	<0.5	12	35	25	3.91
ZZ22583		0.22	0.004	0.3	2.15	11	<10	630	1.0	<2	0.70	<0.5	9	22	11	3.72
ZZ22584		0.16	0.003	<0.2	2.05	8	<10	400	0.8	<2	0.64	<0.5	9	30	17	3.47
ZZ22585		0.28	0.002	0.2	2.50	9	<10	280	0.6	<2	0.63	<0.5	11	35	19	3.65
ZZ22586		0.26	0.006	0.2	2.16	10	<10	210	0.5	<2	0.67	<0.5	7	32	17	3.38
ZZ22587		0.14	0.010	0.4	2.24	10	<10	250	0.7	<2	0.82	<0.5	15	34	23	3.65
ZZ22588		0.24	0.007	0.3	2.28	11	<10	370	0.8	<2	0.60	<0.5	12	35	32	3.30
ZZ22589		0.34	0.004	0.3	2.49	14	<10	380	0.9	<2	0.41	<0.5	12	38	32	3.36
ZZ22590		0.30	<0.001	<0.2	2.28	9	<10	430	1.1	<2	0.61	<0.5	11	31	15	3.93
ZZ22591		0.22	0.033	<0.2	1.64	9	<10	190	0.6	<2	0.21	<0.5	13	20	9	3.65
ZZ22592		0.40	0.002	<0.2	2.61	8	<10	260	0.8	<2	0.33	<0.5	12	37	19	3.68
ZZ22593		0.30	0.003	<0.2	1.96	6	<10	170	0.8	<2	0.20	<0.5	11	23	11	3.15
ZZ22594		0.24	0.003	<0.2	2.11	7	<10	140	0.7	<2	0.20	<0.5	12	21	12	3.53
ZZ22595		0.20	0.002	<0.2	2.03	6	<10	190	0.7	<2	0.40	<0.5	8	18	10	3.54
ZZ22596		0.16	0.001	<0.2	1.88	5	<10	180	<0.5	<2	0.25	<0.5	6	20	8	2.84
ZZ22597		0.20	0.005	<0.2	2.20	11	<10	110	<0.5	<2	0.13	<0.5	7	29	12	3.72
ZZ22598		0.22	0.029	<0.2	2.27	11	<10	180	0.6	<2	0.31	<0.5	11	31	16	3.22
ZZ22599		0.20	0.005	0.2	1.88	8	<10	210	0.5	<2	0.61	<0.5	9	30	21	3.00
ZZ22600		0.36	0.005	0.2	2.06	4	<10	240	0.6	<2	0.55	<0.5	11	32	18	3.43
ZZ22601		0.28	0.005	0.3	2.58	7	<10	270	0.9	<2	0.71	<0.5	10	35	24	3.74
ZZ22602		0.20	0.007	0.6	3.26	5	<10	440	1.2	<2	1.19	<0.5	10	37	33	4.13
ZZ22603		0.30	<0.001	<0.2	2.53	6	<10	200	0.5	<2	0.44	<0.5	11	33	16	4.28
ZZ22604		0.28	0.002	<0.2	1.98	4	<10	170	0.5	<2	0.38	<0.5	12	27	15	3.73
ZZ22605		0.28	0.001	<0.2	2.62	6	<10	250	0.9	<2	0.46	<0.5	12	38	25	3.83
ZZ22606		0.26	0.002	<0.2	2.70	8	<10	280	0.7	<2	0.61	<0.5	12	40	25	3.60
ZZ22607		0.32	<0.001	<0.2	2.97	11	<10	170	0.6	<2	0.19	<0.5	11	40	17	3.80
ZZ22608		0.28	0.003	<0.2	2.31	6	<10	140	0.6	<2	0.11	<0.5	9	19	10	3.36
ZZ22609		0.36	0.002	<0.2	2.36	8	<10	390	0.8	<2	0.49	<0.5	10	41	30	3.59
ZZ22610		0.20	<0.001	<0.2	1.32	9	<10	110	<0.5	<2	0.14	<0.5	4	16	9	2.57



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ22571		10	<1	0.17	60	0.64	794	1	0.01	15	1060	16	0.02	<2	10	64
ZZ22572		10	<1	0.13	20	0.73	705	1	0.01	17	510	16	<0.01	<2	5	34
ZZ22573		10	<1	0.15	50	0.42	1155	1	0.01	11	940	14	0.04	<2	6	59
ZZ22574		10	<1	0.12	30	0.55	579	<1	0.01	11	580	18	<0.01	<2	5	17
ZZ22575		10	1	0.10	20	0.58	822	1	0.01	18	520	20	<0.01	<2	4	15
ZZ22576		10	<1	0.10	20	0.62	768	<1	0.01	14	510	15	0.01	<2	5	40
ZZ22577		10	<1	0.07	30	0.62	506	<1	0.01	16	700	14	0.01	<2	6	32
ZZ22578		10	<1	0.08	20	0.70	1155	1	0.02	16	940	22	0.03	<2	6	48
ZZ22579		10	<1	0.11	30	0.76	591	<1	0.02	15	900	14	0.03	<2	7	50
ZZ22580		10	<1	0.14	30	0.91	688	<1	0.02	19	1250	14	0.03	<2	6	60
ZZ22581		10	<1	0.17	120	0.55	962	1	0.01	20	980	16	0.04	<2	10	64
ZZ22582		10	<1	0.18	50	0.63	1015	<1	0.01	17	530	19	<0.01	<2	9	43
ZZ22583		10	<1	0.17	80	0.68	806	1	0.02	10	1020	16	0.05	<2	8	55
ZZ22584		10	<1	0.12	40	0.70	796	<1	0.02	15	930	16	0.03	<2	6	50
ZZ22585		10	<1	0.10	40	0.78	646	1	0.01	17	880	15	0.03	<2	7	47
ZZ22586		10	<1	0.08	30	0.65	372	1	0.01	15	930	19	0.03	<2	6	44
ZZ22587		10	<1	0.09	40	0.66	1940	1	0.02	20	1050	18	0.05	<2	6	56
ZZ22588		10	<1	0.08	50	0.66	777	1	0.02	22	760	17	0.02	<2	7	47
ZZ22589		10	<1	0.08	50	0.63	639	1	0.02	22	550	16	<0.01	<2	8	35
ZZ22590		10	<1	0.15	60	0.69	809	<1	0.01	14	920	13	0.01	<2	11	46
ZZ22591		10	<1	0.15	40	0.50	1080	<1	0.01	9	610	21	<0.01	<2	4	17
ZZ22592		10	<1	0.10	40	0.74	750	<1	0.01	20	390	12	<0.01	<2	7	29
ZZ22593		10	<1	0.10	10	0.43	976	<1	<0.01	11	450	20	<0.01	<2	4	18
ZZ22594		10	<1	0.13	30	0.54	922	<1	0.01	12	470	23	<0.01	<2	4	14
ZZ22595		10	<1	0.15	30	0.64	743	<1	0.01	9	630	14	<0.01	<2	5	24
ZZ22596		10	<1	0.09	20	0.46	400	1	0.01	7	290	14	<0.01	<2	3	19
ZZ22597		10	<1	0.09	10	0.53	367	1	0.01	15	410	17	<0.01	<2	4	12
ZZ22598		10	<1	0.07	30	0.61	518	1	0.01	18	560	17	<0.01	<2	4	23
ZZ22599		10	<1	0.10	40	0.60	630	1	0.02	18	730	17	0.01	<2	5	41
ZZ22600		10	<1	0.09	30	0.74	1000	<1	0.02	18	740	16	0.04	<2	7	42
ZZ22601		10	<1	0.21	130	0.79	781	<1	0.02	18	1220	13	0.06	<2	9	56
ZZ22602		10	<1	0.23	180	0.64	1025	<1	0.02	22	1500	13	0.11	<2	11	106
ZZ22603		10	<1	0.19	30	0.82	886	<1	0.02	18	530	12	0.02	<2	6	33
ZZ22604		10	<1	0.17	30	0.79	1060	<1	0.02	15	860	13	0.02	<2	5	26
ZZ22605		10	<1	0.16	50	0.75	945	<1	0.02	20	550	15	0.03	<2	6	43
ZZ22606		10	<1	0.09	60	0.72	808	<1	0.02	23	830	10	0.04	<2	6	47
ZZ22607		10	<1	0.06	10	0.58	427	1	0.01	25	420	11	0.02	<2	4	19
ZZ22608		10	<1	0.10	10	0.48	627	<1	0.01	12	370	17	0.01	<2	4	11
ZZ22609		10	<1	0.07	50	0.65	558	<1	0.02	25	1000	10	0.02	<2	8	42
ZZ22610		10	<1	0.06	30	0.19	258	1	0.01	6	230	10	0.01	<2	3	16



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
ZZ22571		20	0.07	<10	<10	57	<10	92
ZZ22572		<20	0.07	<10	<10	79	<10	102
ZZ22573		<20	0.04	<10	<10	51	<10	67
ZZ22574		20	0.08	<10	<10	55	<10	68
ZZ22575		<20	0.08	<10	<10	68	<10	85
ZZ22576		<20	0.09	<10	<10	58	<10	78
ZZ22577		<20	0.10	<10	<10	67	<10	70
ZZ22578		<20	0.10	<10	<10	68	<10	87
ZZ22579		<20	0.12	<10	<10	70	<10	93
ZZ22580		<20	0.12	<10	<10	71	<10	98
ZZ22581		<20	0.03	<10	<10	62	<10	73
ZZ22582		20	0.04	<10	<10	70	<10	77
ZZ22583		20	0.06	<10	<10	63	<10	97
ZZ22584		<20	0.09	<10	<10	64	<10	90
ZZ22585		<20	0.12	<10	<10	75	<10	91
ZZ22586		<20	0.10	<10	<10	70	<10	74
ZZ22587		<20	0.09	<10	10	67	<10	82
ZZ22588		<20	0.09	<10	<10	66	<10	72
ZZ22589		<20	0.09	<10	<10	69	<10	63
ZZ22590		20	0.08	<10	<10	69	<10	79
ZZ22591		20	0.07	<10	<10	56	<10	79
ZZ22592		20	0.11	<10	<10	71	<10	73
ZZ22593		20	0.04	<10	<10	46	<10	63
ZZ22594		20	0.08	<10	<10	54	<10	74
ZZ22595		20	0.09	<10	<10	60	<10	75
ZZ22596		<20	0.04	<10	<10	60	<10	52
ZZ22597		<20	0.11	<10	<10	86	<10	61
ZZ22598		<20	0.09	<10	<10	66	<10	70
ZZ22599		<20	0.10	<10	<10	64	<10	72
ZZ22600		<20	0.12	<10	<10	69	<10	82
ZZ22601		20	0.12	<10	<10	71	<10	90
ZZ22602		20	0.08	<10	<10	74	<10	92
ZZ22603		<20	0.17	<10	<10	87	<10	92
ZZ22604		<20	0.15	<10	<10	72	<10	84
ZZ22605		<20	0.12	<10	<10	79	<10	81
ZZ22606		<20	0.10	<10	<10	75	<10	74
ZZ22607		<20	0.11	<10	<10	74	<10	64
ZZ22608		<20	0.08	<10	<10	64	<10	61
ZZ22609		<20	0.09	<10	<10	69	<10	74
ZZ22610		<20	0.09	<10	<10	93	<10	40



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
ZZ22771		0.42	0.003	0.3	1.76	13	<10	320	<0.5	<2	0.28	<0.5	5	36	18	2.90
ZZ22772		0.28	0.004	0.3	1.67	37	<10	450	<0.5	<2	0.35	<0.5	15	43	24	4.15
ZZ22773		0.36	0.005	0.3	2.55	46	<10	400	0.8	<2	0.30	<0.5	15	87	61	4.70
ZZ22774		0.36	0.003	0.2	1.80	63	<10	300	<0.5	<2	0.33	<0.5	7	44	20	3.47
ZZ22775		0.24	0.004	0.2	1.92	42	<10	500	0.5	<2	0.21	0.5	14	44	37	3.87
ZZ22776		0.26	0.012	1.1	2.91	43	<10	1270	0.7	<2	0.24	1.3	13	49	42	3.68
ZZ22651		0.16	0.011	0.6	2.66	92	<10	210	1.0	<2	0.24	<0.5	10	43	48	4.08
ZZ22652		0.20	0.007	<0.2	1.00	79	<10	120	<0.5	<2	0.14	<0.5	4	20	24	2.50
ZZ22653		0.28	0.029	0.4	1.81	40	<10	120	<0.5	<2	0.23	<0.5	6	30	22	2.55
ZZ22654		0.32	0.124	0.8	1.88	52	<10	120	0.8	<2	0.24	<0.5	10	31	48	2.91
ZZ22655		0.24	0.043	0.7	1.68	55	<10	150	0.5	<2	0.18	<0.5	6	29	41	2.74
ZZ22656		0.18	0.087	0.6	1.83	32	<10	100	0.5	<2	0.18	<0.5	7	31	54	2.69
ZZ22657		0.22	0.010	0.4	1.84	41	<10	100	<0.5	<2	0.19	<0.5	5	27	19	3.33
ZZ22658		0.18	0.009	0.7	1.64	48	<10	130	<0.5	<2	0.21	<0.5	7	27	24	2.95
ZZ22659		0.22	0.014	0.2	1.28	56	<10	120	<0.5	<2	0.32	<0.5	6	26	23	2.58
ZZ22660		0.14	0.021	1.1	4.63	229	<10	220	1.3	<2	0.13	<0.5	13	64	80	6.10
ZZ22661		0.18	0.012	0.7	3.26	129	<10	450	1.1	<2	0.51	<0.5	11	48	57	4.99
ZZ22662		0.14	0.017	1.0	2.78	94	<10	400	1.2	<2	0.41	<0.5	7	35	30	3.29
ZZ22663		0.20	0.011	0.8	2.34	78	<10	290	0.6	<2	0.28	<0.5	7	31	15	3.37
ZZ22664		0.20	0.006	0.2	2.88	15	<10	470	0.7	<2	0.66	<0.5	9	35	17	3.81
ZZ22665		0.22	0.002	<0.2	2.34	7	<10	180	0.5	<2	0.25	<0.5	7	36	12	2.72
ZZ22666		0.34	0.003	<0.2	2.23	5	<10	340	0.6	<2	0.46	<0.5	11	33	13	3.38
ZZ22667		0.34	0.002	<0.2	2.06	10	<10	260	0.5	<2	0.36	<0.5	8	33	17	3.15
ZZ22668		0.24	0.002	<0.2	1.72	7	<10	220	<0.5	<2	0.30	<0.5	8	32	17	3.05
ZZ22669		0.24	0.001	<0.2	1.91	9	<10	650	0.6	<2	0.51	<0.5	9	29	12	3.64
ZZ22670		0.36	0.005	<0.2	2.36	8	<10	570	1.0	<2	0.60	<0.5	11	38	32	3.90
ZZ22671		0.34	0.004	<0.2	2.29	5	<10	340	0.6	<2	0.59	<0.5	12	36	19	3.70
ZZ22672		0.24	0.010	<0.2	2.19	7	<10	320	0.6	<2	0.57	<0.5	11	33	19	3.51
ZZ22673		0.30	0.003	<0.2	2.53	10	<10	180	0.5	<2	0.28	<0.5	12	39	19	3.96
ZZ22674		0.20	0.004	<0.2	3.90	10	<10	220	1.1	<2	0.27	0.5	13	48	20	4.65
ZZ22675		0.26	0.004	<0.2	2.60	8	<10	130	0.5	<2	0.22	<0.5	8	39	15	4.27
ZZ22676		0.30	0.002	<0.2	2.18	8	<10	270	0.5	<2	0.31	<0.5	9	29	16	2.84
ZZ22677		0.26	0.004	0.2	2.79	9	<10	130	0.5	<2	0.22	<0.5	11	40	19	3.67
ZZ22678		0.24	0.004	<0.2	2.57	14	<10	140	0.5	<2	0.14	<0.5	10	40	14	4.14
ZZ22679		0.22	0.001	<0.2	1.36	4	<10	140	<0.5	<2	0.13	<0.5	3	15	8	1.83
ZZ22680		0.20	0.003	0.2	3.54	2	<10	380	1.2	<2	1.13	<0.5	9	36	27	3.60



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ22771		10	<1	0.07	10	0.46	145	1	0.02	18	680	8	0.03	<2	4	23
ZZ22772		10	<1	0.10	10	0.50	443	3	0.02	26	1210	12	0.03	3	5	28
ZZ22773		10	<1	0.26	20	0.99	306	2	0.02	49	750	12	0.03	2	11	19
ZZ22774		10	<1	0.08	10	0.49	295	2	0.02	19	1180	8	0.04	<2	5	23
ZZ22775		10	<1	0.10	10	0.54	644	2	0.02	34	480	14	0.03	3	5	27
ZZ22776		10	<1	0.16	10	0.39	642	3	0.02	33	970	15	0.05	2	5	38
ZZ22651		10	<1	0.08	10	0.52	814	2	0.02	22	1210	35	0.07	4	4	26
ZZ22652		10	<1	0.07	10	0.22	328	2	0.01	8	340	19	0.02	<2	2	15
ZZ22653		10	<1	0.07	10	0.43	162	1	0.01	14	710	23	0.03	3	3	17
ZZ22654		10	<1	0.07	10	0.48	742	2	0.01	18	790	36	0.03	5	4	18
ZZ22655		10	<1	0.06	10	0.32	277	2	0.02	15	600	31	0.06	5	2	20
ZZ22656		10	<1	0.06	10	0.43	378	1	0.01	17	430	36	0.04	2	3	15
ZZ22657		10	<1	0.05	10	0.29	210	2	0.01	12	280	26	0.03	2	3	18
ZZ22658		10	<1	0.07	10	0.35	351	1	0.02	15	350	20	0.03	<2	3	20
ZZ22659		<10	<1	0.08	10	0.45	421	1	0.02	14	440	13	0.03	<2	3	27
ZZ22660		10	<1	0.16	20	0.68	1070	3	0.01	28	1220	44	0.05	<2	8	16
ZZ22661		10	<1	0.16	30	0.70	1000	2	0.02	24	1360	30	0.09	<2	6	49
ZZ22662		10	<1	0.10	40	0.44	512	2	0.02	18	1370	79	0.11	3	5	43
ZZ22663		10	<1	0.08	20	0.46	274	1	0.01	14	1000	25	0.04	<2	5	23
ZZ22664		10	<1	0.11	20	0.61	522	1	0.02	17	1010	11	0.08	<2	7	61
ZZ22665		10	1	0.06	10	0.47	255	1	0.01	15	700	14	0.03	<2	5	19
ZZ22666		10	<1	0.13	20	0.63	921	<1	0.02	16	910	12	0.04	<2	6	30
ZZ22667		10	<1	0.08	10	0.53	557	<1	0.02	17	790	14	0.03	<2	5	25
ZZ22668		10	<1	0.07	10	0.51	551	<1	0.02	17	730	12	0.03	<2	4	22
ZZ22669		10	<1	0.13	20	0.59	549	<1	0.01	15	470	15	0.02	<2	4	46
ZZ22670		10	<1	0.12	60	0.70	772	2	0.02	24	1060	19	0.06	<2	7	55
ZZ22671		10	<1	0.10	30	0.78	905	1	0.02	21	820	18	0.04	<2	6	46
ZZ22672		10	<1	0.11	30	0.65	714	1	0.02	20	710	21	0.05	<2	5	43
ZZ22673		10	1	0.08	20	0.71	713	1	0.02	22	760	12	0.02	<2	5	21
ZZ22674		10	1	0.06	10	0.44	681	2	0.02	24	650	15	0.04	<2	5	24
ZZ22675		10	1	0.08	10	0.58	380	2	0.02	19	460	11	0.03	<2	4	19
ZZ22676		10	1	0.08	30	0.42	1415	1	0.02	13	480	15	0.03	<2	4	28
ZZ22677		10	<1	0.08	10	0.72	358	1	0.02	24	270	9	0.02	<2	5	19
ZZ22678		10	1	0.06	10	0.57	364	1	0.01	20	370	10	0.02	<2	4	15
ZZ22679		10	1	0.06	10	0.18	307	1	0.01	6	290	11	0.02	<2	2	14
ZZ22680		10	2	0.14	130	0.57	942	1	0.02	19	1390	13	0.11	2	9	88



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ22771		<20	0.08	<10	<10	69	<10	74
ZZ22772		<20	0.07	<10	<10	85	<10	101
ZZ22773		<20	0.16	<10	<10	139	<10	111
ZZ22774		<20	0.08	<10	<10	98	<10	72
ZZ22775		<20	0.09	<10	<10	86	<10	126
ZZ22776		<20	0.02	<10	<10	78	<10	119
ZZ22651		<20	0.06	<10	<10	78	<10	91
ZZ22652		<20	0.07	<10	<10	63	<10	62
ZZ22653		<20	0.07	<10	<10	58	<10	61
ZZ22654		<20	0.07	<10	<10	56	<10	82
ZZ22655		<20	0.06	<10	<10	62	<10	73
ZZ22656		<20	0.08	<10	<10	56	<10	59
ZZ22657		<20	0.09	<10	<10	84	<10	46
ZZ22658		<20	0.08	<10	<10	77	<10	63
ZZ22659		<20	0.09	<10	<10	54	<10	71
ZZ22660		<20	0.06	<10	10	107	<10	115
ZZ22661		<20	0.06	<10	<10	98	<10	123
ZZ22662		<20	0.04	<10	<10	58	<10	90
ZZ22663		<20	0.04	<10	<10	66	<10	77
ZZ22664		<20	0.09	<10	<10	82	<10	134
ZZ22665		<20	0.06	<10	<10	72	<10	60
ZZ22666		<20	0.11	<10	<10	81	<10	76
ZZ22667		<20	0.08	<10	<10	72	<10	75
ZZ22668		<20	0.09	<10	<10	71	<10	69
ZZ22669		<20	0.05	<10	<10	66	<10	88
ZZ22670		<20	0.09	<10	<10	75	<10	98
ZZ22671		<20	0.12	<10	<10	74	<10	92
ZZ22672		<20	0.11	<10	<10	72	<10	88
ZZ22673		<20	0.13	<10	<10	89	<10	79
ZZ22674		<20	0.09	<10	<10	92	<10	95
ZZ22675		<20	0.11	<10	<10	88	<10	67
ZZ22676		<20	0.05	<10	<10	69	<10	53
ZZ22677		<20	0.12	<10	<10	77	<10	61
ZZ22678		<20	0.13	<10	<10	89	<10	57
ZZ22679		<20	0.05	<10	<10	50	<10	34
ZZ22680		<20	0.09	<10	<10	67	<10	86



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CERTIFICATE WH11133145

Project: LLL

P.O. No.:

This report is for 197 Soil samples submitted to our lab in Whitehorse, YT, Canada on 14-JUL- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS WH11133145

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ09001		0.24	0.004	0.6	1.94	37	<10	260	0.5	2	0.13	<0.5	18	95	61	5.39
ZZ09002		0.22	0.003	<0.2	2.12	9	<10	100	<0.5	2	0.24	<0.5	10	32	24	3.12
ZZ09003		0.40	0.005	0.2	2.43	8	<10	240	0.5	<2	0.52	<0.5	12	46	36	3.30
ZZ09004		0.36	0.003	<0.2	2.58	7	<10	190	0.5	2	0.49	<0.5	14	41	28	3.64
ZZ09005		0.20	0.002	<0.2	1.45	10	<10	70	<0.5	2	0.20	<0.5	6	23	15	2.77
ZZ09006		0.28	0.007	0.7	1.90	60	<10	470	0.5	2	0.22	1.0	15	38	50	3.78
ZZ09007		0.16	0.007	1.4	1.84	193	<10	450	0.7	2	0.13	1.6	14	43	113	6.02
ZZ09008		0.22	0.008	0.9	1.46	148	<10	360	<0.5	<2	0.22	1.0	7	29	38	3.09
ZZ09009		0.42	0.006	0.4	2.61	16	<10	250	0.6	2	0.30	<0.5	13	52	34	3.57
ZZ09010		0.30	0.004	<0.2	2.47	5	<10	180	<0.5	2	0.40	<0.5	9	35	19	2.56
ZZ09011		0.32	0.003	<0.2	2.21	5	<10	160	<0.5	2	0.53	<0.5	8	33	14	2.58
ZZ09012		0.22	0.004	0.2	2.34	7	<10	190	<0.5	<2	0.51	<0.5	13	36	26	2.92
ZZ09013		0.14	0.006	<0.2	2.41	4	<10	190	<0.5	2	0.57	<0.5	11	35	19	2.87
ZZ09014		0.22	0.003	<0.2	3.26	16	<10	270	0.8	2	0.36	<0.5	16	38	42	4.02
ZZ09015		0.18	0.005	0.2	1.98	10	<10	140	<0.5	2	0.26	<0.5	10	29	24	3.11
ZZ09016		0.20	0.004	<0.2	2.43	9	<10	130	0.5	<2	0.33	<0.5	12	32	22	3.46
ZZ09017		0.14	0.005	0.2	2.48	16	<10	320	0.5	2	0.69	<0.5	37	36	21	5.69
ZZ09041		0.24	0.004	0.3	0.95	27	<10	120	<0.5	2	0.10	<0.5	4	27	21	2.46
ZZ09042		0.22	0.003	0.8	1.73	61	<10	420	0.7	2	0.33	3.9	24	49	81	5.11
ZZ09043		0.32	0.004	0.2	2.34	7	<10	180	<0.5	<2	0.54	<0.5	14	35	24	2.89
ZZ09044		0.26	0.012	0.2	2.15	7	<10	200	0.5	2	0.48	<0.5	12	35	30	3.25
ZZ09045		0.32	0.008	<0.2	2.34	9	<10	160	0.5	2	0.25	<0.5	12	35	32	2.89
ZZ09046		0.24	0.008	0.2	2.43	13	<10	330	0.6	<2	0.45	<0.5	13	41	41	3.44
ZZ09047		0.08	0.005	0.2	2.25	9	<10	220	<0.5	2	0.90	<0.5	15	34	22	3.34
ZZ09048		0.36	0.003	<0.2	2.56	9	<10	240	0.5	<2	0.49	<0.5	14	42	35	3.46
ZZ09049		0.28	0.002	<0.2	2.33	5	<10	200	0.5	2	0.41	<0.5	15	36	29	3.23
ZZ09050		0.28	0.003	0.2	2.50	7	<10	210	0.5	2	0.43	<0.5	9	35	23	2.41
ZZ09051		0.22	0.006	0.2	2.62	12	<10	250	0.6	2	0.34	0.5	19	35	28	4.18
ZZ09052		0.22	0.003	0.4	2.84	28	<10	420	0.8	2	0.79	1.0	16	36	45	4.10
ZZ09053		0.18	0.004	0.3	2.08	25	<10	400	<0.5	2	0.48	<0.5	16	40	16	3.12
ZZ09054		0.24	0.007	0.2	1.53	9	<10	280	<0.5	2	0.37	<0.5	7	32	12	2.09
ZZ09055		0.48	0.004	0.2	1.87	19	<10	220	0.6	<2	0.28	<0.5	8	39	22	2.67
ZZ09056		0.22	0.004	0.3	1.41	15	<10	220	0.5	3	0.21	<0.5	9	31	23	1.76
ZZ09057		0.30	0.003	0.2	1.79	3	<10	220	<0.5	<2	0.36	<0.5	12	92	13	2.53
ZZ09058		0.20	0.005	0.2	1.75	18	<10	270	0.5	2	0.72	<0.5	15	80	29	3.08
ZZ09059		0.18	0.003	<0.2	1.87	9	<10	220	<0.5	2	0.42	<0.5	14	90	21	2.73
ZZ09060		0.22	0.005	0.2	1.56	16	<10	270	0.5	<2	0.58	<0.5	15	83	34	3.05
ZZ09061		0.20	0.010	<0.2	1.03	7	<10	240	0.5	<2	0.62	0.6	7	59	29	2.03
ZZ09062		0.30	0.005	0.2	2.03	12	<10	180	0.7	<2	0.29	<0.5	10	40	15	3.01
ZZ09063		0.32	0.005	0.2	1.68	9	<10	130	0.6	<2	0.25	<0.5	10	33	14	2.73



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CERTIFICATE OF ANALYSIS WH11133145

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ09001		10	<1	0.13	20	0.59	909	5	0.01	62	820	34	0.07	4	7	16
ZZ09002		10	<1	0.05	10	0.53	288	1	0.02	21	500	8	0.03	2	4	20
ZZ09003		10	<1	0.11	20	0.76	332	<1	0.02	24	820	11	0.02	<2	10	33
ZZ09004		10	<1	0.08	20	0.90	384	<1	0.02	20	810	13	0.02	<2	9	31
ZZ09005		10	<1	0.04	10	0.32	208	2	0.02	11	390	10	0.02	<2	3	21
ZZ09006		10	<1	0.08	10	0.41	543	3	0.02	43	1130	42	0.05	3	4	25
ZZ09007		10	<1	0.18	10	0.26	812	4	0.01	40	1280	86	0.31	15	5	32
ZZ09008		<10	<1	0.09	10	0.35	169	2	0.01	23	1090	38	0.05	7	4	25
ZZ09009		10	<1	0.12	10	0.77	334	1	0.01	32	930	19	0.03	<2	6	21
ZZ09010		10	<1	0.06	10	0.75	230	<1	0.02	17	680	9	0.03	<2	6	26
ZZ09011		10	<1	0.06	10	0.72	261	<1	0.02	16	820	10	0.04	<2	5	31
ZZ09012		10	<1	0.06	10	0.83	477	<1	0.02	17	900	10	0.05	<2	7	30
ZZ09013		10	<1	0.05	10	0.79	341	<1	0.02	19	840	12	0.05	<2	6	33
ZZ09014		10	<1	0.07	30	0.78	649	1	0.03	23	570	16	0.04	<2	10	31
ZZ09015		10	<1	0.06	10	0.58	427	1	0.02	16	490	15	0.03	<2	5	22
ZZ09016		10	<1	0.06	10	0.80	540	<1	0.02	17	580	9	0.04	<2	5	24
ZZ09017		10	<1	0.07	10	0.83	3200	4	0.03	14	1310	18	0.08	<2	8	42
ZZ09041		10	<1	0.04	10	0.13	150	2	0.01	13	380	15	0.04	<2	2	13
ZZ09042		10	<1	0.11	10	0.45	926	3	0.02	70	1480	60	0.08	7	6	33
ZZ09043		10	<1	0.06	10	0.76	477	1	0.02	19	950	12	0.04	<2	7	31
ZZ09044		10	<1	0.08	10	0.70	700	<1	0.03	21	820	11	0.02	<2	9	31
ZZ09045		10	<1	0.07	20	0.68	414	<1	0.02	22	530	13	0.02	<2	7	20
ZZ09046		10	<1	0.07	20	0.78	2690	1	0.03	25	940	14	0.03	<2	11	36
ZZ09047		10	<1	0.06	10	0.83	1725	1	0.03	15	1490	13	0.12	<2	6	48
ZZ09048		10	<1	0.09	20	0.87	661	<1	0.02	21	920	15	0.03	<2	11	33
ZZ09049		10	<1	0.07	20	0.83	668	<1	0.02	19	780	16	0.02	<2	9	27
ZZ09050		10	<1	0.06	10	0.70	234	1	0.02	15	870	17	0.05	<2	6	31
ZZ09051		10	<1	0.11	20	0.87	538	1	0.02	18	860	27	0.04	2	11	21
ZZ09052		10	<1	0.08	30	0.76	4360	1	0.02	24	1310	17	0.10	<2	11	48
ZZ09053		10	<1	0.11	10	0.57	1855	1	0.02	18	900	13	0.06	<2	5	37
ZZ09054		10	<1	0.07	10	0.37	460	1	0.02	13	680	15	0.05	<2	4	32
ZZ09055		10	<1	0.08	10	0.38	302	1	0.02	16	600	19	0.02	2	6	24
ZZ09056		<10	<1	0.06	10	0.30	585	<1	0.02	13	450	15	0.06	<2	5	19
ZZ09057		10	<1	0.07	10	1.03	1590	<1	0.02	39	780	10	0.04	<2	4	42
ZZ09058		10	<1	0.13	20	1.02	875	1	0.03	42	1240	14	0.05	<2	6	83
ZZ09059		10	<1	0.07	10	1.06	1325	1	0.03	43	1010	12	0.05	<2	5	43
ZZ09060		10	<1	0.10	20	1.02	1045	2	0.03	54	1230	19	0.04	<2	5	58
ZZ09061		<10	<1	0.07	20	0.58	343	1	0.02	28	1250	9	0.14	<2	4	45
ZZ09062		10	1	0.07	10	0.48	1140	3	0.02	18	370	19	0.01	<2	6	30
ZZ09063		<10	<1	0.06	10	0.45	798	2	0.02	18	450	23	0.01	<2	4	19



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CERTIFICATE OF ANALYSIS WH11133145

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ09001		<20	0.12	<10	<10	138	<10	211
ZZ09002		<20	0.12	<10	<10	85	<10	51
ZZ09003		<20	0.13	<10	<10	89	<10	75
ZZ09004		<20	0.13	<10	<10	94	<10	73
ZZ09005		<20	0.11	<10	<10	86	<10	37
ZZ09006		<20	0.05	<10	<10	77	<10	159
ZZ09007		<20	0.02	<10	<10	75	<10	301
ZZ09008		<20	0.04	<10	<10	54	<10	128
ZZ09009		<20	0.08	<10	<10	97	<10	120
ZZ09010		<20	0.11	<10	<10	78	<10	64
ZZ09011		<20	0.08	<10	<10	69	<10	71
ZZ09012		<20	0.11	<10	<10	83	<10	73
ZZ09013		<20	0.08	<10	<10	74	<10	59
ZZ09014		<20	0.06	<10	<10	103	<10	78
ZZ09015		<20	0.07	<10	<10	85	<10	56
ZZ09016		<20	0.06	<10	<10	85	<10	61
ZZ09017		<20	0.04	<10	<10	95	<10	82
ZZ09041		<20	0.11	<10	<10	125	<10	60
ZZ09042		<20	0.08	<10	<10	88	<10	281
ZZ09043		<20	0.10	<10	<10	81	<10	67
ZZ09044		<20	0.10	<10	<10	80	<10	65
ZZ09045		<20	0.10	<10	<10	71	<10	58
ZZ09046		<20	0.10	<10	<10	84	<10	75
ZZ09047		<20	0.05	<10	<10	79	<10	69
ZZ09048		<20	0.10	<10	<10	91	<10	83
ZZ09049		<20	0.10	<10	<10	91	<10	78
ZZ09050		<20	0.05	<10	<10	71	<10	78
ZZ09051		<20	0.06	<10	<10	99	<10	110
ZZ09052		<20	0.04	<10	<10	88	<10	97
ZZ09053		<20	0.12	<10	<10	79	<10	101
ZZ09054		<20	0.08	<10	<10	47	<10	60
ZZ09055		<20	0.09	<10	<10	65	<10	70
ZZ09056		<20	0.06	<10	<10	50	<10	55
ZZ09057		<20	0.13	<10	<10	57	<10	78
ZZ09058		<20	0.11	<10	<10	79	<10	82
ZZ09059		<20	0.11	<10	<10	67	<10	81
ZZ09060		<20	0.10	<10	<10	76	<10	83
ZZ09061		<20	0.06	<10	10	55	<10	51
ZZ09062		<20	0.07	<10	<10	62	<10	66
ZZ09063		<20	0.07	<10	<10	52	<10	70



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CERTIFICATE OF ANALYSIS WH11133145

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ09064		0.28	0.002	0.2	1.64	12	<10	110	<0.5	<2	0.30	<0.5	10	35	11	2.72
ZZ09065		0.26	0.003	0.2	1.72	14	<10	260	0.5	<2	0.59	<0.5	13	85	23	3.18
ZZ09066		0.22	0.051	5.3	2.36	84	<10	250	1.1	6	0.21	0.9	16	39	48	3.06
ZZ09067		0.14	0.009	1.4	0.55	7	<10	260	<0.5	<2	0.37	0.8	1	11	31	0.76
ZZ09068		0.26	0.035	1.3	1.65	158	<10	200	0.7	<2	0.27	<0.5	13	33	50	2.80
ZZ09069		0.20	0.007	0.4	1.25	22	<10	140	0.5	2	0.26	1.1	10	25	37	2.45
ZZ09070		0.22	0.006	0.4	1.65	14	<10	140	<0.5	<2	0.25	0.5	8	31	20	2.60
ZZ09071		0.14	0.004	<0.2	0.77	9	<10	100	<0.5	<2	0.10	<0.5	2	16	12	1.92
ZZ09072		0.14	0.009	0.5	1.22	25	<10	100	<0.5	2	0.17	0.6	8	25	39	2.91
ZZ09073		0.20	0.004	0.3	1.73	28	<10	240	0.5	<2	0.35	<0.5	8	31	49	2.91
ZZ09074		0.22	0.033	0.6	1.91	98	<10	270	0.9	<2	0.74	<0.5	11	41	73	3.31
ZZ09075		0.24	0.005	<0.2	1.43	12	<10	150	<0.5	<2	0.38	<0.5	8	33	17	2.44
ZZ09076		0.38	0.004	<0.2	1.56	11	<10	120	<0.5	<2	0.31	<0.5	7	33	13	2.48
ZZ09077		0.26	0.004	<0.2	1.51	12	<10	130	0.5	<2	0.23	<0.5	9	30	20	2.63
ZZ09078		0.18	0.007	0.7	1.69	13	<10	160	0.8	<2	0.20	0.5	10	32	38	2.67
ZZ09079		0.12	0.008	1.5	0.67	23	<10	180	<0.5	3	0.07	0.5	2	16	21	1.15
ZZ09080		0.20	0.063	19.7	2.77	87	<10	270	0.9	2	0.16	1.1	9	42	52	3.86
ZZ09081		0.16	0.004	0.8	1.64	44	<10	140	<0.5	3	0.14	0.7	6	28	22	3.29
ZZ09082		0.14	0.005	0.4	1.97	28	<10	130	0.5	2	0.13	0.6	6	24	15	3.31
ZZ09083		0.20	0.039	1.4	1.86	117	<10	360	0.7	2	0.55	<0.5	9	28	24	2.51
ZZ09084		0.16	0.008	3.0	2.40	38	<10	310	1.0	<2	0.33	0.7	8	36	25	3.02
ZZ09085		0.18	0.002	0.4	2.02	9	<10	330	0.5	<2	0.45	<0.5	18	36	12	3.05
ZZ09086		0.16	0.004	0.3	1.10	20	<10	210	<0.5	<2	0.25	<0.5	8	26	8	3.16
ZZ09087		0.20	0.006	1.2	2.28	22	<10	620	1.1	2	0.33	<0.5	31	49	20	5.15
ZZ09088		0.16	0.003	0.2	1.65	12	<10	170	0.6	<2	0.24	<0.5	8	32	17	2.48
ZZ09089		0.46	0.006	0.3	1.90	15	<10	200	0.5	<2	0.27	<0.5	10	38	20	3.00
ZZ09090		0.22	0.003	0.3	1.43	39	<10	190	0.5	<2	0.21	<0.5	22	32	14	3.39
ZZ09091		0.28	0.008	<0.2	1.46	18	<10	150	0.5	<2	0.24	<0.5	7	35	16	2.56
ZZ09092		0.28	0.004	0.3	1.57	20	<10	250	<0.5	<2	0.25	<0.5	15	37	13	3.52
ZZ09093		0.18	0.004	0.5	2.08	11	<10	520	0.5	<2	0.45	0.5	7	36	21	2.35
ZZ09094		0.28	0.004	<0.2	2.09	12	<10	190	<0.5	<2	0.36	<0.5	7	47	14	2.79
ZZ09095		0.40	0.007	<0.2	2.41	13	<10	370	0.5	<2	0.54	<0.5	12	60	27	3.70
ZZ09096		0.44	0.004	<0.2	2.22	17	<10	370	0.6	<2	0.51	<0.5	13	64	31	3.47
ZZ09097		0.30	0.004	<0.2	2.01	8	<10	400	0.5	<2	0.33	<0.5	10	49	29	2.37
ZZ09098		0.12	0.003	0.2	1.54	44	<10	430	<0.5	2	0.36	<0.5	8	40	17	3.10
ZZ09099		0.50	0.004	<0.2	1.97	12	<10	330	<0.5	<2	0.49	<0.5	11	50	28	2.95
ZZ09100		0.44	0.003	<0.2	2.18	13	<10	340	0.5	<2	0.48	<0.5	11	56	29	3.07
ZZ09101		0.12	<0.001	0.6	1.31	24	<10	1080	<0.5	<2	0.28	1.4	10	40	46	2.62
ZZ09102		0.16	0.006	1.4	2.53	68	<10	1150	0.8	<2	0.28	2.2	21	65	83	4.50
ZZ09103		0.16	0.002	0.9	1.05	22	<10	550	<0.5	<2	0.65	<0.5	4	32	24	1.62



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ09064		10	<1	0.08	10	0.53	928	1	0.02	18	450	25	0.01	2	3	22
ZZ09065		10	<1	0.10	20	1.05	630	1	0.03	42	1200	13	0.04	<2	6	52
ZZ09066		10	<1	0.12	20	0.51	693	2	0.02	20	630	83	0.04	4	5	20
ZZ09067		<10	1	0.04	10	0.05	33	1	0.02	6	370	10	0.04	<2	1	29
ZZ09068		<10	1	0.08	10	0.47	550	3	0.02	16	530	62	0.03	<2	4	24
ZZ09069		<10	<1	0.06	10	0.39	448	4	0.02	16	460	28	0.03	<2	3	21
ZZ09070		10	<1	0.07	10	0.48	428	2	0.02	15	380	21	0.02	<2	3	24
ZZ09071		10	<1	0.03	10	0.08	115	2	0.01	7	270	10	0.02	<2	1	12
ZZ09072		<10	<1	0.08	10	0.31	396	3	0.02	13	570	46	0.08	2	3	19
ZZ09073		10	1	0.11	10	0.47	351	2	0.01	15	200	21	0.01	<2	3	36
ZZ09074		10	1	0.17	20	0.76	628	13	0.02	21	890	19	0.05	2	8	75
ZZ09075		<10	<1	0.06	10	0.55	309	1	0.02	17	820	10	0.04	<2	4	27
ZZ09076		10	1	0.06	10	0.52	262	1	0.02	17	740	10	0.03	<2	3	20
ZZ09077		<10	<1	0.07	10	0.44	321	1	0.01	16	550	15	0.02	<2	3	19
ZZ09078		<10	1	0.07	20	0.44	318	3	0.01	17	630	29	0.03	<2	4	18
ZZ09079		<10	<1	0.04	10	0.08	54	3	0.02	7	330	23	0.03	<2	1	13
ZZ09080		10	<1	0.11	20	0.59	267	4	0.02	23	300	401	0.04	13	5	19
ZZ09081		10	1	0.09	10	0.26	243	2	0.01	15	410	33	0.04	3	2	16
ZZ09082		10	1	0.07	10	0.25	321	2	0.01	12	280	31	0.02	2	3	14
ZZ09083		10	1	0.15	10	0.51	764	2	0.02	13	700	35	0.05	2	4	40
ZZ09084		10	1	0.15	20	0.40	1180	1	0.02	25	470	90	0.03	2	7	29
ZZ09085		10	<1	0.11	10	0.53	4970	1	0.02	18	550	25	0.04	<2	5	40
ZZ09086		<10	<1	0.07	10	0.33	4350	2	0.01	10	480	21	0.02	<2	3	21
ZZ09087		10	1	0.07	20	0.33	18950	5	0.02	17	1880	22	0.13	<2	6	32
ZZ09088		10	1	0.06	10	0.39	768	1	0.02	14	550	14	0.03	<2	5	19
ZZ09089		<10	<1	0.07	10	0.48	477	1	0.02	18	480	16	0.01	<2	6	22
ZZ09090		<10	<1	0.06	10	0.36	3540	3	0.02	14	670	17	0.03	<2	4	19
ZZ09091		<10	1	0.07	10	0.38	258	1	0.02	16	470	14	0.01	<2	4	18
ZZ09092		<10	<1	0.06	10	0.28	1790	2	0.02	14	880	17	0.07	<2	4	24
ZZ09093		10	1	0.10	10	0.44	426	1	0.02	15	600	18	0.09	<2	6	36
ZZ09094		10	1	0.07	10	0.68	182	<1	0.02	19	680	10	0.03	<2	5	28
ZZ09095		10	<1	0.15	20	0.95	405	1	0.03	29	800	12	0.01	<2	7	39
ZZ09096		10	<1	0.19	20	0.87	557	<1	0.03	28	860	15	0.01	2	8	42
ZZ09097		10	<1	0.08	20	0.56	238	<1	0.02	22	590	10	0.04	<2	7	25
ZZ09098		10	1	0.06	10	0.40	216	1	0.02	19	780	8	0.08	2	4	28
ZZ09099		10	<1	0.10	10	0.70	309	<1	0.03	23	810	10	0.02	2	6	39
ZZ09100		10	<1	0.09	20	0.72	263	<1	0.02	25	820	11	0.02	<2	7	37
ZZ09101		10	<1	0.12	10	0.25	382	2	0.03	34	700	16	0.07	2	3	34
ZZ09102		10	1	0.19	10	0.55	927	5	0.03	52	1430	45	0.15	6	7	49
ZZ09103		10	<1	0.07	10	0.30	111	1	0.02	17	790	11	0.12	<2	2	46



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ09064		<20	0.09	<10	<10	58	<10	92
ZZ09065		<20	0.10	<10	<10	78	<10	78
ZZ09066		<20	0.05	<10	10	58	<10	129
ZZ09067		<20	0.03	<10	<10	17	<10	18
ZZ09068		<20	0.06	<10	10	55	<10	88
ZZ09069		<20	0.07	<10	<10	49	<10	77
ZZ09070		<20	0.08	<10	<10	60	<10	72
ZZ09071		<20	0.08	<10	<10	68	<10	34
ZZ09072		<20	0.06	<10	<10	55	<10	65
ZZ09073		<20	0.04	<10	<10	67	<10	60
ZZ09074		<20	0.11	<10	<10	72	<10	77
ZZ09075		<20	0.08	<10	<10	56	<10	72
ZZ09076		<20	0.07	<10	<10	54	<10	62
ZZ09077		<20	0.06	<10	<10	54	<10	57
ZZ09078		<20	0.06	<10	10	53	<10	73
ZZ09079		<20	0.03	<10	<10	25	<10	18
ZZ09080		<20	0.05	<10	<10	75	<10	157
ZZ09081		<20	0.05	<10	<10	76	<10	60
ZZ09082		<20	0.02	<10	<10	72	<10	68
ZZ09083		<20	0.02	<10	10	40	<10	80
ZZ09084		<20	0.03	<10	10	49	<10	100
ZZ09085		<20	0.06	<10	<10	59	<10	73
ZZ09086		<20	0.06	<10	<10	52	<10	47
ZZ09087		<20	0.04	<10	10	78	<10	53
ZZ09088		<20	0.06	<10	<10	51	<10	57
ZZ09089		<20	0.08	<10	<10	62	<10	62
ZZ09090		<20	0.06	<10	<10	57	<10	60
ZZ09091		<20	0.07	<10	<10	54	<10	60
ZZ09092		<20	0.04	<10	<10	60	<10	47
ZZ09093		<20	0.08	<10	<10	54	<10	67
ZZ09094		<20	0.12	<10	<10	66	<10	59
ZZ09095		<20	0.16	<10	<10	91	<10	75
ZZ09096		<20	0.16	<10	<10	93	<10	78
ZZ09097		<20	0.11	<10	<10	75	<10	77
ZZ09098		<20	0.07	<10	<10	77	<10	71
ZZ09099		<20	0.14	<10	<10	80	<10	74
ZZ09100		<20	0.14	<10	<10	80	<10	70
ZZ09101		<20	0.05	<10	<10	77	<10	88
ZZ09102		<20	0.04	<10	<10	111	<10	234
ZZ09103		<20	0.04	<10	<10	32	<10	44



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ09104		0.18	0.004	0.2	1.47	40	<10	290	<0.5	<2	0.53	<0.5	9	45	20	3.04
ZZ09105		0.24	0.021	0.2	1.86	6	<10	240	<0.5	<2	0.45	<0.5	7	57	24	2.02
ZZ09106		0.28	0.004	0.2	2.05	16	<10	230	0.7	<2	0.34	<0.5	15	61	39	3.73
ZZ09107		0.18	0.003	0.2	1.46	17	<10	270	0.6	<2	0.46	<0.5	23	58	24	4.04
ZZ09108		0.16	0.002	<0.2	1.47	4	<10	240	<0.5	<2	0.26	<0.5	5	37	12	2.11
ZZ09109		0.14	0.005	1.9	2.68	21	<10	440	0.8	<2	0.69	0.5	8	39	28	2.68
ZZ09110		0.38	0.003	<0.2	1.57	27	<10	150	0.7	<2	0.24	0.5	15	42	33	3.51
ZZ09111		0.24	0.003	0.3	1.70	19	<10	150	0.5	<2	0.18	0.7	10	35	22	3.19
ZZ09112		0.22	0.002	0.3	1.32	16	<10	290	<0.5	<2	0.20	<0.5	5	28	23	2.19
ZZ09113		0.12	0.001	1.0	1.69	20	<10	330	<0.5	<2	0.45	1.2	5	44	26	1.89
ZZ09114		0.30	0.007	0.5	2.53	23	<10	220	0.8	<2	0.25	<0.5	17	65	49	3.57
ZZ09115		0.24	0.003	0.2	1.89	12	<10	140	0.5	<2	0.15	<0.5	6	50	27	3.87
ZZ09116		0.22	0.003	0.4	1.77	11	<10	360	<0.5	<2	0.25	1.8	15	36	18	3.03
ZZ09117		0.22	0.002	0.4	2.13	23	<10	410	0.6	<2	0.26	1.3	14	49	26	3.51
ZZ09118		0.24	0.002	0.2	1.77	38	<10	500	0.5	<2	0.35	1.0	10	41	25	3.33
ZZ09119		0.24	0.006	0.3	1.86	14	<10	340	<0.5	<2	0.44	<0.5	10	50	29	2.60
ZZ09120		0.40	0.004	0.3	1.86	16	<10	340	0.8	<2	0.23	<0.5	17	58	31	3.81
ZZ09121		0.08	0.002	0.5	0.75	6	<10	90	<0.5	<2	0.10	<0.5	4	25	21	1.67
ZZ09122		0.24	0.002	<0.2	1.43	17	<10	250	0.5	<2	0.54	<0.5	14	89	21	3.41
ZZ09123		0.22	0.005	<0.2	1.39	15	<10	240	<0.5	<2	0.61	<0.5	14	81	20	3.05
ZZ09124		0.32	0.002	0.2	2.26	13	<10	320	<0.5	<2	0.49	<0.5	15	58	19	3.26
ZZ09125		0.50	0.006	<0.2	2.41	17	<10	390	0.6	<2	0.43	<0.5	16	64	28	3.60
ZZ09126		0.26	0.005	0.2	1.79	11	<10	360	<0.5	<2	0.38	<0.5	14	46	19	2.39
ZZ09127		0.14	0.004	0.2	1.41	9	<10	320	<0.5	<2	0.40	<0.5	9	36	10	1.84
ZZ09128		0.42	0.003	0.2	2.47	17	<10	340	0.5	<2	0.41	<0.5	12	58	24	3.31
ZZ09129		0.12	0.005	0.5	2.00	7	<10	600	<0.5	<2	0.48	1.0	9	53	30	2.03
ZZ09130		0.16	<0.001	0.2	2.20	17	<10	480	<0.5	<2	0.41	<0.5	15	45	15	3.22
ZZ09131		0.36	0.003	0.3	2.18	27	<10	440	<0.5	<2	0.46	<0.5	17	46	16	3.27
ZZ09132		0.38	0.002	<0.2	0.33	6	<10	150	<0.5	<2	0.16	<0.5	3	10	6	0.62
ZZ09133		0.20	0.004	0.2	1.92	20	<10	420	<0.5	<2	0.38	<0.5	8	38	22	2.26
ZZ09134		0.26	0.006	0.3	2.03	52	<10	400	0.5	<2	0.41	<0.5	15	41	23	5.19
ZZ09135		0.10	0.007	1.2	2.23	7	<10	290	0.7	<2	0.58	<0.5	14	38	21	2.05
ZZ09136		0.18	0.003	0.8	2.87	63	<10	730	1.1	<2	0.57	0.5	12	50	38	4.03
ZZ09137		0.16	0.002	0.4	0.91	9	<10	230	<0.5	<2	0.16	0.5	5	14	11	1.70
ZZ09138		0.16	0.001	0.8	1.86	26	<10	300	0.7	2	0.26	0.5	8	29	21	2.63
ZZ09139		0.10	0.002	0.2	0.54	2	<10	80	<0.5	<2	0.08	<0.5	2	13	8	0.81
ZZ09140		0.24	0.002	<0.2	1.05	9	<10	110	<0.5	<2	0.28	<0.5	7	26	12	2.05
ZZ09141		0.12	0.001	0.7	2.39	10	<10	300	1.2	2	0.62	<0.5	7	36	29	3.07
ZZ09142		0.22	0.001	0.2	2.21	14	<10	200	0.5	<2	0.16	<0.5	8	34	15	3.44
ZZ09143		0.20	0.002	<0.2	0.87	8	<10	140	0.5	<2	0.22	<0.5	6	19	7	1.85



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ09104		10	<1	0.10	10	0.57	306	3	0.02	24	790	12	0.06	2	4	36
ZZ09105		10	1	0.09	10	0.68	152	<1	0.03	32	770	16	0.06	<2	6	35
ZZ09106		10	<1	0.07	20	0.75	364	1	0.02	38	850	14	0.04	<2	6	28
ZZ09107		<10	<1	0.10	10	0.74	1090	1	0.02	45	1000	12	0.05	2	5	42
ZZ09108		10	<1	0.06	10	0.38	127	<1	0.02	15	620	7	0.05	<2	3	21
ZZ09109		10	<1	0.16	20	0.51	721	1	0.02	20	1250	15	0.13	2	6	64
ZZ09110		10	<1	0.15	20	0.50	801	1	0.02	36	770	28	0.03	<2	4	18
ZZ09111		10	1	0.09	10	0.39	396	1	0.02	23	340	17	0.03	<2	3	17
ZZ09112		10	<1	0.09	10	0.21	135	2	0.02	16	430	12	0.04	<2	3	22
ZZ09113		10	<1	0.11	10	0.38	115	1	0.02	29	1040	10	0.10	2	4	33
ZZ09114		10	1	0.16	20	0.70	413	3	0.02	43	820	13	0.02	3	8	18
ZZ09115		10	<1	0.23	10	0.49	211	1	0.02	22	480	11	0.07	2	4	17
ZZ09116		10	<1	0.09	10	0.42	527	1	0.02	20	450	12	0.03	2	3	22
ZZ09117		10	<1	0.15	10	0.59	1030	1	0.02	32	480	16	0.03	<2	4	22
ZZ09118		10	1	0.11	10	0.43	622	1	0.02	30	480	26	0.03	2	4	30
ZZ09119		10	<1	0.12	10	0.63	421	1	0.03	25	690	21	0.04	<2	5	32
ZZ09120		10	<1	0.20	10	0.64	544	1	0.02	40	850	11	0.05	<2	5	19
ZZ09121		<10	<1	0.08	10	0.13	103	1	0.02	16	560	6	0.05	<2	1	12
ZZ09122		10	<1	0.15	10	0.84	557	1	0.03	38	1270	11	0.03	3	5	52
ZZ09123		10	<1	0.12	20	0.87	516	1	0.03	38	1290	11	0.03	<2	5	60
ZZ09124		10	<1	0.13	10	0.77	755	<1	0.03	23	900	11	0.04	2	6	43
ZZ09125		10	<1	0.13	20	0.84	475	<1	0.03	29	920	14	0.02	3	7	33
ZZ09126		10	1	0.07	10	0.48	514	<1	0.02	24	680	13	0.07	<2	5	30
ZZ09127		<10	<1	0.06	10	0.42	317	<1	0.03	16	700	6	0.05	<2	4	26
ZZ09128		10	<1	0.10	20	0.70	427	<1	0.03	24	890	12	0.03	3	6	35
ZZ09129		10	1	0.07	10	0.48	777	<1	0.03	26	1460	10	0.15	2	5	39
ZZ09130		10	<1	0.09	10	0.60	576	<1	0.02	21	920	10	0.05	<2	5	33
ZZ09131		10	<1	0.11	10	0.56	929	1	0.02	21	900	11	0.05	<2	6	34
ZZ09132		<10	<1	0.03	<10	0.10	114	1	0.01	9	360	2	0.01	<2	1	10
ZZ09133		10	<1	0.09	10	0.51	197	1	0.01	19	690	10	0.05	<2	6	26
ZZ09134		10	<1	0.11	10	0.68	693	2	0.01	19	1050	9	0.04	<2	5	25
ZZ09135		10	<1	0.09	20	0.39	3150	1	0.01	20	1220	20	0.12	<2	6	48
ZZ09136		10	1	0.15	10	0.59	1260	3	0.01	29	910	30	0.06	2	6	47
ZZ09137		10	<1	0.06	10	0.10	908	1	0.01	8	290	10	0.02	<2	1	16
ZZ09138		10	1	0.09	10	0.30	672	3	0.01	16	370	17	0.02	<2	4	28
ZZ09139		<10	<1	0.03	10	0.07	98	<1	0.01	6	200	8	0.02	<2	1	12
ZZ09140		<10	<1	0.06	10	0.34	631	1	0.01	13	530	12	0.01	<2	3	20
ZZ09141		10	<1	0.12	20	0.42	867	1	0.01	20	1040	18	0.09	2	6	53
ZZ09142		10	<1	0.08	10	0.46	616	1	0.01	16	330	16	0.01	<2	3	17
ZZ09143		<10	<1	0.07	10	0.26	498	<1	0.01	9	340	14	0.01	<2	2	16



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10
ZZ09104		<20	0.08	<10	<10	83	<10
ZZ09105		<20	0.10	<10	<10	58	<10
ZZ09106		<20	0.09	<10	<10	79	<10
ZZ09107		<20	0.07	<10	<10	68	<10
ZZ09108		<20	0.07	<10	<10	39	<10
ZZ09109		<20	0.07	<10	<10	60	<10
ZZ09110		<20	0.09	<10	<10	66	<10
ZZ09111		<20	0.07	<10	<10	74	<10
ZZ09112		<20	0.07	<10	<10	67	<10
ZZ09113		<20	0.06	<10	<10	47	<10
ZZ09114		<20	0.12	<10	<10	112	<10
ZZ09115		<20	0.15	<10	<10	117	<10
ZZ09116		<20	0.07	<10	<10	88	<10
ZZ09117		<20	0.07	<10	<10	81	<10
ZZ09118		<20	0.05	<10	<10	80	<10
ZZ09119		<20	0.11	<10	<10	83	<10
ZZ09120		<20	0.09	<10	<10	81	<10
ZZ09121		<20	0.05	<10	<10	52	<10
ZZ09122		<20	0.11	<10	<10	99	<10
ZZ09123		<20	0.10	<10	<10	84	<10
ZZ09124		<20	0.13	<10	<10	86	<10
ZZ09125		<20	0.16	<10	<10	93	<10
ZZ09126		<20	0.08	<10	<10	51	<10
ZZ09127		<20	0.08	<10	<10	46	<10
ZZ09128		<20	0.13	<10	<10	87	<10
ZZ09129		<20	0.06	<10	<10	44	<10
ZZ09130		<20	0.12	<10	<10	78	<10
ZZ09131		<20	0.12	<10	<10	88	<10
ZZ09132		<20	0.02	<10	<10	14	<10
ZZ09133		<20	0.10	<10	<10	70	<10
ZZ09134		<20	0.13	<10	<10	104	<10
ZZ09135		<20	0.05	<10	<10	35	<10
ZZ09136		<20	0.05	<10	<10	77	<10
ZZ09137		<20	0.05	<10	<10	48	<10
ZZ09138		<20	0.04	<10	<10	52	<10
ZZ09139		<20	0.04	<10	<10	28	<10
ZZ09140		<20	0.06	<10	<10	43	<10
ZZ09141		<20	0.04	<10	10	51	<10
ZZ09142		<20	0.05	<10	<10	71	<10
ZZ09143		<20	0.05	<10	<10	34	<10



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ09144		0.16	0.002	<0.2	1.75	8	<10	130	0.6	<2	0.15	<0.5	9	29	14	2.71
ZZ09145		0.18	0.008	<0.2	2.26	12	<10	90	<0.5	<2	0.17	<0.5	8	37	14	4.08
ZZ09146		0.18	0.005	0.2	2.29	11	<10	120	0.5	<2	0.18	<0.5	9	38	14	3.84
ZZ09147		0.14	0.004	0.4	0.90	5	<10	140	<0.5	<2	0.22	<0.5	3	20	14	1.58
ZZ09148		0.28	0.009	<0.2	1.58	9	<10	130	<0.5	<2	0.24	<0.5	7	29	14	2.10
ZZ09149		0.26	0.008	0.2	1.64	9	<10	130	<0.5	2	0.22	<0.5	6	29	13	2.26
ZZ09150		0.18	0.002	0.2	1.28	11	<10	120	<0.5	<2	0.16	<0.5	6	28	9	2.79
ZZ09151		0.22	0.006	0.5	3.14	26	<10	450	0.7	<2	0.14	0.8	10	47	45	3.83
ZZ09152		0.24	0.005	0.3	1.35	29	<10	750	0.7	<2	0.33	<0.5	11	39	27	3.40
ZZ09153		0.42	0.004	0.2	1.77	25	<10	370	<0.5	2	0.22	<0.5	13	40	18	3.63
ZZ09154		0.22	0.002	1.3	1.86	18	<10	720	0.5	<2	0.23	1.6	14	36	26	3.57
ZZ09155		0.22	0.006	1.9	2.26	22	<10	1090	0.7	<2	0.44	1.2	14	45	42	3.17
ZZ09156		0.36	0.005	0.2	2.09	18	<10	350	0.8	<2	0.32	<0.5	12	41	18	3.49
ZZ09157		0.34	0.004	0.2	1.30	27	<10	110	0.6	2	0.18	<0.5	7	28	13	2.66
ZZ09158		0.26	0.004	0.7	2.78	24	<10	600	1.1	<2	0.55	<0.5	13	47	24	4.08
ZZ09159		0.34	0.004	0.6	2.15	17	<10	280	1.0	2	0.41	<0.5	8	38	22	3.31
ZZ09160		0.22	0.002	0.5	1.50	10	<10	160	<0.5	<2	0.15	0.9	5	23	20	2.41
ZZ09161		0.28	0.003	0.3	1.77	16	<10	150	<0.5	<2	0.27	<0.5	6	25	10	2.90
ZZ09162		0.24	0.002	0.3	1.46	11	<10	70	<0.5	<2	0.09	<0.5	4	20	10	3.08
ZZ09163		0.46	0.002	<0.2	1.17	10	<10	110	0.6	<2	0.32	<0.5	7	29	14	2.33
ZZ09164		0.32	0.006	0.3	3.06	12	<10	340	2.2	<2	0.27	<0.5	15	48	36	3.72
ZZ09165		0.20	0.006	<0.2	1.56	13	<10	100	0.9	<2	0.16	<0.5	10	28	12	2.64
ZZ09166		0.24	0.002	0.4	1.54	10	<10	160	0.6	<2	0.18	0.9	9	30	15	2.85
ZZ09167		0.44	0.005	0.3	2.02	11	<10	150	0.8	<2	0.27	<0.5	10	35	14	2.78
ZZ09168		0.32	0.006	<0.2	1.60	14	<10	120	<0.5	<2	0.18	<0.5	13	34	18	2.94
ZZ09169		0.26	0.004	<0.2	2.52	15	<10	120	0.7	2	0.21	0.5	13	40	17	3.43
ZZ09170		0.22	0.005	0.2	2.32	23	<10	100	0.5	2	0.15	<0.5	9	37	19	3.58
ZZ09171		0.14	0.001	0.3	2.19	22	<10	190	0.8	<2	0.28	0.8	11	63	89	3.84
ZZ09172		0.14	0.005	0.8	0.79	8	<10	140	<0.5	<2	0.13	0.8	4	20	27	1.48
ZZ09173		0.18	0.003	0.6	2.16	37	<10	440	0.9	2	0.26	0.7	20	46	34	3.92
ZZ09174		0.24	0.004	0.4	2.36	28	<10	310	0.7	<2	0.31	<0.5	14	52	24	3.57
ZZ09175		0.18	0.003	0.5	2.02	25	<10	270	0.6	<2	0.21	0.5	12	47	33	4.08
ZZ09176		0.14	0.005	0.5	2.10	52	<10	520	0.6	<2	0.28	<0.5	19	48	22	4.09
ZZ09177		0.18	0.004	0.2	1.98	38	<10	180	1.0	<2	0.19	<0.5	16	39	28	4.00
ZZ09178		0.20	0.004	0.2	2.00	20	<10	220	0.7	<2	0.36	<0.5	12	39	23	3.37
ZZ09179		0.16	0.002	1.1	1.41	18	<10	100	0.5	2	0.09	<0.5	7	25	19	2.55
ZZ09180		0.18	0.005	<0.2	3.08	13	<10	140	0.6	<2	0.18	<0.5	11	48	21	4.07
ZZ09181		0.18	0.003	0.2	1.82	12	<10	130	0.5	<2	0.16	<0.5	7	29	18	3.65
ZZ09182		0.32	0.004	<0.2	1.75	5	<10	150	0.5	<2	0.27	<0.5	9	32	13	2.42
ZZ09183		0.22	0.004	<0.2	1.77	13	<10	160	0.7	<2	0.22	<0.5	9	33	21	3.18



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ09144		<10	<1	0.07	10	0.41	696	<1	0.01	17	290	18	0.01	<2	3	14
ZZ09145		10	<1	0.05	10	0.50	329	1	0.01	17	270	13	0.01	3	4	17
ZZ09146		10	<1	0.07	10	0.50	370	1	0.01	20	270	15	0.01	<2	4	17
ZZ09147		<10	<1	0.06	10	0.16	129	1	0.01	10	580	7	0.05	<2	1	22
ZZ09148		<10	<1	0.06	10	0.46	150	<1	0.01	14	530	12	0.01	<2	4	17
ZZ09149		<10	<1	0.06	10	0.43	135	<1	0.01	15	570	13	0.02	<2	3	16
ZZ09150		10	<1	0.05	10	0.26	740	1	0.01	10	780	16	0.05	<2	3	15
ZZ09151		10	<1	0.10	10	0.45	256	2	0.01	30	470	14	0.03	<2	5	23
ZZ09152		<10	<1	0.11	20	0.39	590	2	0.01	34	800	23	0.04	<2	3	36
ZZ09153		10	<1	0.11	10	0.53	418	1	0.01	24	460	18	0.01	<2	4	22
ZZ09154		10	<1	0.13	10	0.41	1055	1	0.01	22	410	37	0.02	<2	4	28
ZZ09155		10	1	0.14	20	0.43	1020	1	0.01	33	1080	13	0.07	<2	6	41
ZZ09156		10	<1	0.12	20	0.59	658	1	0.01	23	460	13	0.01	<2	5	30
ZZ09157		<10	<1	0.07	10	0.36	536	4	0.01	16	370	14	0.01	<2	3	18
ZZ09158		10	1	0.17	40	0.58	931	2	0.01	27	1060	16	0.06	<2	8	49
ZZ09159		10	<1	0.13	20	0.45	632	4	0.01	22	650	22	0.03	<2	6	39
ZZ09160		10	<1	0.09	10	0.24	410	6	0.01	15	350	17	0.02	<2	2	18
ZZ09161		10	<1	0.10	10	0.34	560	2	0.01	12	310	50	0.02	2	2	23
ZZ09162		10	<1	0.05	10	0.16	411	2	<0.01	9	290	15	0.02	<2	2	10
ZZ09163		<10	<1	0.06	10	0.42	507	<1	0.01	16	520	10	0.01	<2	4	23
ZZ09164		10	<1	0.08	60	0.55	1310	1	0.01	27	880	25	0.03	<2	9	28
ZZ09165		<10	1	0.06	10	0.32	722	1	0.01	19	430	21	0.01	<2	3	13
ZZ09166		10	<1	0.06	10	0.32	666	1	0.01	15	460	29	0.03	<2	2	17
ZZ09167		<10	<1	0.07	10	0.48	557	<1	0.01	19	440	27	0.01	2	3	20
ZZ09168		10	<1	0.07	10	0.44	1250	1	0.01	22	430	15	0.01	<2	3	17
ZZ09169		10	<1	0.05	10	0.43	509	<1	0.01	28	590	15	0.02	<2	4	16
ZZ09170		10	<1	0.04	10	0.42	288	1	0.01	18	340	19	0.02	<2	3	15
ZZ09171		10	<1	0.31	20	0.77	346	2	0.01	49	1010	10	0.07	2	6	22
ZZ09172		<10	<1	0.05	10	0.07	116	1	0.01	15	510	7	0.03	<2	1	16
ZZ09173		10	<1	0.16	20	0.51	1750	2	0.01	34	1050	19	0.05	2	5	25
ZZ09174		10	<1	0.19	20	0.72	528	1	0.01	27	640	18	0.02	<2	6	22
ZZ09175		10	<1	0.12	10	0.49	468	2	0.01	37	600	10	0.05	3	5	20
ZZ09176		10	1	0.10	10	0.53	1560	2	0.01	32	780	12	0.02	<2	5	26
ZZ09177		10	<1	0.11	20	0.44	933	2	0.01	34	700	12	0.04	<2	5	18
ZZ09178		10	<1	0.08	20	0.56	440	1	0.01	26	780	12	0.01	<2	6	24
ZZ09179		10	<1	0.08	10	0.26	349	1	0.01	18	300	14	0.02	2	3	12
ZZ09180		10	<1	0.07	10	0.58	395	2	0.01	24	280	12	0.01	<2	6	19
ZZ09181		10	<1	0.04	10	0.26	366	2	0.01	16	320	18	0.02	<2	3	18
ZZ09182		<10	<1	0.06	10	0.50	319	<1	0.01	17	560	18	0.01	<2	4	20
ZZ09183		10	<1	0.06	20	0.43	421	1	0.01	17	700	16	0.02	2	5	18



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ09144		<20	0.05	<10	<10	48	<10	47
ZZ09145		<20	0.10	<10	<10	82	<10	48
ZZ09146		<20	0.09	<10	<10	68	<10	50
ZZ09147		<20	0.04	<10	<10	40	<10	34
ZZ09148		<20	0.07	<10	<10	48	<10	58
ZZ09149		<20	0.06	<10	<10	53	<10	54
ZZ09150		<20	0.05	<10	<10	53	<10	40
ZZ09151		<20	0.07	<10	<10	84	<10	78
ZZ09152		<20	0.06	<10	<10	68	<10	99
ZZ09153		<20	0.08	<10	<10	79	<10	85
ZZ09154		<20	0.07	<10	<10	82	<10	97
ZZ09155		<20	0.04	<10	<10	62	<10	96
ZZ09156		<20	0.08	<10	<10	65	<10	72
ZZ09157		<20	0.07	<10	<10	53	<10	56
ZZ09158		<20	0.05	<10	<10	69	<10	101
ZZ09159		<20	0.04	<10	<10	59	<10	86
ZZ09160		<20	0.07	<10	<10	67	<10	66
ZZ09161		<20	0.04	<10	<10	62	<10	76
ZZ09162		<20	0.07	<10	<10	90	<10	46
ZZ09163		<20	0.09	<10	<10	53	<10	50
ZZ09164		<20	0.06	<10	10	71	<10	68
ZZ09165		<20	0.06	<10	<10	48	<10	67
ZZ09166		<20	0.06	<10	<10	58	<10	70
ZZ09167		<20	0.09	<10	<10	58	<10	58
ZZ09168		<20	0.10	<10	<10	67	<10	68
ZZ09169		<20	0.10	<10	<10	79	<10	58
ZZ09170		<20	0.11	<10	<10	94	<10	83
ZZ09171		<20	0.14	<10	<10	93	<10	182
ZZ09172		<20	0.04	<10	<10	43	<10	38
ZZ09173		<20	0.05	<10	<10	68	<10	125
ZZ09174		<20	0.12	<10	<10	68	<10	88
ZZ09175		<20	0.05	<10	<10	87	<10	94
ZZ09176		<20	0.07	<10	<10	82	<10	88
ZZ09177		<20	0.05	<10	<10	67	<10	88
ZZ09178		<20	0.09	<10	<10	65	<10	68
ZZ09179		<20	0.06	<10	<10	63	<10	52
ZZ09180		<20	0.11	<10	<10	80	<10	66
ZZ09181		<20	0.07	<10	<10	84	<10	64
ZZ09182		<20	0.08	<10	<10	57	<10	77
ZZ09183		<20	0.07	<10	<10	63	<10	62



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Project: LLL

CERTIFICATE OF ANALYSIS WH11133145

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ09184		0.20	0.007	0.3	1.60	9	<10	140	<0.5	<2	0.25	<0.5	7	31	13	2.78
ZZ09185		0.24	0.003	0.2	1.54	10	<10	120	<0.5	<2	0.22	<0.5	6	29	9	2.08
ZZ09186		0.22	0.009	1.1	1.28	53	<10	190	<0.5	2	0.19	<0.5	7	26	10	2.16
ZZ09187		0.16	0.277	3.1	1.20	28	<10	110	<0.5	3	0.22	<0.5	12	29	127	2.94
ZZ09188		0.14	0.072	1.0	1.50	14	<10	180	<0.5	<2	0.27	<0.5	8	33	95	2.42
ZZ09189		0.12	0.002	0.2	2.11	42	<10	120	0.5	2	0.17	0.5	12	35	20	3.55
ZZ09190		0.22	0.002	0.6	2.68	53	<10	180	0.7	3	0.24	<0.5	8	39	23	3.51
ZZ09191		0.14	0.012	0.5	1.54	20	<10	280	0.7	<2	0.81	0.8	11	36	36	2.75
ZZ09192		0.18	0.065	3.8	1.87	25	<10	380	0.9	<2	0.29	1.8	10	39	101	2.13
ZZ09193		0.24	0.003	<0.2	1.98	10	<10	150	0.5	<2	0.21	<0.5	9	35	17	2.58
ZZ09194		0.22	0.004	0.3	1.99	13	<10	160	0.7	<2	0.23	<0.5	21	40	17	4.46
ZZ09195		0.20	0.003	0.2	2.86	13	<10	140	0.8	<2	0.19	<0.5	15	41	16	3.68
ZZ09196		0.24	0.003	<0.2	2.01	7	<10	130	0.9	<2	0.26	<0.5	9	34	15	2.81
ZZ09197		0.20	0.003	<0.2	2.28	11	<10	100	0.6	<2	0.15	<0.5	7	32	15	3.56
ZZ09198		0.22	0.004	<0.2	2.35	9	<10	140	1.3	<2	0.15	<0.5	11	39	28	2.98
ZZ09199		0.26	0.003	0.2	1.94	11	<10	170	0.6	<2	0.33	<0.5	10	42	17	3.16
ZZ09200		0.18	<0.001	<0.2	1.06	7	<10	50	<0.5	<2	0.16	<0.5	5	26	11	2.59
ZZ09201		0.16	0.002	0.3	1.29	12	<10	80	0.6	<2	0.16	<0.5	7	28	15	2.62
ZZ09202		0.16	0.003	0.3	0.86	3	<10	200	<0.5	<2	0.12	1.3	6	21	27	1.47
ZZ09203		0.16	0.002	0.3	0.98	6	<10	200	<0.5	<2	0.18	0.8	5	18	21	1.64
ZZ09204		0.16	0.003	0.8	2.77	15	<10	290	1.2	2	0.17	0.5	13	46	35	3.82
ZZ09205		0.16	0.005	1.0	1.35	28	<10	470	<0.5	<2	0.39	<0.5	5	31	22	2.27
ZZ09206		0.16	0.004	0.4	1.77	24	<10	610	0.5	2	0.31	1.1	10	49	31	3.26
ZZ09207		0.22	0.006	1.6	1.85	43	<10	750	0.5	<2	0.27	1.6	8	35	70	2.30
ZZ09208		0.22	0.002	0.3	2.13	30	<10	340	0.6	<2	0.24	0.6	16	51	34	3.94
ZZ09209		0.18	0.020	0.2	2.60	27	<10	200	0.6	<2	0.18	0.5	13	51	30	4.47
ZZ09210		0.22	0.004	0.3	1.79	14	<10	320	0.6	<2	0.37	<0.5	9	50	20	3.67
ZZ09211		0.14	0.007	0.4	2.08	73	<10	320	0.7	<2	0.36	0.7	9	72	30	4.45
ZZ09212		0.20	0.002	0.3	1.59	22	<10	290	<0.5	<2	0.37	<0.5	11	49	16	2.56
ZZ09213		0.24	0.005	0.6	1.91	34	<10	270	<0.5	<2	0.32	<0.5	6	54	29	3.18
ZZ09214		0.24	0.004	0.4	1.67	23	<10	450	0.6	<2	0.38	0.6	12	64	51	3.71
ZZ09215		0.20	0.002	0.5	1.66	39	<10	540	0.5	<2	0.31	1.1	11	45	32	3.48
ZZ09216		0.14	0.003	0.4	1.39	24	<10	290	<0.5	<2	0.22	1.1	6	36	19	2.95
ZZ09217		0.14	0.002	0.4	2.09	39	<10	1160	0.5	2	0.22	3.0	9	52	35	4.57
ZZ09218		0.18	0.004	0.3	1.67	26	<10	280	<0.5	<2	0.15	0.9	6	32	22	3.36
ZZ09219		0.14	0.003	0.3	1.77	32	<10	610	0.6	2	0.30	0.9	11	49	37	3.50
ZZ09220		0.18	0.004	0.4	2.00	36	<10	490	0.5	<2	0.48	0.8	13	56	36	4.25



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CERTIFICATE OF ANALYSIS WH11133145

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ09184		10	<1	0.06	10	0.42	319	1	0.01	15	710	14	0.09	<2	3	20
ZZ09185		10	1	0.05	10	0.43	154	<1	0.01	14	430	15	0.03	<2	3	18
ZZ09186		10	<1	0.10	10	0.34	343	1	0.01	12	540	51	0.04	2	2	20
ZZ09187		<10	<1	0.12	10	0.43	1130	2	0.02	17	600	21	0.13	3	3	17
ZZ09188		10	<1	0.07	10	0.47	375	1	0.01	16	670	12	0.05	2	3	23
ZZ09189		10	<1	0.08	10	0.49	668	1	0.01	20	420	19	0.02	<2	4	18
ZZ09190		10	<1	0.08	10	0.53	379	1	0.01	18	320	19	0.01	<2	4	22
ZZ09191		<10	<1	0.09	20	0.63	382	1	0.02	32	960	13	0.11	<2	4	80
ZZ09192		10	1	0.08	20	0.54	177	<1	0.01	22	790	100	0.07	3	4	24
ZZ09193		10	<1	0.05	10	0.49	154	<1	0.01	18	500	10	0.02	<2	4	16
ZZ09194		10	<1	0.06	10	0.47	1645	1	0.01	21	590	16	0.10	<2	4	21
ZZ09195		10	<1	0.06	10	0.47	741	1	0.01	24	380	16	0.02	2	4	18
ZZ09196		10	<1	0.06	10	0.47	587	<1	0.01	18	360	21	0.01	2	4	22
ZZ09197		10	<1	0.05	10	0.33	400	1	0.01	14	390	16	0.02	<2	3	15
ZZ09198		10	<1	0.07	20	0.48	1140	1	0.01	22	260	21	<0.01	<2	8	17
ZZ09199		10	1	0.09	10	0.58	964	19	0.01	20	480	23	0.02	<2	4	29
ZZ09200		<10	<1	0.04	10	0.30	347	4	0.02	15	310	17	0.01	<2	2	12
ZZ09201		<10	<1	0.07	10	0.28	472	5	0.01	17	300	18	0.01	<2	3	16
ZZ09202		<10	<1	0.04	10	0.07	803	1	0.01	19	600	5	0.03	<2	<1	15
ZZ09203		10	<1	0.07	10	0.09	482	1	0.01	12	440	10	0.03	<2	1	17
ZZ09204		10	<1	0.10	30	0.46	1445	3	0.03	33	510	25	0.02	<2	5	18
ZZ09205		10	<1	0.08	10	0.26	291	2	0.03	20	660	11	0.04	<2	3	36
ZZ09206		10	<1	0.18	10	0.53	563	2	0.03	33	740	12	0.03	<2	4	30
ZZ09207		<10	1	0.07	20	0.43	184	2	0.03	43	1100	16	0.07	<2	4	27
ZZ09208		10	1	0.20	10	0.65	874	2	0.03	37	710	11	0.04	<2	5	21
ZZ09209		10	<1	0.16	10	0.66	437	2	0.02	32	380	14	0.03	<2	6	18
ZZ09210		10	<1	0.15	10	0.75	234	1	0.03	31	780	10	0.02	<2	5	24
ZZ09211		10	1	0.09	20	0.85	212	3	0.03	44	1040	17	0.09	<2	6	27
ZZ09212		10	1	0.10	10	0.53	469	2	0.03	24	700	18	0.03	<2	4	26
ZZ09213		10	1	0.15	10	0.56	145	2	0.02	27	750	14	0.05	<2	5	25
ZZ09214		10	<1	0.27	10	0.84	446	2	0.04	53	940	10	0.08	<2	7	38
ZZ09215		10	1	0.18	10	0.47	417	3	0.03	34	550	12	0.06	<2	4	33
ZZ09216		10	<1	0.07	10	0.28	276	3	0.02	22	570	17	0.03	<2	2	20
ZZ09217		10	1	0.11	10	0.49	740	4	0.04	29	1150	23	0.07	<2	4	27
ZZ09218		10	<1	0.05	10	0.23	289	2	0.02	21	630	14	0.07	<2	2	20
ZZ09219		10	1	0.11	10	0.50	382	2	0.03	40	640	19	0.05	<2	4	34
ZZ09220		10	<1	0.17	10	0.60	625	2	0.03	38	700	18	0.06	<2	5	47



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CERTIFICATE OF ANALYSIS WH11133145

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ09184		<20	0.06	<10	<10	57	<10	62
ZZ09185		<20	0.06	<10	<10	50	<10	56
ZZ09186		<20	0.04	<10	<10	45	<10	78
ZZ09187		<20	0.08	<10	<10	52	<10	70
ZZ09188		<20	0.08	<10	<10	56	<10	72
ZZ09189		<20	0.08	<10	<10	72	<10	65
ZZ09190		<20	0.07	<10	<10	90	<10	67
ZZ09191		<20	0.06	<10	40	48	<10	144
ZZ09192		<20	0.08	<10	<10	61	<10	134
ZZ09193		<20	0.07	<10	<10	59	<10	60
ZZ09194		<20	0.07	<10	<10	63	<10	69
ZZ09195		<20	0.09	<10	<10	66	<10	62
ZZ09196		<20	0.08	<10	<10	55	<10	66
ZZ09197		<20	0.08	<10	<10	76	<10	63
ZZ09198		<20	0.08	<10	<10	58	<10	60
ZZ09199		<20	0.08	<10	<10	62	<10	81
ZZ09200		<20	0.08	<10	<10	49	<10	43
ZZ09201		<20	0.06	<10	<10	50	<10	52
ZZ09202		<20	0.02	<10	<10	39	<10	40
ZZ09203		<20	0.06	<10	<10	54	<10	40
ZZ09204		<20	0.04	<10	<10	77	<10	105
ZZ09205		<20	0.05	<10	<10	61	<10	56
ZZ09206		<20	0.07	<10	<10	70	<10	108
ZZ09207		<20	0.06	<10	<10	53	<10	124
ZZ09208		<20	0.12	<10	<10	83	<10	123
ZZ09209		<20	0.12	<10	<10	102	<10	97
ZZ09210		<20	0.11	<10	<10	75	<10	94
ZZ09211		<20	0.08	<10	<10	142	<10	101
ZZ09212		<20	0.07	<10	<10	68	<10	101
ZZ09213		<20	0.08	<10	<10	84	<10	93
ZZ09214		<20	0.14	<10	<10	106	<10	168
ZZ09215		<20	0.07	<10	<10	93	<10	133
ZZ09216		<20	0.06	<10	<10	95	<10	99
ZZ09217		<20	0.06	<10	<10	130	<10	183
ZZ09218		<20	0.06	<10	<10	96	<10	71
ZZ09219		<20	0.08	<10	<10	80	<10	87
ZZ09220		<20	0.10	<10	<10	112	<10	109



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Project: LLL

P.O. No.:

This report is for 199 Soil samples submitted to our lab in Whitehorse, YT, Canada on 14-JUL- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
ATTN: JOAN MARIACHER
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS WH11133144

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ22302		0.24	0.004	<0.2	1.33	13	<10	90	<0.5	<2	0.27	<0.5	7	26	14	2.50
ZZ22303		0.28	0.012	0.3	1.63	6	<10	170	<0.5	<2	0.35	<0.5	7	31	30	1.90
ZZ22304		0.20	0.010	0.3	1.38	13	<10	190	<0.5	<2	0.29	<0.5	7	26	20	2.30
ZZ22305		0.18	0.021	0.4	2.29	11	<10	140	0.8	<2	0.24	<0.5	11	34	25	3.30
ZZ22306		0.16	0.016	0.5	1.53	22	<10	60	<0.5	<2	0.10	<0.5	7	25	22	2.99
ZZ22307		0.24	0.005	<0.2	1.48	11	<10	100	0.7	<2	0.36	<0.5	10	33	19	2.98
ZZ22308		0.14	0.015	0.3	1.92	18	<10	130	0.9	<2	0.20	0.5	10	32	17	3.12
ZZ22309		0.18	0.003	<0.2	2.17	8	<10	80	0.8	<2	0.21	<0.5	11	34	21	2.77
ZZ22310		0.24	0.003	<0.2	1.99	7	<10	50	0.5	<2	0.20	<0.5	13	32	16	2.72
ZZ22311		0.22	0.004	<0.2	1.91	9	<10	100	0.6	<2	0.16	<0.5	9	29	17	3.05
ZZ22312		0.22	0.004	<0.2	2.25	11	<10	110	1.0	<2	0.22	<0.5	10	33	21	3.30
ZZ22313		0.18	0.009	<0.2	1.07	10	<10	40	<0.5	<2	0.11	<0.5	6	20	10	2.64
ZZ22314		0.16	0.005	0.2	1.30	7	<10	30	<0.5	<2	0.18	<0.5	7	25	10	2.79
ZZ22315		0.22	0.003	<0.2	1.92	10	<10	70	<0.5	<2	0.16	<0.5	8	31	14	3.84
ZZ22316		0.20	0.001	<0.2	1.22	7	<10	40	0.5	<2	0.10	<0.5	5	15	6	2.18
ZZ22317		0.20	0.003	<0.2	1.88	14	<10	80	0.5	<2	0.16	0.5	9	26	12	3.12
ZZ22318		0.20	0.014	1.2	2.70	19	<10	250	1.0	<2	0.57	<0.5	8	37	29	3.53
ZZ22319		0.26	0.005	0.4	2.92	31	<10	270	0.7	<2	0.56	<0.5	9	47	19	3.81
ZZ22320		0.24	0.003	<0.2	1.61	3	<10	150	<0.5	<2	0.38	<0.5	9	27	8	2.06
ZZ22321		0.12	0.015	<0.2	1.26	41	<10	250	<0.5	<2	0.36	0.6	17	25	11	3.08
ZZ22322		0.26	0.004	<0.2	2.20	30	<10	330	<0.5	<2	0.40	<0.5	9	38	16	2.90
ZZ22323		0.18	0.008	<0.2	2.01	18	<10	180	<0.5	<2	0.40	<0.5	9	31	12	2.66
ZZ22324		0.12	0.005	0.3	2.51	33	<10	390	<0.5	<2	0.56	<0.5	24	42	24	5.31
ZZ22325		0.22	0.005	0.4	1.89	30	<10	1630	0.7	<2	0.43	1.1	21	40	49	4.88
ZZ22326		0.24	0.002	<0.2	1.00	8	<10	390	<0.5	<2	0.08	<0.5	3	23	15	1.55
ZZ22327		0.24	0.005	0.4	1.80	20	<10	480	<0.5	<2	0.13	<0.5	9	44	24	3.97
ZZ22328		0.26	0.012	0.9	2.73	121	<10	1080	0.7	<2	0.65	0.5	17	56	44	4.63
ZZ22329		0.12	0.006	0.3	1.83	45	<10	1240	<0.5	<2	0.48	<0.5	10	39	20	5.16
ZZ22330		0.38	0.010	<0.2	1.96	10	<10	300	0.5	<2	0.32	<0.5	12	47	40	2.87
ZZ22331		0.32	0.004	0.2	2.02	11	<10	230	0.6	<2	0.29	<0.5	13	47	33	3.47
ZZ22332		0.26	0.006	0.5	2.28	17	<10	350	0.7	<2	0.27	0.8	14	43	57	3.67
ZZ22333		0.12	0.006	<0.2	1.68	19	<10	190	<0.5	<2	0.33	<0.5	8	33	12	3.34
ZZ22334		0.10	0.005	<0.2	1.71	12	<10	350	<0.5	<2	0.36	<0.5	10	34	12	3.51
ZZ22335		0.26	0.004	<0.2	1.36	5	<10	140	<0.5	<2	0.37	<0.5	6	31	11	1.87
ZZ22336		0.16	0.003	<0.2	1.79	13	<10	240	0.5	<2	0.79	<0.5	13	81	23	3.14
ZZ22337		0.18	0.006	<0.2	1.89	11	<10	280	<0.5	<2	0.52	<0.5	10	80	19	2.78
ZZ22338		0.28	0.004	<0.2	2.07	18	<10	460	0.5	<2	0.32	<0.5	10	52	28	3.45
ZZ22339		0.22	0.002	0.2	1.95	17	<10	410	0.5	<2	0.26	<0.5	12	47	21	4.08
ZZ22340		0.36	0.003	<0.2	1.56	14	<10	410	<0.5	<2	0.29	<0.5	20	39	18	3.01
ZZ22341		0.20	0.003	0.2	1.49	19	<10	140	<0.5	<2	0.37	<0.5	9	27	10	2.22



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ22302		<10	1	0.06	10	0.36	282	2	<0.01	16	610	16	0.01	2	3	19
ZZ22303		10	<1	0.06	10	0.47	158	1	0.01	15	650	19	0.04	<2	4	24
ZZ22304		<10	<1	0.08	10	0.41	178	2	0.01	14	610	20	0.03	3	3	23
ZZ22305		10	<1	0.08	10	0.47	649	2	0.02	19	750	19	0.03	2	4	19
ZZ22306		10	1	0.07	10	0.25	413	2	0.01	10	580	20	0.04	<2	2	13
ZZ22307		<10	<1	0.07	10	0.49	723	2	0.01	20	910	25	0.01	<2	4	21
ZZ22308		10	<1	0.10	10	0.41	1170	2	0.01	18	660	33	0.04	2	3	18
ZZ22309		<10	<1	0.06	10	0.48	651	1	0.01	23	420	12	0.01	<2	4	15
ZZ22310		<10	<1	0.06	10	0.44	653	1	<0.01	17	440	13	0.01	<2	4	14
ZZ22311		10	<1	0.09	10	0.43	584	2	0.01	20	300	14	0.01	<2	4	14
ZZ22312		10	<1	0.10	10	0.43	953	2	0.01	18	730	21	0.02	<2	5	18
ZZ22313		10	1	0.06	10	0.23	701	2	<0.01	10	340	29	0.01	2	3	11
ZZ22314		10	<1	0.08	10	0.37	633	2	0.01	11	260	16	0.02	<2	3	15
ZZ22315		10	1	0.07	10	0.42	390	2	0.01	15	310	17	0.02	<2	4	14
ZZ22316		<10	1	0.05	10	0.15	770	5	0.01	8	210	20	0.01	<2	2	10
ZZ22317		10	<1	0.09	10	0.39	676	3	0.01	12	350	27	0.01	2	3	15
ZZ22318		10	1	0.17	20	0.49	701	4	0.01	19	1150	26	0.09	<2	7	55
ZZ22319		10	1	0.15	10	0.68	607	3	0.01	20	780	30	0.05	3	7	46
ZZ22320		<10	1	0.08	10	0.53	629	2	0.01	13	590	17	0.01	2	4	26
ZZ22321		<10	<1	0.05	10	0.33	2760	6	0.01	12	870	23	0.04	<2	3	26
ZZ22322		10	1	0.11	10	0.68	294	2	0.02	18	720	13	0.03	<2	5	28
ZZ22323		10	<1	0.13	10	0.60	283	2	0.02	14	870	9	0.03	2	5	23
ZZ22324		10	1	0.14	10	0.67	1930	5	0.02	20	1150	11	0.09	2	6	45
ZZ22325		10	1	0.28	10	0.60	689	3	0.03	45	1650	17	0.17	3	6	45
ZZ22326		10	1	0.04	10	0.11	65	2	0.01	8	710	10	0.02	2	2	13
ZZ22327		10	<1	0.11	10	0.44	325	3	0.01	24	420	11	0.03	<2	4	19
ZZ22328		10	<1	0.27	10	0.68	559	5	0.01	39	730	12	0.07	3	7	55
ZZ22329		10	1	0.13	10	0.53	223	3	0.02	22	1170	7	0.08	<2	5	37
ZZ22330		10	<1	0.09	10	0.61	197	1	0.01	28	650	9	<0.01	<2	7	21
ZZ22331		10	<1	0.10	10	0.60	591	2	0.01	27	770	10	0.02	2	6	19
ZZ22332		10	<1	0.11	20	0.65	314	3	0.01	40	930	10	0.02	<2	7	26
ZZ22333		10	1	0.07	10	0.50	161	2	0.01	19	680	6	0.03	2	4	24
ZZ22334		<10	<1	0.07	10	0.50	324	2	0.02	20	770	6	0.07	<2	4	26
ZZ22335		<10	<1	0.05	10	0.46	135	1	0.02	17	750	7	0.02	<2	4	22
ZZ22336		10	<1	0.09	20	1.01	563	2	0.03	36	1150	17	0.05	2	5	93
ZZ22337		10	<1	0.08	10	0.99	356	2	0.02	35	980	13	0.05	<2	5	58
ZZ22338		<10	<1	0.11	10	0.50	298	1	0.02	24	690	13	0.02	<2	8	27
ZZ22339		<10	<1	0.11	10	0.42	379	1	0.01	17	900	12	0.03	<2	7	22
ZZ22340		<10	<1	0.09	10	0.38	761	1	0.01	16	730	10	0.02	<2	6	24
ZZ22341		<10	<1	0.08	10	0.47	967	1	0.02	12	660	21	0.02	<2	4	27



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ22302		<20	0.06	<10	<10	50	<10	47
ZZ22303		<20	0.07	<10	<10	52	<10	58
ZZ22304		<20	0.06	<10	<10	46	<10	55
ZZ22305		<20	0.06	<10	<10	60	<10	64
ZZ22306		<20	0.03	<10	<10	63	<10	39
ZZ22307		<20	0.10	<10	<10	69	<10	62
ZZ22308		<20	0.04	<10	<10	57	<10	90
ZZ22309		<20	0.09	<10	<10	59	<10	49
ZZ22310		<20	0.09	<10	<10	56	<10	37
ZZ22311		<20	0.08	<10	<10	60	<10	48
ZZ22312		<20	0.04	<10	<10	57	<10	54
ZZ22313		<20	0.07	<10	<10	59	<10	48
ZZ22314		<20	0.09	<10	<10	58	<10	42
ZZ22315		<20	0.09	<10	<10	83	<10	51
ZZ22316		<20	0.03	<10	<10	34	<10	33
ZZ22317		<20	0.05	<10	<10	63	<10	72
ZZ22318		<20	0.04	<10	10	59	<10	96
ZZ22319		<20	0.08	<10	<10	77	<10	96
ZZ22320		<20	0.11	<10	<10	50	<10	57
ZZ22321		<20	0.05	<10	<10	59	<10	74
ZZ22322		<20	0.14	<10	<10	90	<10	84
ZZ22323		<20	0.14	<10	<10	72	<10	63
ZZ22324		<20	0.13	<10	<10	113	<10	84
ZZ22325		<20	0.13	<10	<10	95	<10	225
ZZ22326		<20	0.07	<10	<10	57	<10	20
ZZ22327		<20	0.13	<10	<10	132	<10	62
ZZ22328		<20	0.06	<10	<10	115	<10	124
ZZ22329		<20	0.11	<10	<10	99	<10	71
ZZ22330		<20	0.10	<10	<10	80	<10	87
ZZ22331		<20	0.08	<10	<10	85	<10	93
ZZ22332		<20	0.11	<10	<10	80	<10	117
ZZ22333		<20	0.09	<10	<10	77	<10	66
ZZ22334		<20	0.08	<10	<10	65	<10	67
ZZ22335		<20	0.09	<10	<10	49	<10	50
ZZ22336		<20	0.10	<10	<10	72	<10	66
ZZ22337		<20	0.12	<10	<10	61	<10	79
ZZ22338		<20	0.06	<10	<10	80	<10	79
ZZ22339		<20	0.04	<10	<10	75	<10	64
ZZ22340		<20	0.03	<10	<10	63	<10	57
ZZ22341		<20	0.10	<10	<10	56	<10	69



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ22342		0.40	0.004	<0.2	1.92	21	<10	200	0.5	<2	0.35	<0.5	10	30	12	2.86
ZZ22343		0.42	0.004	<0.2	1.37	13	<10	70	<0.5	<2	0.17	<0.5	5	25	10	1.83
ZZ22344		0.48	0.004	<0.2	1.01	17	<10	90	0.6	<2	0.20	<0.5	4	22	13	1.88
ZZ22345		0.38	0.010	0.2	2.54	19	<10	210	1.0	<2	0.41	<0.5	9	44	25	3.57
ZZ22346		0.28	0.003	<0.2	1.03	24	<10	270	<0.5	<2	0.21	<0.5	4	23	15	2.46
ZZ22347		0.20	0.003	0.2	2.74	16	<10	80	0.7	<2	0.18	<0.5	9	33	16	3.10
ZZ22348		0.20	0.002	<0.2	0.89	11	<10	60	<0.5	<2	0.09	<0.5	2	11	6	1.47
ZZ22349		0.10	0.003	0.6	2.35	15	<10	210	1.0	<2	0.57	<0.5	7	37	25	2.90
ZZ22350		0.42	0.006	0.2	2.15	17	<10	180	0.7	<2	0.35	<0.5	9	38	23	3.28
ZZ22351		0.20	0.003	0.4	1.79	9	<10	150	0.7	<2	0.36	<0.5	8	28	21	2.72
ZZ22352		0.42	0.003	<0.2	1.38	11	<10	110	0.6	<2	0.29	<0.5	7	32	18	2.29
ZZ22353		0.24	0.003	<0.2	2.10	16	<10	140	0.9	<2	0.18	<0.5	9	31	18	3.01
ZZ22354		0.20	0.003	<0.2	0.91	6	<10	80	<0.5	<2	0.09	<0.5	3	15	16	1.68
ZZ22355		0.26	0.002	<0.2	0.72	8	<10	90	0.5	2	0.12	<0.5	4	12	8	1.41
ZZ22356		0.54	0.003	<0.2	1.62	13	<10	110	<0.5	<2	0.22	<0.5	10	27	10	2.47
ZZ22357		0.24	0.003	<0.2	0.95	17	<10	50	<0.5	<2	0.08	<0.5	7	18	6	2.04
ZZ22358		0.34	0.004	0.2	1.61	16	<10	100	<0.5	<2	0.20	<0.5	8	28	10	2.30
ZZ22359		0.24	0.009	<0.2	1.91	16	<10	110	<0.5	<2	0.20	<0.5	10	33	14	2.57
ZZ22360		0.14	0.007	<0.2	1.84	25	<10	170	0.8	<2	0.14	<0.5	60	37	17	4.83
ZZ22361		0.20	0.005	0.4	1.90	21	<10	180	0.8	2	0.19	<0.5	43	41	20	4.40
ZZ22362		0.34	0.007	0.2	1.51	20	<10	150	<0.5	<2	0.22	<0.5	20	27	13	3.53
ZZ22363		0.28	0.007	0.2	1.72	14	<10	110	<0.5	<2	0.25	<0.5	8	32	14	2.15
ZZ22364		0.32	0.004	<0.2	1.55	25	<10	90	<0.5	<2	0.25	<0.5	6	26	16	2.39
ZZ22365		0.46	0.005	<0.2	1.77	21	<10	120	<0.5	<2	0.17	<0.5	21	30	8	2.92
ZZ22366		0.16	0.013	0.3	0.75	87	<10	60	0.5	<2	0.08	<0.5	7	14	25	2.15
ZZ22367		0.22	0.005	0.2	1.76	19	<10	80	<0.5	<2	0.20	<0.5	6	28	15	3.26
ZZ22368		0.42	0.005	<0.2	1.79	16	<10	160	0.7	<2	0.34	<0.5	12	31	14	2.99
ZZ22369		0.36	0.005	<0.2	1.59	19	<10	80	0.8	<2	0.19	<0.5	9	26	14	2.81
ZZ22370		0.36	0.004	<0.2	2.27	11	<10	70	0.6	<2	0.16	<0.5	10	32	17	2.96
ZZ22371		0.18	0.003	<0.2	3.11	13	<10	90	0.7	<2	0.13	<0.5	8	43	23	3.79
ZZ22372		0.24	0.004	<0.2	1.88	16	<10	100	<0.5	<2	0.09	<0.5	10	32	19	3.70
ZZ22373		0.16	0.003	0.6	3.31	18	<10	190	1.1	<2	0.30	0.7	10	45	23	4.01
ZZ22374		0.24	0.003	<0.2	1.56	9	<10	50	<0.5	<2	0.05	<0.5	4	17	14	1.97
ZZ22375		0.32	0.002	<0.2	1.99	15	<10	90	<0.5	<2	0.07	<0.5	5	24	12	3.12
ZZ22376		0.32	0.002	0.2	2.64	18	<10	70	<0.5	2	0.09	<0.5	9	34	18	4.43
ZZ22377		0.32	0.004	<0.2	2.99	15	<10	110	0.8	<2	0.16	<0.5	15	46	26	3.63
ZZ22378		0.30	0.004	<0.2	0.92	16	<10	60	<0.5	<2	0.06	<0.5	3	17	11	1.59
ZZ22379		0.30	0.008	<0.2	2.02	14	<10	130	<0.5	<2	0.18	0.5	7	29	17	3.63
ZZ22380		0.12	0.005	1.4	2.65	34	<10	410	0.9	<2	0.67	0.7	30	34	23	3.67
ZZ22381		0.32	0.003	<0.2	2.01	15	<10	150	<0.5	<2	0.34	<0.5	10	32	14	2.65



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ22342		10	<1	0.13	10	0.49	1100	1	0.01	13	520	23	0.02	<2	5	29
ZZ22343		<10	<1	0.07	10	0.32	179	1	0.01	11	210	27	0.01	<2	3	18
ZZ22344		<10	<1	0.07	20	0.28	682	1	0.01	11	230	28	<0.01	<2	4	21
ZZ22345		10	1	0.15	20	0.55	870	2	0.02	21	670	19	0.04	<2	6	36
ZZ22346		10	<1	0.10	10	0.28	311	2	0.01	11	390	10	0.03	2	3	22
ZZ22347		10	<1	0.08	10	0.39	427	1	0.02	17	260	18	0.02	<2	4	20
ZZ22348		10	<1	0.04	10	0.10	189	1	0.01	5	170	10	0.01	<2	1	13
ZZ22349		<10	<1	0.12	20	0.41	843	1	0.02	19	1190	15	0.12	<2	6	57
ZZ22350		10	<1	0.12	10	0.53	724	1	0.02	19	530	18	0.03	<2	4	33
ZZ22351		10	<1	0.11	10	0.38	553	1	0.02	15	380	17	0.03	<2	4	35
ZZ22352		<10	<1	0.07	10	0.44	453	1	0.02	18	410	17	0.01	<2	5	25
ZZ22353		<10	<1	0.08	20	0.44	605	1	0.01	20	360	19	0.01	<2	4	18
ZZ22354		10	<1	0.03	10	0.07	126	1	0.01	7	290	14	0.02	<2	1	15
ZZ22355		<10	<1	0.08	20	0.18	358	1	0.01	7	180	20	0.01	<2	2	17
ZZ22356		<10	<1	0.06	10	0.43	746	1	0.02	14	500	19	0.02	<2	3	19
ZZ22357		10	<1	0.06	10	0.20	1020	1	0.02	7	350	15	0.02	<2	2	13
ZZ22358		<10	<1	0.07	10	0.44	296	1	0.02	15	500	18	0.02	<2	3	19
ZZ22359		10	<1	0.07	10	0.48	375	1	0.02	17	570	20	0.02	2	4	20
ZZ22360		<10	<1	0.05	10	0.31	8090	2	0.02	12	1140	22	0.08	<2	4	17
ZZ22361		<10	<1	0.06	10	0.31	5420	2	0.02	13	1350	18	0.09	<2	4	23
ZZ22362		<10	<1	0.06	10	0.40	1805	1	0.02	11	760	17	0.03	<2	3	19
ZZ22363		10	<1	0.07	10	0.46	446	<1	0.02	15	670	21	0.03	<2	3	21
ZZ22364		<10	<1	0.07	10	0.42	167	1	0.02	14	480	14	0.02	<2	3	21
ZZ22365		10	<1	0.07	10	0.48	1705	1	0.02	16	440	20	0.03	<2	3	19
ZZ22366		<10	<1	0.07	10	0.13	657	4	0.01	8	490	25	0.04	4	1	14
ZZ22367		10	<1	0.06	10	0.28	405	1	0.02	13	460	16	0.05	<2	2	19
ZZ22368		<10	<1	0.08	10	0.50	1230	1	0.02	18	620	25	0.03	<2	4	26
ZZ22369		<10	<1	0.07	10	0.34	1110	2	0.02	18	520	23	0.05	2	2	19
ZZ22370		<10	<1	0.08	10	0.45	685	<1	0.02	20	340	15	0.02	<2	4	16
ZZ22371		10	<1	0.10	10	0.52	415	1	0.02	23	360	20	0.02	<2	5	15
ZZ22372		10	<1	0.12	10	0.46	771	1	0.02	17	340	16	0.01	<2	4	14
ZZ22373		10	<1	0.15	10	0.50	730	<1	0.02	23	460	25	0.03	<2	6	31
ZZ22374		10	<1	0.04	10	0.14	220	1	0.01	11	140	15	0.01	2	2	11
ZZ22375		10	<1	0.05	10	0.23	253	1	0.02	11	180	16	0.01	<2	3	14
ZZ22376		10	<1	0.08	10	0.32	532	2	0.02	15	280	21	0.01	<2	4	14
ZZ22377		10	<1	0.11	10	0.66	897	1	0.02	31	290	15	0.02	<2	6	19
ZZ22378		10	<1	0.05	10	0.10	179	1	0.01	6	270	14	0.01	<2	1	14
ZZ22379		10	<1	0.11	10	0.37	362	2	0.02	15	320	18	0.02	<2	4	22
ZZ22380		10	<1	0.13	20	0.37	5080	4	0.02	20	1340	25	0.11	<2	7	63
ZZ22381		<10	<1	0.09	10	0.56	1115	1	0.02	15	520	19	0.02	<2	5	26



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ22342		<20	0.09	<10	<10	62	<10	82
ZZ22343		<20	0.07	<10	<10	39	<10	47
ZZ22344		<20	0.06	<10	10	34	<10	44
ZZ22345		<20	0.07	<10	10	67	<10	78
ZZ22346		<20	0.10	<10	<10	79	<10	50
ZZ22347		<20	0.05	<10	<10	65	<10	45
ZZ22348		<20	0.05	<10	<10	53	<10	19
ZZ22349		<20	0.05	<10	10	52	<10	73
ZZ22350		<20	0.07	<10	<10	66	<10	79
ZZ22351		<20	0.08	<10	<10	60	<10	56
ZZ22352		<20	0.09	<10	10	51	<10	53
ZZ22353		<20	0.07	<10	<10	57	<10	63
ZZ22354		<20	0.07	<10	<10	69	<10	38
ZZ22355		<20	0.03	<10	<10	23	<10	31
ZZ22356		<20	0.06	<10	<10	52	<10	59
ZZ22357		<20	0.07	<10	<10	64	<10	38
ZZ22358		<20	0.06	<10	<10	47	<10	60
ZZ22359		<20	0.07	<10	<10	48	<10	69
ZZ22360		<20	0.05	<10	10	66	<10	52
ZZ22361		<20	0.05	<10	10	62	<10	57
ZZ22362		<20	0.06	<10	<10	57	<10	53
ZZ22363		<20	0.06	<10	<10	46	<10	72
ZZ22364		<20	0.07	<10	<10	48	<10	57
ZZ22365		<20	0.06	<10	<10	59	<10	77
ZZ22366		<20	0.03	<10	10	32	<10	46
ZZ22367		<20	0.07	<10	<10	75	<10	52
ZZ22368		<20	0.07	<10	10	57	<10	73
ZZ22369		<20	0.07	<10	<10	53	<10	63
ZZ22370		<20	0.08	<10	<10	61	<10	58
ZZ22371		<20	0.08	<10	<10	69	<10	75
ZZ22372		<20	0.10	<10	<10	82	<10	78
ZZ22373		<20	0.04	<10	<10	74	<10	86
ZZ22374		<20	0.06	<10	<10	54	<10	34
ZZ22375		<20	0.09	<10	<10	95	<10	45
ZZ22376		<20	0.06	<10	<10	102	<10	64
ZZ22377		<20	0.11	<10	<10	73	<10	71
ZZ22378		<20	0.09	<10	<10	65	<10	28
ZZ22379		<20	0.07	<10	<10	82	<10	68
ZZ22380		<20	0.05	<10	10	58	<10	99
ZZ22381		<20	0.12	<10	<10	65	<10	72



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ22382		0.30	0.004	0.2	1.80	30	<10	260	<0.5	<2	0.38	<0.5	8	33	16	2.78
ZZ22383		0.18	0.005	<0.2	2.06	13	<10	200	<0.5	<2	0.27	<0.5	10	49	28	2.29
ZZ22384		0.22	0.003	0.2	2.01	22	<10	330	0.6	<2	0.61	0.5	17	87	32	3.53
ZZ22385		0.52	0.004	<0.2	1.93	42	<10	190	<0.5	<2	0.56	<0.5	10	46	11	3.08
ZZ22386		0.14	0.003	<0.2	1.89	41	<10	180	<0.5	<2	0.43	<0.5	7	45	18	2.51
ZZ22387		0.16	0.003	<0.2	1.44	26	<10	210	<0.5	<2	0.54	<0.5	11	42	21	2.91
ZZ22388		0.46	0.004	<0.2	2.17	19	<10	200	0.5	<2	0.49	<0.5	11	56	23	2.66
ZZ22389		0.36	0.004	0.2	2.07	102	<10	240	0.6	<2	0.49	<0.5	12	57	29	4.27
ZZ22390		0.34	0.004	0.2	2.01	41	<10	270	0.5	<2	0.49	<0.5	9	52	20	3.16
ZZ22391		0.20	0.006	0.4	1.97	48	<10	500	0.9	<2	1.21	<0.5	12	57	48	3.55
ZZ22392		0.28	0.006	0.4	1.59	55	<10	430	0.8	<2	1.26	<0.5	9	48	40	2.97
ZZ22393		0.20	0.015	0.9	1.46	45	<10	330	0.7	<2	0.54	1.3	10	42	32	3.10
ZZ22394		0.16	0.005	0.9	1.57	28	<10	420	0.5	<2	0.51	0.7	9	39	34	2.65
ZZ22395		0.34	0.010	<0.2	2.41	32	<10	300	0.5	<2	0.57	<0.5	14	76	48	3.76
ZZ22396		0.22	0.003	<0.2	1.87	20	<10	140	<0.5	<2	0.20	<0.5	7	43	19	3.30
ZZ22397		0.26	0.004	<0.2	2.41	33	<10	220	0.6	<2	0.31	<0.5	17	56	37	3.53
ZZ22398		0.28	0.004	<0.2	2.62	23	<10	240	0.6	<2	0.38	<0.5	18	62	42	3.55
ZZ22399		0.34	0.004	0.3	2.08	28	<10	60	<0.5	<2	0.08	<0.5	7	35	19	4.07
ZZ22400		0.16	0.004	0.3	0.88	52	<10	70	<0.5	<2	0.07	<0.5	4	20	14	1.90
ZZ22401		0.38	0.003	<0.2	2.31	45	<10	280	0.6	<2	0.48	<0.5	11	32	19	3.48
ZZ22402		0.30	0.003	0.2	2.12	21	<10	220	<0.5	<2	0.42	<0.5	12	31	14	3.36
ZZ22403		0.34	0.002	<0.2	2.22	36	<10	220	0.5	<2	0.47	<0.5	13	35	19	3.75
ZZ22404		0.38	0.004	0.3	2.89	57	<10	370	0.6	<2	0.60	<0.5	15	45	32	3.89
ZZ22405		0.52	0.004	<0.2	2.05	38	<10	350	0.5	<2	0.45	<0.5	11	34	20	3.28
ZZ22406		0.28	0.010	0.4	2.43	44	<10	480	0.6	<2	0.48	<0.5	11	42	27	2.99
ZZ22407		0.30	0.003	0.3	1.86	53	<10	400	0.5	<2	0.47	0.6	12	54	42	3.53
ZZ22408		0.14	0.008	0.3	0.77	11	<10	140	<0.5	<2	0.13	0.5	5	25	20	1.73
ZZ22409		0.20	0.004	0.3	1.25	20	<10	140	<0.5	<2	0.21	0.5	7	33	20	2.75
ZZ22410		0.16	0.007	1.0	2.13	41	<10	410	0.8	<2	0.48	<0.5	15	31	29	3.14
ZZ22411		0.18	0.021	0.9	2.52	132	<10	520	0.7	<2	0.65	<0.5	13	60	45	3.50
ZZ22412		0.20	0.006	0.5	0.97	43	<10	270	<0.5	<2	0.25	1.1	8	31	38	2.44
ZZ22413		0.30	0.010	1.1	2.41	119	<10	580	0.9	<2	0.27	<0.5	12	95	45	3.76
ZZ22414		0.22	0.007	0.3	1.11	105	<10	90	<0.5	<2	0.10	<0.5	6	26	19	2.27
ZZ22415		0.36	0.002	0.3	1.59	24	<10	270	<0.5	<2	0.31	<0.5	11	56	24	3.30
ZZ22416		0.32	0.006	0.2	1.68	70	<10	350	0.7	<2	0.58	<0.5	13	57	41	3.92
ZZ22417		0.48	0.005	0.2	1.90	67	<10	460	0.7	<2	0.78	<0.5	17	67	37	3.99
ZZ22418		0.36	0.006	0.3	2.42	56	<10	700	0.7	<2	0.67	<0.5	17	81	52	4.51
ZZ22419		0.34	0.010	<0.2	1.54	81	<10	210	0.5	<2	0.40	<0.5	8	43	25	4.49
ZZ22420		0.20	0.004	<0.2	1.85	38	<10	200	<0.5	<2	0.43	<0.5	10	50	19	2.99
ZZ22421		0.18	0.004	<0.2	1.97	26	<10	220	<0.5	<2	0.39	<0.5	9	52	19	2.75



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ22382		10	<1	0.06	10	0.38	479	3	0.02	15	970	35	0.06	<2	4	33
ZZ22383		10	<1	0.08	10	0.54	211	<1	0.02	24	620	12	0.02	2	6	22
ZZ22384		10	<1	0.11	20	0.87	675	1	0.03	43	750	19	0.04	<2	5	80
ZZ22385		10	<1	0.09	10	0.66	467	1	0.02	22	840	11	0.03	<2	6	44
ZZ22386		10	<1	0.08	10	0.58	179	<1	0.02	20	620	10	0.05	<2	5	30
ZZ22387		<10	<1	0.11	10	0.54	538	<1	0.03	21	840	7	0.05	2	5	36
ZZ22388		10	<1	0.13	10	0.76	198	1	0.02	28	710	9	0.04	<2	7	31
ZZ22389		10	<1	0.17	20	0.73	252	1	0.03	29	790	10	0.02	<2	8	31
ZZ22390		10	<1	0.16	10	0.69	184	1	0.02	26	660	14	0.04	<2	7	33
ZZ22391		10	1	0.21	30	0.75	636	2	0.03	40	870	12	0.07	4	9	84
ZZ22392		10	1	0.12	30	0.66	490	2	0.03	34	930	11	0.11	2	6	92
ZZ22393		10	1	0.17	30	0.47	481	2	0.02	31	840	15	0.05	<2	4	42
ZZ22394		10	<1	0.15	20	0.45	845	2	0.03	27	700	12	0.04	2	4	37
ZZ22395		10	<1	0.17	10	1.03	345	1	0.03	44	560	6	0.04	<2	8	30
ZZ22396		10	<1	0.10	10	0.51	245	1	0.02	20	410	9	0.04	<2	4	20
ZZ22397		10	<1	0.23	10	0.80	489	1	0.03	43	690	9	0.03	<2	6	24
ZZ22398		10	<1	0.28	10	0.95	501	1	0.03	49	800	8	0.02	<2	7	25
ZZ22399		10	<1	0.06	10	0.41	328	2	0.02	18	280	15	0.02	<2	4	14
ZZ22400		10	<1	0.05	10	0.14	135	1	0.02	11	490	8	0.05	<2	2	15
ZZ22401		10	<1	0.08	10	0.65	618	1	0.02	17	790	25	0.04	2	6	34
ZZ22402		10	<1	0.14	10	0.66	563	1	0.02	15	620	12	0.02	<2	6	32
ZZ22403		10	<1	0.13	10	0.65	507	3	0.02	19	540	37	0.04	<2	7	37
ZZ22404		10	<1	0.16	10	0.76	795	8	0.02	28	1130	12	0.08	<2	7	49
ZZ22405		10	<1	0.18	10	0.66	517	2	0.02	17	860	21	0.03	<2	7	33
ZZ22406		10	<1	0.22	20	0.68	279	1	0.02	22	860	17	0.06	<2	10	32
ZZ22407		10	<1	0.13	10	0.66	498	2	0.02	41	1190	9	0.09	<2	5	40
ZZ22408		<10	<1	0.06	10	0.16	144	1	0.02	18	440	5	0.04	<2	2	18
ZZ22409		10	<1	0.11	10	0.35	185	1	0.02	19	320	9	0.03	<2	3	24
ZZ22410		10	1	0.14	10	0.38	1075	2	0.01	23	820	12	0.05	2	7	43
ZZ22411		10	1	0.14	20	0.73	540	2	0.02	50	1140	9	0.10	3	8	45
ZZ22412		10	<1	0.18	10	0.33	381	4	0.01	23	540	7	0.03	<2	3	24
ZZ22413		10	1	0.15	10	0.57	573	3	0.01	64	660	11	0.03	2	6	29
ZZ22414		10	<1	0.09	10	0.23	292	3	<0.01	15	490	9	0.01	2	3	11
ZZ22415		10	<1	0.12	10	0.46	539	2	0.02	29	230	5	0.02	<2	5	26
ZZ22416		10	<1	0.19	10	0.71	549	2	0.02	45	790	5	0.05	<2	9	43
ZZ22417		10	<1	0.22	10	0.88	423	1	0.04	38	890	4	0.07	<2	10	55
ZZ22418		10	1	0.23	20	0.93	282	2	0.04	43	850	6	0.06	<2	12	49
ZZ22419		<10	1	0.11	10	0.53	172	3	0.02	19	630	8	0.03	2	6	28
ZZ22420		10	<1	0.10	10	0.61	526	2	0.02	21	640	7	0.07	<2	5	30
ZZ22421		10	<1	0.09	10	0.65	216	1	0.01	22	440	8	0.05	<2	6	29



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ22382		<20	0.06	<10	<10	57	<10	90
ZZ22383		<20	0.08	<10	<10	63	<10	89
ZZ22384		<20	0.11	<10	<10	87	<10	98
ZZ22385		<20	0.11	<10	<10	81	<10	73
ZZ22386		<20	0.09	<10	<10	72	<10	55
ZZ22387		<20	0.08	<10	<10	64	<10	53
ZZ22388		<20	0.13	<10	<10	91	<10	71
ZZ22389		<20	0.11	<10	<10	106	<10	86
ZZ22390		<20	0.10	<10	<10	92	<10	83
ZZ22391		<20	0.08	<10	<10	88	<10	91
ZZ22392		<20	0.07	<10	<10	71	<10	74
ZZ22393		<20	0.07	<10	<10	70	<10	82
ZZ22394		<20	0.07	<10	<10	65	<10	65
ZZ22395		<20	0.15	<10	<10	107	<10	77
ZZ22396		<20	0.13	<10	<10	95	<10	49
ZZ22397		<20	0.16	<10	<10	106	<10	93
ZZ22398		<20	0.19	<10	<10	109	<10	86
ZZ22399		<20	0.13	<10	<10	107	<10	57
ZZ22400		<20	0.05	<10	<10	60	<10	39
ZZ22401		<20	0.07	<10	<10	82	<10	81
ZZ22402		<20	0.13	<10	<10	83	<10	78
ZZ22403		<20	0.11	<10	<10	87	<10	88
ZZ22404		<20	0.12	<10	<10	104	<10	107
ZZ22405		<20	0.14	<10	<10	93	<10	91
ZZ22406		<20	0.13	<10	<10	101	<10	95
ZZ22407		<20	0.09	<10	<10	106	<10	118
ZZ22408		<20	0.06	<10	<10	64	<10	40
ZZ22409		<20	0.14	<10	<10	93	<10	46
ZZ22410		<20	0.02	<10	<10	63	<10	47
ZZ22411		<20	0.06	<10	<10	83	<10	67
ZZ22412		<20	0.09	<10	<10	88	<10	76
ZZ22413		<20	0.04	<10	<10	88	<10	77
ZZ22414		<20	0.05	<10	<10	61	<10	41
ZZ22415		<20	0.11	<10	<10	119	<10	65
ZZ22416		<20	0.10	<10	<10	95	<10	119
ZZ22417		<20	0.13	<10	<10	119	<10	116
ZZ22418		<20	0.15	<10	<10	146	<10	120
ZZ22419		<20	0.07	<10	<10	90	<10	73
ZZ22420		<20	0.09	<10	<10	90	<10	59
ZZ22421		<20	0.11	<10	<10	83	<10	69



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CERTIFICATE OF ANALYSIS WH11133144

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
ZZ22422		0.18	0.005	0.2	1.84	18	<10	210	<0.5	<2	0.37	<0.5	9	46	20	2.28
ZZ22423		0.22	0.006	<0.2	1.61	15	<10	160	<0.5	<2	0.55	<0.5	14	73	17	3.05
ZZ22424		0.16	0.003	<0.2	1.60	2	<10	160	<0.5	<2	0.27	<0.5	6	40	15	1.63
ZZ22425		0.28	0.006	0.2	1.96	21	<10	250	0.5	<2	0.46	<0.5	12	38	31	3.47
ZZ22426		0.30	0.004	0.3	2.00	40	<10	240	<0.5	<2	0.40	<0.5	12	36	22	3.41
ZZ22427		0.32	0.003	<0.2	1.93	43	<10	240	<0.5	<2	0.45	<0.5	12	40	19	3.46
ZZ22428		0.18	0.004	<0.2	2.09	15	<10	330	<0.5	<2	0.55	<0.5	8	37	21	2.76
ZZ22429		0.16	0.004	<0.2	1.38	32	<10	210	<0.5	<2	0.49	<0.5	10	28	14	2.71
ZZ22430		0.20	0.004	0.4	1.80	30	<10	380	<0.5	<2	0.60	<0.5	13	36	17	2.86
ZZ22431		0.24	0.003	<0.2	1.76	22	<10	300	<0.5	<2	0.38	<0.5	15	48	20	2.98
ZZ22432		0.18	0.003	0.3	2.16	15	<10	250	<0.5	<2	0.31	<0.5	9	52	28	2.55
ZZ22433		0.22	0.004	<0.2	1.83	21	<10	270	<0.5	<2	0.31	<0.5	10	45	19	2.83
ZZ22434		0.18	0.002	0.4	3.21	79	<10	250	0.6	<2	0.18	<0.5	15	63	34	4.43
ZZ22435		0.14	0.002	<0.2	1.62	60	<10	340	<0.5	<2	0.63	<0.5	17	44	21	3.34
ZZ22436		0.28	0.003	0.2	1.87	37	<10	260	0.5	<2	0.36	<0.5	11	53	29	2.79
ZZ22437		0.22	0.008	0.2	1.50	58	<10	390	<0.5	<2	0.63	<0.5	16	40	29	3.42
ZZ22438		0.22	<0.001	<0.2	1.65	122	<10	340	0.5	<2	0.55	<0.5	47	47	20	7.27
ZZ22439		0.28	0.004	0.2	2.05	32	<10	320	0.6	<2	0.40	<0.5	11	56	32	2.72
ZZ22440		0.16	0.006	0.2	2.04	24	<10	300	<0.5	<2	0.59	<0.5	12	57	25	2.93
ZZ22441		0.28	<0.001	0.2	1.72	15	<10	240	<0.5	<2	0.45	<0.5	9	64	13	2.87
ZZ22442		0.26	<0.001	<0.2	1.49	30	<10	290	<0.5	<2	0.49	<0.5	16	71	16	3.63
ZZ22443		0.22	0.006	0.2	2.13	24	<10	250	0.6	<2	0.71	<0.5	16	95	31	3.70
ZZ22444		0.28	0.003	<0.2	1.76	18	<10	440	<0.5	<2	0.45	<0.5	14	49	27	3.10
ZZ22445		0.40	0.002	<0.2	1.90	28	<10	530	0.5	<2	0.35	<0.5	15	49	36	3.34
ZZ22446		0.14	0.004	0.4	0.96	51	<10	740	<0.5	<2	0.35	0.6	9	29	36	2.69
ZZ22447		0.18	0.001	<0.2	2.36	18	<10	180	0.5	<2	0.17	<0.5	13	44	31	3.89
ZZ22448		0.24	0.001	0.2	1.45	32	<10	220	<0.5	<2	0.14	<0.5	9	33	28	3.68
ZZ22449		0.16	0.001	0.3	1.55	32	<10	640	0.5	<2	0.36	0.7	14	41	56	4.11
ZZ22450		0.16	0.007	0.3	1.73	19	<10	500	<0.5	<2	0.60	<0.5	8	44	26	1.99
ZZ22451		0.34	0.004	0.2	2.00	14	<10	620	0.7	<2	0.38	<0.5	9	46	29	3.78
ZZ22452		0.14	0.001	0.6	1.66	11	<10	720	<0.5	<2	0.29	0.9	7	37	36	2.80
ZZ22453		0.46	0.003	<0.2	1.61	10	<10	390	0.5	<2	0.33	<0.5	10	39	35	3.14
ZZ22454		0.16	0.007	0.3	2.15	9	<10	100	<0.5	<2	0.13	<0.5	8	38	19	3.36
ZZ22455		0.14	0.005	<0.2	1.39	14	<10	350	0.5	<2	0.29	<0.5	8	41	28	3.54
ZZ22456		0.16	0.001	<0.2	1.72	123	<10	220	<0.5	<2	0.34	<0.5	14	49	28	3.39
ZZ22457		0.12	0.006	0.6	1.48	28	<10	680	<0.5	<2	0.33	<0.5	4	35	30	1.75
ZZ22458		0.18	0.003	0.2	2.25	26	<10	420	<0.5	<2	0.17	<0.5	9	41	35	3.71
ZZ22459		0.12	<0.001	<0.2	1.84	25	<10	1680	0.5	<2	0.24	<0.5	9	34	27	3.70
ZZ22460		0.14	0.003	<0.2	2.78	13	<10	510	0.7	<2	0.21	<0.5	16	42	28	3.38
ZZ22461		0.16	0.003	<0.2	1.87	56	<10	390	<0.5	<2	0.59	<0.5	28	36	16	4.83



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CERTIFICATE OF ANALYSIS WH11133144

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ22422		10	1	0.09	10	0.54	322	1	0.01	21	540	9	0.06	<2	6	29
ZZ22423		<10	1	0.17	10	0.90	520	2	0.02	32	1090	17	0.04	2	4	59
ZZ22424		10	<1	0.06	10	0.43	119	1	0.01	17	550	9	0.03	<2	4	20
ZZ22425		10	<1	0.19	20	0.75	488	3	0.02	21	940	10	0.01	<2	9	27
ZZ22426		10	<1	0.17	10	0.73	281	4	0.01	18	870	11	0.02	2	7	24
ZZ22427		10	<1	0.16	10	0.72	454	2	0.02	19	900	9	0.02	2	6	27
ZZ22428		10	<1	0.12	10	0.62	294	2	0.02	20	800	10	0.05	<2	6	41
ZZ22429		<10	<1	0.12	10	0.50	352	2	0.02	14	1050	9	0.02	<2	4	27
ZZ22430		10	1	0.10	10	0.55	1275	3	0.02	16	1110	9	0.06	<2	6	42
ZZ22431		10	<1	0.13	10	0.62	1020	2	0.02	24	960	5	0.02	2	5	22
ZZ22432		10	<1	0.11	10	0.66	233	1	0.01	27	750	7	0.03	<2	6	20
ZZ22433		10	<1	0.10	10	0.56	631	2	0.01	23	900	7	0.04	<2	5	23
ZZ22434		10	1	0.13	10	0.71	517	2	0.01	33	400	10	0.03	<2	8	18
ZZ22435		10	<1	0.09	10	0.55	1610	2	0.02	23	940	8	0.05	2	6	38
ZZ22436		10	<1	0.11	10	0.61	339	2	0.02	25	610	9	0.03	3	8	23
ZZ22437		<10	<1	0.08	10	0.42	569	2	0.02	24	1280	8	0.10	3	6	48
ZZ22438		10	<1	0.10	10	0.52	2570	3	0.02	22	1020	8	0.05	2	6	40
ZZ22439		10	<1	0.14	10	0.69	260	2	0.02	30	580	10	0.03	2	8	27
ZZ22440		10	1	0.16	10	0.79	405	2	0.02	27	710	9	0.09	2	6	40
ZZ22441		10	<1	0.09	10	0.62	280	1	0.02	22	930	7	0.06	<2	5	30
ZZ22442		10	<1	0.11	10	0.79	2340	2	0.02	31	1070	6	0.03	<2	5	35
ZZ22443		10	1	0.11	20	1.16	536	2	0.04	44	1200	20	0.07	2	6	86
ZZ22444		10	1	0.08	10	0.63	485	1	0.03	28	980	8	0.02	<2	6	30
ZZ22445		10	<1	0.08	10	0.61	353	1	0.02	28	850	10	0.01	2	7	23
ZZ22446		<10	1	0.09	10	0.25	337	2	0.02	38	1070	13	0.07	4	2	30
ZZ22447		10	1	0.11	10	0.52	481	1	0.02	32	480	10	0.02	2	6	15
ZZ22448		10	<1	0.14	10	0.31	390	2	0.01	27	290	10	0.02	3	4	16
ZZ22449		10	<1	0.17	10	0.51	524	3	0.02	58	600	25	0.03	4	5	28
ZZ22450		10	<1	0.11	10	0.52	309	1	0.02	20	580	10	0.13	2	6	43
ZZ22451		10	<1	0.16	20	0.59	585	<1	0.01	23	740	13	0.02	2	8	28
ZZ22452		10	<1	0.18	10	0.38	293	<1	0.02	28	600	8	0.03	2	4	29
ZZ22453		<10	<1	0.09	10	0.49	199	<1	0.02	25	570	10	0.01	2	6	23
ZZ22454		10	<1	0.08	10	0.36	248	<1	0.01	18	330	10	0.02	2	4	13
ZZ22455		<10	<1	0.14	10	0.46	282	<1	0.01	19	780	7	0.04	2	5	21
ZZ22456		10	<1	0.12	10	0.58	569	<1	0.02	28	670	9	0.02	2	5	20
ZZ22457		<10	<1	0.09	10	0.30	92	2	0.02	17	810	14	0.07	7	4	37
ZZ22458		10	<1	0.08	10	0.40	375	2	0.01	24	530	10	0.03	3	5	24
ZZ22459		10	1	0.19	10	0.37	236	1	0.02	21	820	8	0.06	2	4	31
ZZ22460		10	<1	0.09	10	0.60	355	<1	0.02	29	700	6	0.02	2	5	17
ZZ22461		10	<1	0.08	10	0.51	2880	3	0.02	16	1190	9	0.07	<2	6	46



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CERTIFICATE OF ANALYSIS WH11133144

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ22422		<20	0.08	<10	<10	71	<10	60
ZZ22423		<20	0.11	<10	<10	74	<10	66
ZZ22424		<20	0.07	<10	<10	41	<10	52
ZZ22425		<20	0.17	<10	<10	93	<10	77
ZZ22426		<20	0.15	<10	<10	93	<10	76
ZZ22427		<20	0.17	<10	<10	98	<10	78
ZZ22428		<20	0.14	<10	<10	80	<10	63
ZZ22429		<20	0.11	<10	<10	95	<10	58
ZZ22430		<20	0.09	<10	<10	76	<10	83
ZZ22431		<20	0.12	<10	<10	85	<10	71
ZZ22432		<20	0.11	<10	<10	81	<10	71
ZZ22433		<20	0.09	<10	<10	80	<10	75
ZZ22434		<20	0.10	<10	<10	110	<10	66
ZZ22435		<20	0.06	<10	<10	78	<10	64
ZZ22436		<20	0.10	<10	<10	85	<10	78
ZZ22437		<20	0.04	<10	<10	67	<10	51
ZZ22438		<20	0.07	<10	<10	88	<10	76
ZZ22439		<20	0.11	<10	<10	93	<10	95
ZZ22440		<20	0.13	<10	<10	85	<10	83
ZZ22441		<20	0.09	<10	<10	67	<10	56
ZZ22442		<20	0.11	<10	<10	86	<10	74
ZZ22443		<20	0.12	<10	<10	84	<10	77
ZZ22444		<20	0.11	<10	<10	74	<10	73
ZZ22445		<20	0.11	<10	<10	84	<10	77
ZZ22446		<20	0.02	<10	<10	53	<10	95
ZZ22447		<20	0.10	<10	<10	89	<10	73
ZZ22448		<20	0.06	<10	<10	94	<10	73
ZZ22449		<20	0.05	<10	<10	81	<10	111
ZZ22450		<20	0.09	<10	<10	54	<10	60
ZZ22451		<20	0.06	<10	<10	77	<10	68
ZZ22452		<20	0.04	<10	<10	69	<10	89
ZZ22453		<20	0.08	<10	<10	72	<10	84
ZZ22454		<20	0.08	<10	<10	79	<10	43
ZZ22455		<20	0.07	<10	<10	83	<10	59
ZZ22456		<20	0.09	<10	<10	81	<10	64
ZZ22457		<20	0.04	<10	<10	46	<10	62
ZZ22458		<20	0.08	<10	<10	87	<10	75
ZZ22459		<20	0.18	<10	<10	93	<10	74
ZZ22460		<20	0.12	<10	<10	70	<10	63
ZZ22461		<20	0.10	<10	<10	100	<10	89



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ22462		0.18	0.004	<0.2	1.54	21	<10	210	<0.5	<2	0.41	<0.5	9	30	14	2.74
ZZ22463		0.22	0.005	<0.2	1.76	26	<10	300	<0.5	<2	0.46	<0.5	20	30	16	3.23
ZZ22464		0.16	0.003	<0.2	1.90	26	<10	350	<0.5	<2	0.33	<0.5	7	41	15	2.50
ZZ22465		0.10	0.023	0.2	1.00	8	<10	200	<0.5	<2	0.12	<0.5	4	22	20	2.02
ZZ22466		0.16	0.002	0.5	1.23	12	<10	350	<0.5	<2	0.13	<0.5	4	23	20	2.67
ZZ22467		0.16	0.003	<0.2	1.68	25	<10	280	0.6	<2	0.14	<0.5	11	42	54	4.05
ZZ22468		0.44	0.003	<0.2	1.82	12	<10	290	<0.5	<2	0.41	<0.5	8	45	24	2.75
ZZ22469		0.34	0.002	<0.2	2.11	23	<10	300	0.5	<2	0.31	<0.5	11	46	30	3.92
ZZ22470		0.22	<0.001	<0.2	2.38	30	<10	420	0.5	<2	0.42	<0.5	10	62	28	3.43
ZZ22471		0.24	<0.001	<0.2	1.87	20	<10	340	0.6	<2	0.67	<0.5	17	81	28	3.32
ZZ22472		0.32	<0.001	<0.2	2.16	13	<10	260	<0.5	<2	0.39	<0.5	9	50	21	2.98
ZZ22473		0.14	<0.001	<0.2	1.64	16	<10	200	<0.5	<2	0.32	<0.5	10	41	16	3.25
ZZ22474		0.24	0.008	<0.2	1.56	14	<10	220	<0.5	<2	0.58	<0.5	12	72	22	2.95
ZZ22475		0.22	0.001	<0.2	1.64	4	<10	190	0.6	<2	0.71	<0.5	16	96	23	2.78
ZZ22476		0.14	0.002	<0.2	1.52	7	<10	240	0.5	<2	0.89	<0.5	19	81	19	3.56
ZZ22477		0.22	0.001	<0.2	1.43	11	<10	200	0.5	<2	0.63	<0.5	17	93	18	2.70
ZZ22478		0.24	0.001	<0.2	1.50	13	<10	250	0.5	<2	0.69	<0.5	17	98	21	3.08
ZZ22479		0.18	0.003	<0.2	1.69	7	<10	270	<0.5	<2	0.66	<0.5	19	106	18	3.05
ZZ22480		0.12	0.001	<0.2	1.70	6	<10	160	<0.5	<2	0.29	<0.5	6	47	11	1.89
ZZ22481		0.26	0.004	<0.2	1.55	5	<10	100	<0.5	<2	0.29	<0.5	8	41	11	1.95
ZZ22482		0.28	0.001	<0.2	1.70	14	<10	140	<0.5	3	0.33	<0.5	12	49	21	3.38
ZZ22483		0.26	0.001	<0.2	1.97	13	<10	200	<0.5	3	0.39	<0.5	13	57	21	2.99
ZZ22484		0.32	0.001	<0.2	1.99	14	<10	200	<0.5	3	0.34	<0.5	13	60	22	2.95
ZZ22485		0.28	0.001	<0.2	1.66	20	<10	260	<0.5	3	0.45	<0.5	12	67	22	3.15
ZZ22486		0.18	0.003	0.5	2.35	29	<10	670	0.8	3	0.52	0.6	21	71	51	4.60
ZZ22487		0.20	0.001	0.4	2.01	51	<10	360	<0.5	3	0.25	0.6	12	67	43	4.32
ZZ22488		0.12	0.005	0.7	1.29	52	<10	580	<0.5	2	0.17	0.8	10	47	33	3.04
ZZ22489		0.12	0.001	0.5	1.67	62	<10	660	0.6	3	0.30	1.0	16	59	50	3.59
ZZ22490		0.26	0.001	<0.2	2.15	22	<10	210	<0.5	4	0.45	<0.5	14	67	21	3.63
ZZ22491		0.62	0.003	<0.2	1.96	16	<10	250	<0.5	3	0.39	<0.5	12	56	27	2.95
ZZ22492		0.30	0.002	<0.2	2.19	13	<10	260	0.5	3	0.26	<0.5	10	47	23	2.49
ZZ22493		0.38	0.001	<0.2	1.81	13	<10	180	<0.5	3	0.26	<0.5	7	38	14	2.35
ZZ22494		0.22	0.001	<0.2	1.34	10	<10	150	<0.5	2	0.23	<0.5	6	29	11	2.19
ZZ22495		0.16	<0.001	<0.2	1.11	10	<10	160	<0.5	2	0.24	<0.5	6	30	15	2.32
ZZ22496		0.56	0.003	<0.2	1.96	10	<10	230	<0.5	3	0.35	<0.5	10	48	26	2.80
ZZ22497		0.56	0.002	<0.2	1.94	17	<10	210	<0.5	3	0.36	<0.5	9	48	28	3.12
ZZ22498		0.34	0.002	<0.2	1.80	13	<10	230	<0.5	3	0.52	<0.5	10	56	36	2.98
ZZ22499		0.56	0.002	<0.2	1.95	14	<10	220	0.5	2	0.43	<0.5	11	58	36	3.04
ZZ22500		0.22	0.005	0.6	2.79	23	<10	460	0.6	3	0.58	<0.5	17	63	43	3.58



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ22462		<10	<1	0.11	10	0.53	363	1	0.02	14	890	8	0.02	<2	4	25
ZZ22463		10	<1	0.15	10	0.63	1265	1	0.02	14	940	8	0.03	2	6	28
ZZ22464		10	<1	0.09	10	0.59	303	1	0.02	16	760	9	0.03	<2	5	23
ZZ22465		<10	<1	0.05	10	0.14	150	1	0.02	11	900	8	0.06	<2	1	22
ZZ22466		10	<1	0.05	10	0.16	132	2	0.01	13	320	9	0.04	2	2	19
ZZ22467		10	<1	0.16	10	0.37	451	4	0.02	40	450	12	0.07	3	5	26
ZZ22468		10	<1	0.10	10	0.60	172	<1	0.02	22	680	7	0.02	<2	6	28
ZZ22469		10	<1	0.07	10	0.54	163	<1	0.02	22	780	10	0.02	2	7	25
ZZ22470		10	<1	0.21	20	0.82	399	<1	0.02	29	760	9	0.02	<2	6	34
ZZ22471		10	<1	0.09	20	0.96	1465	1	0.03	38	1210	18	0.05	2	5	78
ZZ22472		10	<1	0.09	10	0.70	219	<1	0.02	21	700	10	0.01	<2	6	31
ZZ22473		10	<1	0.07	10	0.54	507	2	0.02	19	1000	10	0.04	<2	3	23
ZZ22474		10	<1	0.11	20	0.82	544	<1	0.02	32	1240	11	0.04	<2	5	55
ZZ22475		10	<1	0.05	10	1.39	377	<1	0.03	62	1100	6	0.05	<2	7	73
ZZ22476		<10	<1	0.04	10	1.04	932	<1	0.03	59	1150	5	0.09	<2	5	120
ZZ22477		<10	<1	0.06	10	1.25	452	<1	0.02	56	1040	5	0.04	<2	5	62
ZZ22478		10	<1	0.06	10	1.29	744	<1	0.02	59	1150	7	0.05	2	6	68
ZZ22479		<10	<1	0.06	10	1.39	842	<1	0.02	60	1130	6	0.06	<2	7	62
ZZ22480		10	<1	0.06	10	0.54	163	<1	0.02	20	590	8	0.03	<2	4	22
ZZ22481		<10	<1	0.05	10	0.55	223	<1	0.02	18	760	7	0.02	<2	3	19
ZZ22482		10	<1	0.10	10	0.84	465	1	0.02	42	1010	9	0.03	<2	3	22
ZZ22483		10	<1	0.11	10	0.83	443	<1	0.02	29	910	11	0.02	<2	4	26
ZZ22484		10	<1	0.10	10	0.78	609	1	0.02	28	920	11	0.02	<2	4	22
ZZ22485		10	<1	0.15	10	0.81	451	<1	0.02	30	970	12	0.02	<2	5	35
ZZ22486		10	<1	0.25	20	1.03	873	2	0.02	49	760	6	0.07	<2	10	40
ZZ22487		10	<1	0.14	10	0.69	431	2	0.01	46	710	10	0.07	<2	6	25
ZZ22488		10	<1	0.10	10	0.36	257	2	0.01	38	580	8	0.06	<2	4	23
ZZ22489		10	<1	0.16	10	0.58	740	2	0.01	47	860	8	0.08	2	4	30
ZZ22490		10	<1	0.16	10	1.01	519	1	0.02	29	770	15	0.02	<2	5	36
ZZ22491		10	<1	0.11	10	0.74	353	<1	0.02	25	880	9	0.01	<2	6	25
ZZ22492		10	1	0.06	10	0.57	172	<1	0.01	20	520	10	0.01	2	6	20
ZZ22493		<10	<1	0.06	10	0.49	151	<1	0.01	16	560	9	0.02	<2	4	19
ZZ22494		<10	<1	0.04	10	0.39	148	<1	0.01	12	540	6	0.02	<2	3	15
ZZ22495		<10	1	0.04	10	0.31	222	<1	0.01	11	1000	6	0.07	<2	2	19
ZZ22496		10	<1	0.08	10	0.70	204	<1	0.02	21	800	12	0.02	<2	6	24
ZZ22497		10	<1	0.08	10	0.68	200	<1	0.02	19	840	9	0.02	<2	6	24
ZZ22498		<10	<1	0.16	20	0.89	286	<1	0.02	28	930	11	0.01	<2	7	36
ZZ22499		10	<1	0.13	10	0.85	324	<1	0.02	27	870	12	0.01	<2	6	33
ZZ22500		10	<1	0.14	20	0.76	663	2	0.02	31	830	19	0.05	<2	8	43



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CERTIFICATE OF ANALYSIS WH11133144

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ22462		<20	0.13	<10	<10	79	<10	65
ZZ22463		<20	0.15	<10	<10	83	<10	71
ZZ22464		<20	0.13	<10	<10	79	<10	78
ZZ22465		<20	0.04	<10	<10	47	<10	45
ZZ22466		<20	0.08	<10	<10	95	<10	53
ZZ22467		<20	0.04	<10	<10	99	<10	125
ZZ22468		<20	0.09	<10	<10	76	<10	80
ZZ22469		<20	0.09	<10	<10	86	<10	78
ZZ22470		<20	0.13	<10	<10	92	<10	78
ZZ22471		<20	0.11	<10	<10	81	<10	83
ZZ22472		<20	0.14	<10	<10	77	<10	62
ZZ22473		<20	0.09	<10	<10	78	<10	56
ZZ22474		<20	0.10	<10	<10	75	<10	68
ZZ22475		<20	0.10	<10	<10	73	<10	71
ZZ22476		<20	0.08	<10	<10	71	<10	91
ZZ22477		<20	0.08	<10	<10	68	<10	76
ZZ22478		<20	0.08	<10	<10	74	<10	80
ZZ22479		<20	0.09	<10	<10	72	<10	88
ZZ22480		<20	0.09	<10	<10	46	<10	60
ZZ22481		<20	0.09	<10	<10	43	<10	53
ZZ22482		<20	0.11	<10	<10	78	<10	68
ZZ22483		<20	0.13	<10	<10	75	<10	65
ZZ22484		<20	0.12	<10	<10	73	<10	70
ZZ22485		<20	0.11	<10	<10	80	<10	72
ZZ22486		<20	0.17	<10	<10	119	<10	137
ZZ22487		<20	0.09	<10	<10	144	<10	137
ZZ22488		<20	0.08	<10	<10	78	<10	90
ZZ22489		<20	0.09	<10	<10	93	<10	126
ZZ22490		<20	0.16	<10	<10	96	<10	77
ZZ22491		<20	0.14	<10	<10	76	<10	64
ZZ22492		<20	0.11	<10	<10	81	<10	69
ZZ22493		<20	0.10	<10	<10	57	<10	56
ZZ22494		<20	0.07	<10	<10	46	<10	45
ZZ22495		<20	0.05	<10	<10	44	<10	32
ZZ22496		<20	0.13	<10	<10	75	<10	63
ZZ22497		<20	0.14	<10	<10	74	<10	56
ZZ22498		<20	0.16	<10	<10	77	<10	61
ZZ22499		<20	0.14	<10	<10	75	<10	59
ZZ22500		<20	0.09	<10	<10	80	<10	66



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Project: LLL

P.O. No.:

This report is for 126 Soil samples submitted to our lab in Whitehorse, YT, Canada on 14-JUL- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ09386		0.26	0.391	1.2	0.81	23	<10	120	0.6	<2	0.17	0.5	8	21	219	1.76
ZZ09387		0.22	0.010	1.4	1.81	36	<10	320	0.9	<2	0.46	0.8	8	35	25	2.69
ZZ09388		0.18	0.057	0.2	1.34	17	<10	100	0.5	<2	0.19	<0.5	7	32	14	2.71
ZZ09389		0.26	0.016	1.1	2.49	38	<10	360	1.1	<2	0.50	<0.5	12	43	50	3.41
ZZ09390		0.28	0.001	<0.2	0.86	4	<10	130	<0.5	<2	0.21	0.5	4	22	15	1.65
ZZ09391		0.12	0.001	0.6	1.49	8	<10	190	0.6	<2	0.36	<0.5	8	35	13	2.09
ZZ09392		0.48	0.004	0.5	1.39	30	<10	120	0.5	<2	0.23	0.6	8	35	10	2.52
ZZ09393		0.30	0.003	1.0	1.96	49	<10	230	0.8	<2	0.30	1.5	13	42	18	3.27
ZZ09394		0.26	0.005	1.1	2.29	22	<10	210	1.2	<2	0.44	<0.5	9	42	22	3.11
ZZ09395		0.36	0.003	<0.2	1.71	13	<10	140	0.7	<2	0.36	<0.5	10	40	16	2.98
ZZ09396		0.20	0.002	0.3	1.66	9	<10	130	0.5	<2	0.11	<0.5	5	27	15	2.86
ZZ09397		0.36	0.005	<0.2	2.12	12	<10	230	0.7	<2	0.45	<0.5	9	46	20	3.23
ZZ09398		0.18	0.005	2.6	2.55	17	<10	320	0.9	<2	0.73	<0.5	17	44	26	3.69
ZZ09399		0.28	0.005	0.6	1.80	10	<10	260	0.8	<2	0.56	<0.5	10	36	23	2.74
ZZ09400		0.36	0.003	<0.2	1.76	10	<10	290	0.9	<2	0.54	<0.5	10	39	18	3.06
ZZ09488		0.22	0.002	0.2	2.16	33	<10	650	0.8	<2	0.25	<0.5	12	47	28	4.23
ZZ09489		0.40	0.007	0.2	1.65	18	<10	310	0.6	<2	0.39	<0.5	10	37	20	3.04
ZZ09490		0.30	0.003	0.2	1.92	27	<10	900	1.7	<2	0.68	<0.5	12	40	26	3.56
ZZ09491		0.18	0.003	0.7	2.49	25	<10	1000	1.7	<2	1.22	0.5	11	39	32	3.77
ZZ09492		0.28	0.006	<0.2	2.28	42	<10	570	1.0	<2	0.62	<0.5	15	65	35	4.34
ZZ09493		0.20	0.001	<0.2	1.69	18	<10	370	0.8	<2	0.44	<0.5	14	59	31	3.64
ZZ09494		0.10	0.002	<0.2	1.67	12	<10	370	0.8	<2	1.29	<0.5	17	105	26	3.70
ZZ09495		0.34	0.005	0.3	1.89	18	<10	230	0.6	<2	0.35	<0.5	9	48	22	3.30
ZZ09496		0.30	0.004	0.7	2.73	30	<10	460	1.1	<2	0.82	<0.5	10	50	40	3.74
ZZ09497		0.22	0.003	0.5	3.10	17	<10	500	1.1	<2	0.80	<0.5	15	62	40	4.03
ZZ09498		0.18	0.002	<0.2	1.59	15	<10	120	0.5	<2	0.31	<0.5	11	43	20	3.08
ZZ09499		0.46	0.001	<0.2	1.81	55	<10	120	0.6	<2	0.20	<0.5	11	39	30	3.90
ZZ09500		0.38	0.002	<0.2	2.55	41	<10	110	0.6	<2	0.15	<0.5	12	44	25	4.84
ZZ22001		0.22	0.002	<0.2	2.14	16	<10	230	0.6	<2	0.32	<0.5	13	59	37	3.56
ZZ22002		0.30	0.004	<0.2	1.74	15	<10	220	0.5	<2	0.43	<0.5	12	58	27	3.21
ZZ22003		0.16	0.003	<0.2	2.31	17	<10	90	0.5	<2	0.15	<0.5	9	42	16	3.71
ZZ22004		0.30	0.004	<0.2	1.71	15	<10	180	0.5	<2	0.53	<0.5	13	61	28	3.45
ZZ22005		0.28	0.002	<0.2	2.00	12	<10	160	0.6	<2	0.31	<0.5	12	47	29	6.19
ZZ22006		0.20	0.009	<0.2	1.46	5	<10	140	<0.5	<2	0.34	<0.5	7	38	12	2.18
ZZ22007		0.30	0.003	<0.2	1.83	9	<10	160	<0.5	<2	0.34	<0.5	9	42	16	2.47
ZZ22008		0.22	0.001	<0.2	1.54	3	<10	220	<0.5	<2	0.29	<0.5	6	36	13	1.63
ZZ22009		0.32	<0.001	<0.2	1.41	20	<10	220	<0.5	<2	0.47	<0.5	9	56	27	2.80
ZZ22010		0.40	0.003	<0.2	2.20	13	<10	230	<0.5	<2	0.29	<0.5	10	50	23	3.21
ZZ22021		0.50	0.004	<0.2	1.69	13	<10	240	<0.5	<2	0.49	<0.5	11	61	25	3.07
ZZ22022		0.46	0.002	<0.2	2.03	16	<10	550	<0.5	<2	0.28	<0.5	8	58	26	2.85



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ09386		<10	<1	0.07	10	0.23	399	2	0.02	14	380	38	0.06	<2	2	19
ZZ09387		10	<1	0.08	20	0.41	427	1	0.03	19	730	76	0.07	<2	4	40
ZZ09388		10	<1	0.06	10	0.34	363	1	0.02	16	500	28	0.02	<2	3	14
ZZ09389		10	1	0.09	30	0.48	1420	2	0.02	25	810	39	0.07	2	6	42
ZZ09390		10	<1	0.05	10	0.16	438	1	0.02	13	350	14	0.03	<2	1	21
ZZ09391		10	<1	0.06	10	0.31	2290	1	0.03	15	820	22	0.08	2	5	29
ZZ09392		10	<1	0.06	10	0.36	629	1	0.02	15	620	38	0.04	3	4	18
ZZ09393		10	<1	0.09	10	0.42	2320	2	0.02	22	790	66	0.06	8	4	27
ZZ09394		10	<1	0.10	20	0.46	1865	11	0.02	21	620	50	0.04	4	7	34
ZZ09395		10	<1	0.08	10	0.48	1060	3	0.03	21	500	29	0.02	<2	4	28
ZZ09396		10	<1	0.06	10	0.25	340	4	0.02	13	320	20	0.02	<2	2	13
ZZ09397		10	<1	0.11	10	0.50	863	3	0.02	23	560	23	0.04	<2	5	39
ZZ09398		10	<1	0.13	20	0.48	1935	2	0.02	24	1310	22	0.12	<2	8	66
ZZ09399		10	<1	0.08	20	0.46	539	1	0.02	22	790	18	0.06	4	5	47
ZZ09400		10	1	0.10	30	0.48	673	1	0.02	22	680	14	0.03	<2	7	48
ZZ09488		10	<1	0.13	20	0.52	738	2	0.02	27	430	16	0.02	2	5	27
ZZ09489		10	<1	0.11	20	0.54	343	1	0.03	24	870	16	0.01	<2	4	27
ZZ09490		10	<1	0.14	50	0.44	634	2	0.02	31	920	27	0.06	3	8	63
ZZ09491		10	<1	0.18	70	0.56	1170	1	0.02	35	910	31	0.09	2	10	179
ZZ09492		10	<1	0.19	20	0.78	697	2	0.03	46	820	19	0.04	<2	9	52
ZZ09493		10	<1	0.14	10	0.72	500	3	0.03	45	950	13	0.04	2	5	34
ZZ09494		10	<1	0.11	10	0.97	668	1	0.03	59	1090	10	0.09	<2	9	117
ZZ09495		10	<1	0.15	10	0.64	283	1	0.02	27	560	35	0.02	2	5	23
ZZ09496		10	<1	0.22	50	0.59	425	1	0.02	35	720	19	0.05	2	6	50
ZZ09497		10	<1	0.20	90	0.69	702	2	0.03	49	690	19	0.04	3	7	48
ZZ09498		10	<1	0.24	30	0.61	457	<1	0.03	23	470	11	0.02	<2	5	15
ZZ09499		10	<1	0.17	20	0.52	468	1	0.02	32	420	15	0.01	2	5	14
ZZ09500		10	<1	0.13	10	0.54	528	1	0.02	28	440	24	0.02	2	5	13
ZZ22001		10	<1	0.12	20	0.72	590	1	0.02	33	620	14	0.03	2	4	30
ZZ22002		10	<1	0.13	10	0.77	407	1	0.03	27	820	13	0.01	<2	5	30
ZZ22003		10	<1	0.06	10	0.42	383	2	0.02	17	570	11	0.03	<2	4	14
ZZ22004		10	<1	0.16	20	0.82	471	1	0.03	23	1730	14	0.01	<2	5	30
ZZ22005		10	<1	0.07	20	0.56	372	2	0.02	18	1020	12	0.04	<2	5	24
ZZ22006		10	<1	0.05	10	0.52	159	<1	0.02	16	850	9	0.02	2	3	21
ZZ22007		10	<1	0.06	10	0.58	171	<1	0.03	19	760	12	0.02	<2	4	22
ZZ22008		10	<1	0.05	10	0.43	131	<1	0.02	15	580	9	0.02	<2	4	20
ZZ22009		<10	<1	0.15	20	0.68	310	2	0.02	28	1180	11	<0.01	<2	5	28
ZZ22010		10	<1	0.08	10	0.61	159	<1	0.01	25	700	11	0.02	<2	6	23
ZZ22021		10	<1	0.15	10	0.85	384	1	0.02	29	1100	12	0.01	<2	5	37
ZZ22022		10	<1	0.10	10	0.61	215	2	0.01	28	680	10	0.02	<2	5	24



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ09386		<20	0.03	<10	<10	31	<10	65
ZZ09387		<20	0.05	<10	10	56	<10	117
ZZ09388		<20	0.07	<10	<10	58	<10	66
ZZ09389		<20	0.06	<10	10	67	<10	84
ZZ09390		<20	0.06	<10	<10	51	<10	37
ZZ09391		<20	0.05	<10	10	42	<10	51
ZZ09392		<20	0.06	<10	<10	54	<10	156
ZZ09393		<20	0.06	<10	10	65	<10	144
ZZ09394		<20	0.06	<10	10	56	<10	122
ZZ09395		<20	0.08	<10	<10	58	<10	93
ZZ09396		<20	0.05	<10	<10	71	<10	64
ZZ09397		<20	0.07	<10	<10	63	<10	98
ZZ09398		<20	0.04	<10	10	60	<10	94
ZZ09399		<20	0.06	<10	<10	52	<10	66
ZZ09400		<20	0.06	<10	<10	54	<10	73
ZZ09488		<20	0.07	<10	<10	90	<10	83
ZZ09489		<20	0.08	<10	<10	60	<10	79
ZZ09490		<20	0.02	<10	<10	54	<10	82
ZZ09491		<20	0.02	<10	<10	57	<10	103
ZZ09492		<20	0.09	<10	<10	98	<10	103
ZZ09493		<20	0.09	<10	<10	76	<10	119
ZZ09494		<20	0.03	<10	<10	72	<10	107
ZZ09495		<20	0.10	<10	<10	72	<10	124
ZZ09496		<20	0.05	<10	<10	70	<10	89
ZZ09497		<20	0.09	<10	<10	78	<10	101
ZZ09498		<20	0.12	<10	<10	52	<10	67
ZZ09499		<20	0.07	<10	<10	68	<10	87
ZZ09500		<20	0.08	<10	<10	87	<10	100
ZZ22001		<20	0.11	<10	<10	89	<10	71
ZZ22002		<20	0.12	<10	<10	83	<10	62
ZZ22003		<20	0.11	<10	<10	86	<10	52
ZZ22004		<20	0.12	<10	<10	86	<10	65
ZZ22005		<20	0.09	<10	<10	84	<10	53
ZZ22006		<20	0.09	<10	<10	51	<10	51
ZZ22007		<20	0.10	<10	<10	63	<10	64
ZZ22008		<20	0.09	<10	<10	41	<10	52
ZZ22009		<20	0.13	<10	<10	76	<10	66
ZZ22010		<20	0.10	<10	<10	77	<10	65
ZZ22021		<20	0.13	<10	<10	79	<10	67
ZZ22022		<20	0.10	<10	<10	86	<10	88



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ22023		0.48	0.001	0.2	1.90	21	<10	460	0.5	<2	0.23	<0.5	13	56	31	3.25
ZZ22024		0.60	0.001	<0.2	2.02	24	<10	400	0.6	<2	0.32	<0.5	12	58	33	3.19
ZZ22025		0.48	0.002	<0.2	1.88	16	<10	280	0.5	<2	0.64	<0.5	13	64	47	3.61
ZZ22026		0.52	0.002	0.2	1.99	17	<10	320	<0.5	<2	0.36	<0.5	9	55	26	3.17
ZZ22027		0.30	0.002	<0.2	2.04	11	<10	320	0.5	<2	0.34	<0.5	9	56	26	2.85
ZZ22028		0.46	0.002	<0.2	1.88	19	<10	280	0.5	<2	0.33	<0.5	8	45	23	2.95
ZZ22029		0.36	0.012	<0.2	1.75	28	<10	290	<0.5	<2	0.32	<0.5	7	44	18	4.00
ZZ22030		0.20	0.002	<0.2	2.00	8	<10	310	<0.5	<2	0.33	<0.5	7	45	22	2.42
ZZ22031		0.38	0.001	<0.2	2.00	10	<10	230	0.5	<2	0.30	<0.5	9	42	22	2.96
ZZ22032		0.36	0.002	<0.2	1.95	13	<10	270	<0.5	<2	0.32	<0.5	8	44	19	2.79
ZZ22033		0.28	0.003	<0.2	1.97	10	<10	370	0.5	<2	0.34	<0.5	12	43	26	3.41
ZZ22034		0.30	0.002	<0.2	2.17	18	<10	360	0.5	<2	0.36	<0.5	13	47	29	3.78
ZZ22035		0.22	0.002	<0.2	1.95	16	<10	250	0.5	<2	0.79	<0.5	13	82	27	3.11
ZZ22036		0.18	0.001	<0.2	1.69	19	<10	350	0.6	<2	0.63	<0.5	38	65	28	3.89
ZZ22037		0.18	0.002	<0.2	1.51	10	<10	200	<0.5	<2	0.30	<0.5	6	36	16	2.27
ZZ22038		0.18	0.004	<0.2	1.81	9	<10	230	<0.5	<2	0.31	<0.5	7	39	19	2.16
ZZ22039		0.28	0.003	<0.2	1.87	22	<10	260	0.6	<2	0.30	<0.5	10	41	28	5.06
ZZ22040		0.30	0.001	<0.2	2.04	14	<10	310	0.6	<2	0.28	<0.5	10	44	25	2.64
ZZ22041		0.14	0.002	<0.2	1.72	12	<10	270	<0.5	<2	0.29	<0.5	6	37	20	2.35
ZZ22042		0.30	0.001	<0.2	2.01	17	<10	250	0.5	<2	0.31	<0.5	11	43	27	3.27
ZZ22043		0.28	0.004	0.2	1.88	25	<10	540	0.7	<2	0.33	<0.5	15	54	38	3.38
ZZ22044		0.28	0.002	0.3	1.88	27	<10	510	0.6	<2	0.29	<0.5	9	45	29	3.93
ZZ22045		0.28	0.002	0.2	1.77	24	<10	770	0.9	<2	0.30	<0.5	13	44	60	3.92
ZZ22046		0.36	0.001	0.3	1.95	22	<10	390	0.7	<2	0.29	<0.5	10	62	39	3.23
ZZ22047		0.32	0.002	0.3	2.15	20	<10	860	0.6	<2	0.29	<0.5	10	60	37	3.09
ZZ22048		0.18	0.001	0.3	1.47	19	<10	1150	<0.5	<2	0.26	<0.5	12	40	20	3.50
ZZ22049		0.18	0.011	0.3	1.73	22	<10	1740	0.5	<2	0.23	<0.5	14	60	39	3.09
ZZ22050		0.16	0.002	0.5	1.95	19	<10	510	<0.5	<2	0.22	<0.5	11	52	21	2.94
ZZ22051		0.16	0.002	0.2	1.65	25	<10	180	0.8	<2	0.19	<0.5	15	57	37	4.36
ZZ22052		0.22	0.001	0.2	1.17	63	<10	750	1.1	<2	0.43	<0.5	13	44	35	3.64
ZZ22053		0.18	<0.001	0.3	1.68	35	<10	230	0.7	<2	0.20	<0.5	12	53	41	3.85
ZZ22054		0.18	0.003	0.4	2.44	13	<10	440	0.6	<2	0.29	<0.5	15	76	31	4.65
ZZ22055		0.26	0.003	0.2	1.71	13	<10	190	<0.5	2	0.24	<0.5	7	39	18	2.11
ZZ22056		0.18	0.001	0.2	1.35	14	<10	160	<0.5	<2	0.29	<0.5	6	31	11	3.29
ZZ22057		0.30	0.002	<0.2	1.69	14	<10	260	<0.5	2	0.28	<0.5	9	32	13	3.60
ZZ22058		0.14	0.002	<0.2	1.07	4	<10	260	<0.5	<2	0.22	<0.5	5	26	11	2.01
ZZ22251		0.20	0.006	<0.2	1.53	8	<10	100	<0.5	<2	0.24	<0.5	6	28	8	2.03
ZZ22252		0.24	0.001	<0.2	1.37	9	<10	100	<0.5	<2	0.20	<0.5	6	26	9	1.91
ZZ22253		0.20	0.005	0.2	1.42	23	<10	170	<0.5	<2	0.19	<0.5	26	31	16	3.16
ZZ22254		0.22	0.016	0.8	1.48	25	<10	160	0.6	<2	0.18	<0.5	27	28	59	2.68



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ22023		10	<1	0.12	10	0.50	294	2	0.02	26	610	11	0.03	<2	6	25
ZZ22024		10	<1	0.10	10	0.69	303	2	0.01	32	710	11	0.01	<2	6	28
ZZ22025		10	<1	0.21	10	0.87	548	1	0.03	35	1140	13	0.01	<2	8	43
ZZ22026		10	<1	0.10	10	0.72	211	1	0.01	26	940	13	0.02	<2	5	29
ZZ22027		10	<1	0.09	10	0.75	212	1	0.01	26	840	14	0.02	<2	5	27
ZZ22028		10	<1	0.07	10	0.61	174	1	0.01	22	790	12	0.02	<2	5	28
ZZ22029		10	<1	0.06	10	0.53	204	1	0.01	19	1040	13	0.03	<2	4	26
ZZ22030		10	<1	0.06	10	0.60	167	<1	0.01	21	570	12	0.02	<2	5	26
ZZ22031		10	<1	0.06	10	0.57	156	<1	0.01	22	680	11	0.02	<2	5	23
ZZ22032		10	<1	0.07	10	0.56	147	<1	0.01	23	720	10	0.02	<2	5	25
ZZ22033		10	1	0.07	10	0.56	319	2	0.01	22	740	10	0.04	<2	6	26
ZZ22034		10	<1	0.09	10	0.60	291	2	0.01	26	760	10	0.02	<2	6	30
ZZ22035		10	<1	0.11	20	1.05	402	2	0.03	41	1160	17	0.08	<2	5	89
ZZ22036		<10	1	0.09	20	0.75	1125	3	0.02	32	1190	13	0.10	<2	5	66
ZZ22037		<10	<1	0.06	10	0.44	136	1	0.01	18	650	7	0.03	<2	4	23
ZZ22038		10	<1	0.07	10	0.52	156	<1	0.01	21	590	9	0.02	<2	5	23
ZZ22039		<10	<1	0.06	10	0.50	219	2	0.01	22	790	10	0.03	<2	6	23
ZZ22040		10	<1	0.07	10	0.58	166	1	0.01	26	580	10	0.02	2	6	21
ZZ22041		<10	1	0.06	10	0.49	150	1	0.01	21	660	11	0.03	<2	5	23
ZZ22042		10	1	0.07	10	0.58	350	1	0.01	24	850	12	0.02	<2	5	26
ZZ22043		10	1	0.10	10	0.66	322	2	0.01	36	850	14	0.01	3	8	33
ZZ22044		10	<1	0.10	10	0.56	280	2	0.01	27	860	16	0.03	2	6	31
ZZ22045		<10	<1	0.09	20	0.42	279	2	0.01	26	1000	20	0.02	<2	11	46
ZZ22046		10	<1	0.12	10	0.68	190	2	0.01	34	710	12	0.01	<2	7	23
ZZ22047		10	<1	0.11	10	0.66	191	1	0.01	34	610	11	0.01	<2	8	24
ZZ22048		10	<1	0.08	10	0.51	510	4	0.01	24	860	9	0.05	<2	3	28
ZZ22049		10	<1	0.13	10	0.53	421	2	0.01	39	740	7	0.06	<2	5	28
ZZ22050		10	<1	0.10	10	0.54	293	3	0.01	28	760	10	0.05	<2	4	22
ZZ22051		10	<1	0.19	10	0.58	579	3	0.01	55	670	18	0.02	<2	6	21
ZZ22052		<10	<1	0.13	10	0.42	602	3	0.01	36	1340	18	0.02	8	8	99
ZZ22053		<10	<1	0.16	10	0.50	286	2	0.01	49	670	9	0.05	3	6	21
ZZ22054		10	1	0.27	10	0.92	421	3	0.01	47	1130	11	0.06	<2	7	25
ZZ22055		10	<1	0.06	10	0.51	136	<1	0.02	25	570	8	0.06	<2	3	18
ZZ22056		10	<1	0.07	10	0.46	140	1	0.02	16	840	7	0.05	<2	3	18
ZZ22057		10	<1	0.07	10	0.50	146	<1	0.02	17	770	7	0.04	<2	3	18
ZZ22058		<10	1	0.05	10	0.29	92	<1	0.02	11	710	5	0.08	<2	2	16
ZZ22251		10	1	0.05	10	0.44	142	<1	0.02	13	520	11	0.03	<2	3	17
ZZ22252		<10	<1	0.06	10	0.38	299	<1	0.02	12	550	11	0.03	2	3	15
ZZ22253		<10	<1	0.05	10	0.31	2960	3	0.02	11	830	13	0.06	2	3	18
ZZ22254		<10	<1	0.05	10	0.32	1785	1	0.02	11	810	30	0.07	<2	3	19



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		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ22023		<20	0.09	<10	<10	103	<10	80
ZZ22024		<20	0.11	<10	<10	87	<10	83
ZZ22025		<20	0.14	<10	<10	90	<10	77
ZZ22026		<20	0.10	<10	<10	81	<10	74
ZZ22027		<20	0.11	<10	<10	75	<10	77
ZZ22028		<20	0.09	<10	<10	77	<10	73
ZZ22029		<20	0.08	<10	<10	102	<10	67
ZZ22030		<20	0.11	<10	<10	63	<10	68
ZZ22031		<20	0.09	<10	<10	71	<10	62
ZZ22032		<20	0.10	<10	<10	68	<10	61
ZZ22033		<20	0.08	<10	<10	72	<10	70
ZZ22034		<20	0.09	<10	<10	82	<10	93
ZZ22035		<20	0.11	<10	<10	75	<10	91
ZZ22036		<20	0.08	<10	<10	78	<10	67
ZZ22037		<20	0.08	<10	<10	55	<10	62
ZZ22038		<20	0.09	<10	<10	61	<10	68
ZZ22039		<20	0.07	<10	<10	78	<10	65
ZZ22040		<20	0.09	<10	<10	75	<10	77
ZZ22041		<20	0.08	<10	<10	63	<10	69
ZZ22042		<20	0.08	<10	<10	77	<10	77
ZZ22043		<20	0.10	<10	<10	91	<10	100
ZZ22044		<20	0.06	<10	<10	76	<10	88
ZZ22045		<20	0.05	<10	<10	78	<10	91
ZZ22046		<20	0.10	<10	<10	95	<10	97
ZZ22047		<20	0.11	<10	<10	97	<10	103
ZZ22048		<20	0.09	<10	<10	101	<10	82
ZZ22049		<20	0.11	<10	<10	83	<10	101
ZZ22050		<20	0.09	<10	<10	88	<10	86
ZZ22051		<20	0.10	<10	<10	99	<10	134
ZZ22052		<20	0.05	<10	<10	86	<10	115
ZZ22053		<20	0.09	<10	<10	89	<10	114
ZZ22054		<20	0.22	<10	<10	135	<10	107
ZZ22055		<20	0.08	<10	<10	57	<10	72
ZZ22056		<20	0.08	<10	<10	66	<10	56
ZZ22057		<20	0.09	<10	<10	69	<10	67
ZZ22058		<20	0.05	<10	<10	30	<10	39
ZZ22251		<20	0.07	<10	<10	41	<10	51
ZZ22252		<20	0.06	<10	<10	41	<10	51
ZZ22253		<20	0.05	<10	<10	60	<10	47
ZZ22254		<20	0.05	<10	10	51	<10	58



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ22255		0.26	0.004	0.3	1.32	19	<10	150	<0.5	2	0.26	0.5	71	23	10	2.72
ZZ22256		0.16	0.003	0.2	1.45	19	<10	160	<0.5	<2	0.28	<0.5	10	25	10	3.34
ZZ22257		0.24	0.006	0.4	1.86	17	<10	260	0.9	<2	0.35	<0.5	14	23	22	3.56
ZZ22258		0.24	0.004	0.2	1.10	11	<10	180	0.6	<2	0.29	<0.5	8	20	21	2.34
ZZ22259		0.18	0.002	<0.2	1.25	9	<10	100	<0.5	<2	0.17	<0.5	6	20	14	2.23
ZZ22260		0.22	0.004	0.5	1.27	23	<10	90	0.5	<2	0.16	<0.5	5	19	14	2.14
ZZ22261		0.18	0.001	<0.2	1.20	9	<10	90	<0.5	<2	0.11	<0.5	5	19	10	2.53
ZZ22262		0.22	0.001	<0.2	1.77	8	<10	100	0.6	<2	0.14	<0.5	9	27	13	2.72
ZZ22263		0.18	0.004	0.3	2.90	13	<10	300	1.1	<2	0.31	<0.5	10	37	19	3.75
ZZ22264		0.18	<0.001	0.3	1.88	7	<10	350	0.7	<2	0.38	<0.5	6	32	15	2.67
ZZ22265		0.24	0.011	0.9	2.67	13	<10	330	1.0	2	0.61	<0.5	10	36	20	3.40
ZZ22266		0.20	0.001	0.5	1.85	15	<10	190	0.6	2	0.39	<0.5	19	34	12	3.56
ZZ22267		0.24	0.002	<0.2	1.74	14	<10	130	0.6	<2	0.30	<0.5	11	33	14	2.99
ZZ22268		0.28	0.001	0.3	1.83	11	<10	190	0.7	<2	0.27	<0.5	10	34	17	2.74
ZZ22269		0.20	0.002	0.5	1.96	11	<10	190	<0.5	<2	0.26	<0.5	9	36	13	2.70
ZZ22270		0.22	0.002	0.5	1.75	52	<10	200	<0.5	2	0.28	<0.5	8	34	16	3.15
ZZ22271		0.28	0.003	0.4	1.50	190	<10	220	0.6	2	0.39	0.5	11	31	17	6.22
ZZ22272		0.22	0.002	0.4	1.72	22	<10	220	<0.5	<2	0.26	<0.5	16	31	10	4.02
ZZ22273		0.22	0.004	0.9	2.57	38	<10	710	0.9	<2	0.42	0.6	17	40	40	4.89
ZZ22274		0.18	0.002	0.4	1.90	23	<10	310	0.5	2	0.45	<0.5	7	34	19	2.73
ZZ22275		0.20	0.002	0.2	1.75	91	<10	440	<0.5	<2	0.52	<0.5	23	31	17	6.03
ZZ22276		0.26	0.004	<0.2	1.97	36	<10	460	0.5	<2	0.43	0.5	17	41	24	4.06
ZZ22277		0.24	0.002	0.2	2.04	16	<10	450	<0.5	<2	0.38	<0.5	10	42	32	2.93
ZZ22278		0.26	0.002	0.3	1.97	19	<10	580	<0.5	<2	0.43	<0.5	10	45	33	3.83
ZZ22279		0.26	0.004	0.3	2.26	19	<10	640	0.5	<2	0.32	0.5	15	52	44	3.76
ZZ22280		0.24	0.002	0.3	2.10	18	<10	300	0.5	<2	0.66	<0.5	10	44	29	3.51
ZZ22281		0.30	0.003	<0.2	2.58	13	<10	270	0.5	<2	0.42	<0.5	11	49	23	3.44
ZZ22282		0.28	0.003	<0.2	2.27	12	<10	300	<0.5	<2	0.40	<0.5	11	51	24	3.44
ZZ22283		0.24	0.003	<0.2	1.70	23	<10	220	<0.5	2	0.33	<0.5	8	45	25	2.95
ZZ22284		0.22	0.002	<0.2	1.66	18	<10	260	<0.5	<2	0.41	<0.5	29	75	20	3.94
ZZ22285		0.24	0.001	<0.2	1.91	17	<10	240	0.6	<2	0.78	<0.5	14	91	26	3.14
ZZ22286		0.20	0.002	<0.2	1.83	11	<10	270	<0.5	<2	0.69	<0.5	9	102	29	2.29
ZZ22287		0.28	0.002	0.2	2.54	56	<10	530	0.6	<2	0.60	<0.5	39	202	38	5.37
ZZ22288		0.26	0.002	0.2	2.09	62	<10	340	0.6	<2	0.53	<0.5	19	134	43	4.67
ZZ22289		0.22	0.004	0.3	2.31	137	<10	370	0.6	<2	0.61	<0.5	19	174	36	5.71
ZZ22290		0.26	0.004	<0.2	2.32	57	<10	370	0.5	<2	0.64	<0.5	21	223	31	4.13
ZZ22291		0.22	0.003	<0.2	1.85	53	<10	270	0.5	<2	0.44	<0.5	9	104	31	3.01
ZZ22292		0.30	0.002	0.2	1.80	37	<10	290	0.7	<2	0.47	<0.5	10	70	34	2.93
ZZ22293		0.28	0.004	0.4	1.97	59	<10	270	0.6	<2	0.47	<0.5	12	57	29	3.28
ZZ22294		0.16	0.003	0.4	1.90	76	<10	610	<0.5	<2	0.88	<0.5	38	56	28	4.67



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CERTIFICATE OF ANALYSIS WH11133143

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ22255		<10	1	0.06	10	0.40	4030	3	0.02	11	600	34	0.03	<2	2	24
ZZ22256		10	<1	0.05	10	0.39	435	6	0.02	10	750	14	0.05	<2	3	24
ZZ22257		<10	<1	0.06	20	0.33	2360	3	0.02	9	1250	18	0.04	<2	6	23
ZZ22258		<10	<1	0.07	10	0.35	320	<1	0.02	11	640	21	0.01	2	4	22
ZZ22259		<10	<1	0.06	10	0.30	239	<1	0.01	11	310	20	0.02	2	2	16
ZZ22260		<10	<1	0.06	10	0.23	210	<1	0.01	9	170	30	0.04	<2	2	18
ZZ22261		10	<1	0.06	10	0.18	327	<1	0.02	8	370	10	0.02	<2	1	12
ZZ22262		10	<1	0.08	10	0.39	532	<1	0.01	14	370	12	0.02	<2	3	14
ZZ22263		10	1	0.16	20	0.42	673	<1	0.02	19	750	19	0.04	<2	5	31
ZZ22264		10	1	0.11	20	0.45	426	<1	0.02	15	430	14	0.03	<2	4	35
ZZ22265		10	1	0.14	20	0.43	1925	1	0.02	18	1090	22	0.09	<2	7	54
ZZ22266		10	1	0.08	10	0.42	1985	2	0.02	14	970	21	0.08	<2	5	34
ZZ22267		10	1	0.08	10	0.51	1475	1	0.02	17	500	16	0.02	<2	4	24
ZZ22268		10	<1	0.08	10	0.47	904	<1	0.02	16	430	18	0.03	<2	6	25
ZZ22269		10	<1	0.07	10	0.48	300	1	0.02	17	570	19	0.04	<2	4	24
ZZ22270		10	<1	0.09	10	0.47	368	1	0.02	17	470	32	0.04	<2	4	21
ZZ22271		<10	<1	0.09	10	0.32	1505	6	0.02	11	1160	29	0.04	3	5	25
ZZ22272		10	1	0.07	10	0.32	1585	2	0.02	10	660	20	0.05	<2	4	24
ZZ22273		10	1	0.11	20	0.36	645	6	0.02	18	1170	21	0.10	2	9	33
ZZ22274		10	<1	0.09	10	0.36	369	<1	0.02	13	910	15	0.09	<2	5	36
ZZ22275		<10	<1	0.10	10	0.47	1610	2	0.02	15	990	9	0.07	<2	4	38
ZZ22276		10	<1	0.11	10	0.70	424	1	0.03	23	980	8	0.03	2	6	28
ZZ22277		10	<1	0.07	10	0.57	195	1	0.02	24	740	10	0.02	<2	6	29
ZZ22278		10	<1	0.07	10	0.57	200	1	0.03	27	690	10	0.02	<2	6	34
ZZ22279		10	<1	0.08	10	0.62	308	1	0.02	33	700	14	0.02	<2	8	27
ZZ22280		10	<1	0.09	20	0.72	281	<1	0.03	24	930	24	0.04	<2	7	40
ZZ22281		10	<1	0.11	20	0.82	319	<1	0.02	24	570	16	0.02	<2	6	30
ZZ22282		10	<1	0.11	20	0.83	272	<1	0.03	23	770	10	0.02	<2	7	32
ZZ22283		10	<1	0.07	10	0.57	227	1	0.01	24	860	12	0.02	2	4	20
ZZ22284		10	<1	0.09	20	0.88	2820	3	0.02	34	1210	16	0.05	<2	4	45
ZZ22285		10	<1	0.09	20	1.14	465	1	0.02	41	970	18	0.05	<2	5	94
ZZ22286		10	<1	0.15	10	0.94	244	<1	0.03	30	900	7	0.10	<2	5	40
ZZ22287		10	<1	0.20	10	1.36	2120	3	0.03	69	770	7	0.05	2	9	40
ZZ22288		10	<1	0.21	10	1.10	628	2	0.02	55	760	7	0.03	2	8	31
ZZ22289		10	<1	0.19	10	1.30	257	2	0.03	93	690	8	0.05	3	8	39
ZZ22290		10	<1	0.18	10	1.40	756	2	0.03	69	970	6	0.04	<2	7	37
ZZ22291		10	<1	0.13	10	0.92	189	1	0.02	39	780	7	0.02	<2	7	24
ZZ22292		10	<1	0.22	10	0.86	228	2	0.02	36	980	9	0.07	3	6	27
ZZ22293		10	<1	0.14	10	0.78	392	2	0.02	30	900	7	0.03	<2	7	27
ZZ22294		10	<1	0.11	10	0.81	3790	2	0.03	30	1290	6	0.08	<2	7	56



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ22255		<20	0.04	<10	<10	61	<10	73
ZZ22256		<20	0.05	<10	<10	67	<10	60
ZZ22257		<20	0.02	<10	<10	53	<10	58
ZZ22258		<20	0.05	<10	<10	39	<10	61
ZZ22259		<20	0.05	<10	<10	47	<10	56
ZZ22260		<20	0.03	<10	<10	40	<10	42
ZZ22261		<20	0.04	<10	<10	54	<10	38
ZZ22262		<20	0.04	<10	<10	53	<10	46
ZZ22263		<20	0.03	<10	<10	58	<10	64
ZZ22264		<20	0.05	<10	<10	50	<10	53
ZZ22265		<20	0.04	<10	10	52	<10	79
ZZ22266		<20	0.05	<10	<10	65	<10	60
ZZ22267		<20	0.08	<10	<10	58	<10	60
ZZ22268		<20	0.07	<10	<10	55	<10	54
ZZ22269		<20	0.06	<10	<10	55	<10	57
ZZ22270		<20	0.06	<10	<10	62	<10	78
ZZ22271		<20	0.05	<10	<10	66	<10	76
ZZ22272		<20	0.05	<10	<10	64	<10	50
ZZ22273		<20	0.06	<10	10	92	<10	72
ZZ22274		<20	0.06	<10	<10	52	<10	57
ZZ22275		<20	0.09	<10	<10	121	<10	82
ZZ22276		<20	0.12	<10	<10	90	<10	107
ZZ22277		<20	0.09	<10	<10	79	<10	95
ZZ22278		<20	0.10	<10	<10	83	<10	106
ZZ22279		<20	0.11	<10	<10	91	<10	122
ZZ22280		<20	0.13	<10	<10	79	<10	91
ZZ22281		<20	0.14	<10	<10	80	<10	68
ZZ22282		<20	0.15	<10	<10	88	<10	68
ZZ22283		<20	0.09	<10	<10	74	<10	80
ZZ22284		<20	0.10	<10	<10	82	<10	88
ZZ22285		<20	0.11	<10	<10	75	<10	77
ZZ22286		<20	0.13	<10	<10	80	<10	65
ZZ22287		<20	0.14	<10	<10	146	<10	94
ZZ22288		<20	0.14	<10	<10	127	<10	86
ZZ22289		<20	0.13	<10	<10	131	<10	89
ZZ22290		<20	0.13	<10	<10	142	<10	108
ZZ22291		<20	0.10	<10	<10	107	<10	91
ZZ22292		<20	0.12	<10	<10	115	<10	110
ZZ22293		<20	0.10	<10	<10	98	<10	101
ZZ22294		<20	0.08	<10	<10	102	<10	86



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CERTIFICATE OF ANALYSIS WH11133143

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
ZZ22295		0.20	<0.001	0.3	2.26	34	<10	360	0.6	<2	0.34	<0.5	19	90	47	4.32
ZZ22296		0.18	0.001	<0.2	1.37	15	<10	130	<0.5	<2	0.18	0.6	7	32	21	3.08
ZZ22297		0.14	0.001	0.3	2.01	18	<10	200	<0.5	<2	0.32	0.7	9	46	20	4.07
ZZ22298		0.12	NSS	0.3	2.15	18	<10	220	<0.5	<2	0.24	<0.5	12	56	27	3.64
ZZ22299		0.18	0.004	0.9	1.89	43	<10	370	0.5	2	0.30	<0.5	36	47	22	3.61
ZZ22300		0.12	0.005	0.7	1.94	44	<10	520	0.5	<2	1.01	1.3	14	36	37	3.29



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ22295		10	<1	0.31	10	1.18	595	1	0.02	60	600	6	0.02	<2	9	19
ZZ22296		10	<1	0.08	10	0.34	183	1	0.01	17	460	7	0.03	<2	3	15
ZZ22297		10	<1	0.09	10	0.53	257	1	0.02	24	460	7	0.03	<2	4	24
ZZ22298		10	<1	0.13	10	0.68	444	1	0.02	30	600	9	0.03	<2	5	19
ZZ22299		10	1	0.07	10	0.57	1935	3	0.01	23	1450	10	0.08	<2	5	22
ZZ22300		10	<1	0.18	20	0.65	1225	1	0.02	25	1220	8	0.08	<2	7	72



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CERTIFICATE OF ANALYSIS WH11133143

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ22295		<20	0.16	<10	<10	122	<10	93
ZZ22296		<20	0.11	<10	<10	99	<10	48
ZZ22297		<20	0.15	<10	<10	120	<10	68
ZZ22298		<20	0.14	<10	<10	110	<10	73
ZZ22299		<20	0.07	<10	<10	93	<10	87
ZZ22300		<20	0.11	<10	<10	91	<10	116



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CERTIFICATE OF ANALYSIS WH11133143

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non- sufficient sample.



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Project: Selwyn- LLL

P.O. No.:

This report is for 82 Soil samples submitted to our lab in Whitehorse, YT, Canada on 7- JUL- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS WH11128087

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ09401		0.25	0.002	<0.2	2.44	9	<10	130	<0.5	2	0.33	<0.5	11	36	24	3.52
ZZ09402		0.17	0.005	<0.2	1.49	10	<10	150	<0.5	<2	0.26	0.5	6	23	15	2.74
ZZ09403		0.26	0.002	<0.2	1.81	10	<10	130	<0.5	<2	0.31	<0.5	8	27	17	3.26
ZZ09404		0.33	0.001	0.2	2.88	33	<10	260	0.5	<2	0.52	<0.5	10	38	26	3.51
ZZ09405		0.25	0.011	0.2	2.57	21	<10	230	0.6	<2	0.55	<0.5	14	35	29	3.96
ZZ09406		0.37	0.012	<0.2	2.57	33	<10	330	0.9	<2	0.45	<0.5	13	35	21	4.35
ZZ09407		0.19	0.012	<0.2	2.16	49	<10	910	0.8	2	0.67	<0.5	12	43	22	3.55
ZZ09408		0.24	0.008	<0.2	2.11	16	<10	170	0.5	2	0.58	<0.5	11	39	19	3.12
ZZ09409		0.21	0.011	<0.2	2.28	137	<10	120	0.9	2	0.75	<0.5	9	44	16	3.44
ZZ09410		0.07	NSS	0.3	1.78	21	<10	190	0.8	<2	1.19	0.5	8	41	25	2.43
ZZ09411		0.16	0.016	0.4	2.34	181	<10	140	0.5	2	0.56	<0.5	16	113	47	3.61
ZZ09412		0.13	0.018	0.2	2.09	55	<10	280	0.5	2	0.60	0.8	42	51	31	3.78
ZZ09413		0.21	0.007	0.5	2.26	110	<10	250	0.8	<2	0.23	0.6	22	58	33	4.31
ZZ09414		0.37	0.005	2.8	2.50	235	<10	220	0.8	3	0.35	<0.5	10	65	36	4.99
ZZ09415		0.19	0.041	0.3	1.87	73	<10	210	0.5	2	0.59	0.5	13	47	22	3.23
ZZ09416		0.22	0.052	<0.2	1.59	74	<10	190	<0.5	3	0.19	<0.5	13	28	18	3.14
ZZ09417		0.36	0.014	<0.2	2.09	15	<10	650	0.9	2	0.42	<0.5	11	22	11	4.01
ZZ09418		0.23	0.012	<0.2	2.18	7	<10	240	0.5	<2	0.51	<0.5	10	22	9	4.20
ZZ09419		0.49	0.001	<0.2	1.53	10	<10	200	0.7	2	0.28	<0.5	9	14	8	3.47
ZZ09420		0.43	0.002	<0.2	1.46	9	<10	440	0.6	<2	0.38	<0.5	9	13	6	3.86
ZZ09421		0.16	0.004	0.4	1.78	17	<10	160	<0.5	2	0.33	<0.5	5	40	16	2.28
ZZ09422		0.24	0.004	0.5	2.16	31	<10	260	0.6	2	0.33	<0.5	8	52	21	2.71
ZZ09423		0.38	0.003	0.2	2.60	45	<10	220	0.7	2	0.37	<0.5	13	65	30	3.95
ZZ09424		0.19	0.003	<0.2	2.42	36	<10	280	<0.5	<2	0.58	<0.5	15	78	22	3.59
ZZ09425		0.19	0.006	0.3	2.36	39	<10	250	0.6	2	0.32	<0.5	17	73	40	3.49
ZZ09426		0.28	0.004	<0.2	2.23	35	<10	150	0.5	2	0.93	<0.5	15	59	35	3.30
ZZ09427		0.30	0.008	<0.2	2.57	165	<10	110	0.7	2	0.28	<0.5	20	79	44	4.28
ZZ09428		0.26	0.007	<0.2	2.37	16	<10	170	0.6	<2	0.52	<0.5	10	42	15	3.30
ZZ09429		0.15	0.006	<0.2	2.21	7	<10	240	<0.5	<2	0.69	<0.5	8	41	12	3.34
ZZ09430		0.13	0.012	0.3	2.28	33	<10	490	0.7	2	0.65	<0.5	25	50	19	4.79
ZZ09431		0.17	0.008	<0.2	2.31	15	<10	170	<0.5	<2	0.45	<0.5	14	36	17	3.39
ZZ09432		0.14	0.006	0.5	2.14	29	<10	190	<0.5	<2	0.61	<0.5	12	27	21	3.06
ZZ09433		0.23	0.005	<0.2	2.50	16	<10	260	0.5	2	0.62	<0.5	17	34	24	3.46
ZZ09434		0.26	0.003	0.2	2.75	9	<10	310	0.5	<2	0.61	<0.5	13	39	29	3.63
ZZ09435		0.32	0.005	<0.2	2.28	11	<10	190	0.5	<2	0.34	<0.5	12	34	29	3.44
ZZ09436		0.20	0.005	<0.2	2.15	11	<10	180	<0.5	<2	0.41	0.5	13	33	26	3.51
ZZ09437		0.33	0.004	<0.2	1.92	10	<10	160	<0.5	<2	0.31	<0.5	9	29	27	2.77
ZZ09441		0.22	0.027	0.2	2.08	30	<10	270	0.7	<2	0.38	<0.5	16	36	27	3.25
ZZ09442		0.21	0.005	<0.2	2.44	15	<10	650	0.9	2	0.90	<0.5	16	57	23	4.10
ZZ09443		0.15	0.031	0.6	1.94	14	<10	980	0.6	<2	0.81	<0.5	4	37	23	1.72



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CERTIFICATE OF ANALYSIS WH11128087

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ09401		10	1	0.07	10	0.61	764	<1	0.04	20	530	12	0.04	3	4	24
ZZ09402		10	<1	0.05	10	0.29	383	1	0.04	12	600	9	0.08	2	3	26
ZZ09403		10	1	0.05	10	0.51	362	<1	0.03	17	710	11	0.04	3	3	25
ZZ09404		10	1	0.06	10	0.77	404	<1	0.04	20	1060	14	0.07	3	5	38
ZZ09405		10	<1	0.15	10	1.02	569	<1	0.05	14	1100	13	0.03	5	7	49
ZZ09406		10	<1	0.12	20	0.88	756	1	0.04	14	1350	18	0.04	4	8	36
ZZ09407		10	<1	0.08	20	0.74	936	1	0.04	25	910	14	0.07	4	7	38
ZZ09408		10	<1	0.07	10	0.82	671	1	0.04	18	730	15	0.04	2	6	33
ZZ09409		10	<1	0.06	20	0.74	793	1	0.05	22	760	14	0.06	4	8	40
ZZ09410		10	1	0.05	20	0.47	1030	2	0.05	17	2020	7	0.17	2	5	54
ZZ09411		10	1	0.18	10	1.24	440	<1	0.05	45	640	12	0.05	4	7	31
ZZ09412		10	<1	0.10	20	0.58	8700	2	0.05	25	1180	25	0.12	4	4	42
ZZ09413		10	1	0.10	10	0.61	1735	1	0.04	39	890	34	0.06	18	5	23
ZZ09414		10	<1	0.10	10	0.73	250	2	0.04	32	810	37	0.03	18	7	26
ZZ09415		10	1	0.07	20	0.66	1330	1	0.05	22	1060	13	0.05	6	5	35
ZZ09416		10	<1	0.11	10	0.42	3270	6	0.03	13	640	19	0.03	4	3	21
ZZ09417		10	<1	0.23	30	0.46	1190	<1	0.03	10	650	17	0.03	<2	7	46
ZZ09418		10	1	0.33	20	0.84	609	<1	0.04	12	840	11	0.02	<2	6	36
ZZ09419		10	<1	0.17	30	0.40	693	<1	0.03	8	830	17	0.01	2	4	34
ZZ09420		10	<1	0.39	30	0.53	868	<1	0.03	7	830	13	0.02	3	5	40
ZZ09421		10	1	0.08	10	0.47	144	1	0.04	18	710	11	0.07	7	4	25
ZZ09422		10	1	0.08	10	0.59	427	1	0.04	23	760	15	0.06	6	5	27
ZZ09423		10	1	0.09	10	0.81	292	1	0.05	31	730	15	0.04	5	7	29
ZZ09424		10	<1	0.11	10	0.91	776	1	0.06	27	840	10	0.07	3	6	41
ZZ09425		10	<1	0.12	20	0.79	1215	2	0.04	32	970	11	0.07	4	7	29
ZZ09426		10	1	0.09	20	0.76	777	1	0.08	28	800	7	0.09	5	6	53
ZZ09427		10	<1	0.08	10	0.89	471	1	0.05	41	420	9	0.03	4	6	25
ZZ09428		10	<1	0.07	10	0.86	224	<1	0.04	19	1020	14	0.04	2	6	32
ZZ09429		10	<1	0.06	10	0.78	203	<1	0.05	14	1300	11	0.04	2	6	36
ZZ09430		10	<1	0.08	20	0.65	3340	2	0.04	19	1870	11	0.10	5	8	39
ZZ09431		10	1	0.09	10	0.86	442	<1	0.05	17	1040	10	0.05	3	6	32
ZZ09432		10	1	0.06	10	0.76	751	<1	0.04	11	840	8	0.06	4	6	41
ZZ09433		10	1	0.06	20	0.63	1065	1	0.04	19	990	13	0.10	2	5	45
ZZ09434		10	<1	0.07	20	0.80	564	<1	0.05	22	1030	16	0.07	4	7	46
ZZ09435		10	<1	0.06	10	0.70	658	<1	0.04	23	880	11	0.04	<2	5	27
ZZ09436		10	<1	0.07	10	0.71	656	<1	0.04	22	1010	12	0.04	4	5	30
ZZ09437		10	<1	0.06	10	0.59	472	1	0.03	24	640	10	0.03	<2	4	25
ZZ09441		10	<1	0.09	10	0.67	870	3	0.03	28	820	14	0.03	2	8	35
ZZ09442		10	1	0.18	20	1.48	859	1	0.03	12	1490	7	0.03	<2	10	42
ZZ09443		10	1	0.05	10	0.45	168	1	0.02	23	1900	10	0.15	2	5	43



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ09401		<20	0.10	<10	<10	87	<10	62
ZZ09402		<20	0.09	<10	<10	83	<10	62
ZZ09403		<20	0.09	<10	<10	76	<10	73
ZZ09404		<20	0.06	<10	<10	89	<10	81
ZZ09405		<20	0.16	<10	<10	114	<10	88
ZZ09406		<20	0.09	<10	<10	113	<10	86
ZZ09407		<20	0.06	<10	<10	92	<10	87
ZZ09408		<20	0.11	<10	<10	80	<10	79
ZZ09409		<20	0.06	<10	<10	82	<10	74
ZZ09410		<20	0.05	<10	<10	52	<10	64
ZZ09411		<20	0.09	<10	<10	77	<10	84
ZZ09412		<20	0.06	<10	<10	75	<10	96
ZZ09413		<20	0.06	<10	<10	90	<10	137
ZZ09414		<20	0.06	<10	<10	132	<10	138
ZZ09415		<20	0.06	<10	<10	71	<10	93
ZZ09416		<20	0.07	<10	10	74	<10	80
ZZ09417		20	0.04	<10	<10	63	<10	70
ZZ09418		<20	0.20	<10	<10	81	<10	103
ZZ09419		20	0.05	<10	<10	48	<10	71
ZZ09420		20	0.11	<10	<10	56	<10	100
ZZ09421		<20	0.05	<10	<10	55	<10	70
ZZ09422		<20	0.04	<10	<10	64	<10	87
ZZ09423		<20	0.09	<10	<10	90	<10	95
ZZ09424		<20	0.11	<10	<10	98	<10	102
ZZ09425		<20	0.10	<10	<10	104	<10	104
ZZ09426		<20	0.10	<10	<10	78	<10	84
ZZ09427		<20	0.09	<10	<10	85	<10	65
ZZ09428		<20	0.11	<10	<10	88	<10	80
ZZ09429		<20	0.14	<10	<10	72	<10	62
ZZ09430		<20	0.06	<10	<10	88	<10	67
ZZ09431		<20	0.14	<10	<10	96	<10	67
ZZ09432		<20	0.09	<10	<10	81	<10	72
ZZ09433		<20	0.07	<10	<10	81	<10	67
ZZ09434		<20	0.08	<10	<10	91	<10	82
ZZ09435		<20	0.09	<10	<10	83	<10	79
ZZ09436		<20	0.09	<10	<10	82	<10	82
ZZ09437		<20	0.10	<10	<10	66	<10	58
ZZ09441		<20	0.09	<10	<10	85	<10	71
ZZ09442		<20	0.12	<10	<10	137	<10	64
ZZ09443		<20	0.03	<10	<10	40	<10	57



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ09444		0.25	0.012	<0.2	1.78	38	<10	230	0.7	<2	0.46	<0.5	9	38	17	2.80
ZZ09445		0.14	0.012	0.2	0.68	6	<10	120	<0.5	<2	0.55	<0.5	2	16	9	1.33
ZZ09446		0.19	0.012	<0.2	1.83	21	<10	120	0.7	<2	0.54	<0.5	11	35	22	3.29
ZZ09447		0.23	0.009	0.2	1.85	17	<10	100	0.5	<2	0.34	<0.5	8	38	16	2.68
ZZ09448		0.22	0.022	<0.2	1.66	66	<10	120	0.7	<2	0.38	<0.5	9	30	14	2.90
ZZ09449		0.15	0.004	<0.2	0.59	9	<10	40	<0.5	<2	0.19	<0.5	2	15	8	1.17
ZZ09450		0.20	0.008	<0.2	2.01	25	<10	150	0.6	<2	0.61	<0.5	11	47	17	3.16
ZZ09451		0.19	0.013	0.2	2.01	40	<10	100	0.8	<2	0.32	<0.5	11	36	22	3.16
ZZ09452		0.24	0.008	0.2	1.82	18	<10	140	0.5	<2	0.49	<0.5	7	32	13	2.47
ZZ09453		0.27	0.006	<0.2	2.06	8	<10	160	0.6	<2	0.65	<0.5	11	38	20	2.73
ZZ09454		0.22	0.007	<0.2	1.82	13	<10	260	0.5	<2	0.54	<0.5	7	35	12	2.36
ZZ09455		0.18	0.009	0.2	1.99	62	<10	650	0.5	<2	0.49	<0.5	13	34	12	3.81
ZZ09456		0.26	0.006	<0.2	2.01	23	<10	190	0.5	<2	0.52	<0.5	9	34	16	3.25
ZZ09457		0.16	0.015	0.3	2.35	14	<10	180	0.5	<2	0.27	<0.5	9	36	25	2.63
ZZ09458		0.15	0.010	<0.2	2.04	12	<10	110	0.5	<2	0.32	0.5	9	27	15	2.79
ZZ09459		0.25	0.011	<0.2	2.25	35	<10	210	<0.5	<2	0.49	<0.5	21	33	23	3.39
ZZ09460		0.28	0.005	0.4	2.55	76	<10	220	0.5	<2	0.49	<0.5	10	34	26	3.90
ZZ09461		0.33	0.004	0.4	2.47	46	<10	240	0.5	<2	0.51	<0.5	12	33	30	3.26
ZZ09462		0.18	0.003	<0.2	1.91	20	<10	140	<0.5	<2	0.24	<0.5	7	28	17	3.14
ZZ09463		0.17	0.004	<0.2	2.01	11	<10	110	<0.5	<2	0.25	<0.5	10	27	17	3.02
ZZ09464		0.37	0.011	<0.2	1.69	9	<10	190	<0.5	2	0.43	<0.5	10	29	24	2.87
ZZ09465		0.41	0.004	<0.2	1.54	9	<10	160	<0.5	<2	0.55	<0.5	10	28	23	2.86
ZZ09466		0.26	0.003	<0.2	2.06	12	<10	170	<0.5	2	0.39	<0.5	11	29	24	3.23
ZZ09467		0.22	0.005	<0.2	2.39	10	<10	200	0.5	<2	0.30	<0.5	12	36	27	3.36
ZZ09468		0.26	0.003	<0.2	2.08	14	<10	140	0.5	<2	0.29	<0.5	11	31	24	3.01
ZZ09469		0.26	0.005	0.2	1.92	14	<10	140	<0.5	<2	0.26	<0.5	9	28	17	2.97
ZZ09470		0.23	0.004	<0.2	1.70	11	<10	180	<0.5	<2	0.24	<0.5	8	27	18	3.33
ZZ09471		0.27	0.008	<0.2	1.77	67	<10	120	<0.5	<2	0.30	<0.5	7	50	18	2.59
ZZ09472		0.24	0.006	0.2	2.05	31	<10	190	0.5	<2	0.28	<0.5	12	54	29	2.81
ZZ09473		0.23	0.004	<0.2	2.04	60	<10	130	0.5	<2	0.24	<0.5	9	43	22	3.14
ZZ09474		0.13	0.003	<0.2	2.31	12	<10	320	0.5	2	0.38	0.7	9	33	24	2.11
ZZ09475		0.17	0.007	0.2	2.04	6	<10	440	1.7	<2	0.90	<0.5	8	19	20	3.03
ZZ09476		0.24	0.004	<0.2	2.03	7	<10	200	0.8	<2	0.28	<0.5	10	17	9	3.64
ZZ09477		0.17	0.010	0.2	1.73	8	<10	260	0.6	<2	0.33	<0.5	8	19	11	2.73
ZZ09478		0.25	0.002	<0.2	1.43	3	<10	330	0.6	<2	0.36	<0.5	6	15	11	2.45
ZZ09479		0.30	0.003	<0.2	2.50	11	<10	160	0.5	<2	0.31	<0.5	10	35	16	3.47
ZZ09480		0.21	0.004	<0.2	3.34	11	<10	150	0.9	<2	0.17	<0.5	14	37	13	4.30
ZZ09481		0.10	0.005	0.2	2.36	17	<10	200	0.5	<2	0.20	<0.5	14	45	35	3.60
ZZ09482		0.12	0.004	<0.2	2.11	15	<10	280	<0.5	<2	0.45	<0.5	13	40	32	3.56
ZZ09483		0.17	0.004	<0.2	2.39	12	<10	210	0.5	<2	0.28	<0.5	13	42	29	3.39



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ09444		10	<1	0.08	10	0.61	447	1	0.02	24	910	8	0.03	2	6	24
ZZ09445		<10	1	0.04	10	0.13	67	2	0.03	5	590	8	0.08	<2	2	35
ZZ09446		10	<1	0.05	10	0.75	453	2	0.02	15	670	16	0.04	<2	6	30
ZZ09447		10	<1	0.05	10	0.62	320	<1	0.02	21	380	14	0.03	2	6	23
ZZ09448		<10	<1	0.09	10	0.52	610	2	0.02	19	640	17	0.04	4	6	26
ZZ09449		<10	<1	0.03	<10	0.13	69	1	0.03	6	470	7	0.05	<2	1	18
ZZ09450		10	<1	0.10	10	0.89	746	1	0.03	31	1000	10	0.04	<2	5	33
ZZ09451		10	1	0.05	20	0.57	639	1	0.02	19	530	15	0.04	3	8	24
ZZ09452		10	1	0.06	10	0.69	183	1	0.03	17	570	14	0.04	<2	6	30
ZZ09453		10	1	0.05	20	0.87	331	1	0.03	16	1230	12	0.04	<2	7	36
ZZ09454		10	1	0.08	10	0.72	400	1	0.03	16	940	12	0.03	3	6	27
ZZ09455		10	1	0.07	10	0.67	1120	2	0.02	17	1140	14	0.04	2	6	26
ZZ09456		10	<1	0.07	10	0.87	247	1	0.02	15	1300	9	0.03	2	6	25
ZZ09457		10	<1	0.07	10	0.62	155	1	0.02	21	700	14	0.04	2	7	22
ZZ09458		10	<1	0.06	10	0.59	251	1	0.02	12	560	9	0.05	<2	4	30
ZZ09459		10	<1	0.09	10	0.86	1420	1	0.03	14	900	11	0.05	2	5	37
ZZ09460		10	1	0.06	10	0.66	321	1	0.02	18	1040	10	0.08	<2	5	39
ZZ09461		10	1	0.06	10	0.66	643	1	0.02	19	950	19	0.07	<2	5	37
ZZ09462		10	<1	0.05	10	0.45	410	1	0.02	15	480	15	0.03	<2	4	23
ZZ09463		10	<1	0.06	10	0.46	426	1	0.02	17	620	11	0.03	<2	3	21
ZZ09464		<10	<1	0.05	10	0.63	517	<1	0.03	21	870	7	0.02	<2	5	28
ZZ09465		10	<1	0.07	10	0.67	532	<1	0.03	17	980	9	0.02	<2	5	30
ZZ09466		10	<1	0.06	10	0.61	611	1	0.02	20	910	13	0.05	2	4	27
ZZ09467		10	<1	0.06	10	0.68	590	<1	0.02	22	640	11	0.04	<2	5	25
ZZ09468		10	<1	0.06	10	0.64	862	<1	0.02	19	680	13	0.03	<2	5	22
ZZ09469		10	<1	0.05	10	0.57	449	1	0.02	16	630	10	0.05	<2	3	23
ZZ09470		10	<1	0.05	10	0.53	363	1	0.02	16	390	9	0.04	<2	3	22
ZZ09471		10	1	0.06	10	0.69	178	1	0.02	21	730	9	0.05	<2	4	22
ZZ09472		10	<1	0.07	20	0.79	232	1	0.03	28	640	10	0.03	<2	6	21
ZZ09473		10	1	0.06	10	0.58	227	1	0.02	20	810	9	0.04	<2	4	18
ZZ09474		10	<1	0.07	20	0.53	242	2	0.02	22	1000	11	0.09	2	6	29
ZZ09475		10	<1	0.16	290	0.46	1295	1	0.02	12	740	14	0.06	<2	8	73
ZZ09476		10	<1	0.25	20	0.66	798	<1	0.01	11	510	14	0.01	<2	5	22
ZZ09477		10	<1	0.14	40	0.39	752	1	0.01	9	450	13	0.02	<2	4	29
ZZ09478		10	<1	0.20	40	0.44	497	<1	0.01	8	300	10	0.01	<2	5	34
ZZ09479		10	<1	0.12	10	0.72	392	1	0.01	22	370	11	0.01	<2	5	26
ZZ09480		10	1	0.16	10	0.77	984	1	0.01	17	630	13	0.01	<2	6	15
ZZ09481		10	<1	0.09	10	0.68	516	1	0.01	34	640	10	0.05	<2	4	16
ZZ09482		10	<1	0.12	10	0.78	967	1	0.01	25	600	11	0.04	<2	5	32
ZZ09483		10	<1	0.09	10	0.58	655	1	0.01	25	570	9	0.04	<2	4	22



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ09444		<20	0.07	<10	<10	73	<10	69
ZZ09445		<20	0.06	<10	<10	48	<10	18
ZZ09446		<20	0.08	<10	<10	86	<10	73
ZZ09447		<20	0.08	<10	<10	67	<10	67
ZZ09448		<20	0.05	<10	<10	67	<10	77
ZZ09449		<20	0.04	<10	<10	39	<10	24
ZZ09450		<20	0.17	<10	<10	75	<10	67
ZZ09451		<20	0.07	<10	<10	77	<10	65
ZZ09452		<20	0.08	<10	<10	68	<10	82
ZZ09453		<20	0.12	<10	<10	84	<10	63
ZZ09454		<20	0.11	<10	<10	69	<10	67
ZZ09455		<20	0.06	<10	<10	96	<10	79
ZZ09456		<20	0.11	<10	<10	88	<10	68
ZZ09457		<20	0.09	<10	<10	76	<10	57
ZZ09458		<20	0.12	<10	<10	82	<10	45
ZZ09459		<20	0.14	<10	<10	100	<10	84
ZZ09460		<20	0.06	<10	<10	84	<10	71
ZZ09461		<20	0.06	<10	<10	82	<10	81
ZZ09462		<20	0.09	<10	<10	91	<10	62
ZZ09463		<20	0.09	<10	<10	80	<10	55
ZZ09464		<20	0.10	<10	<10	73	<10	62
ZZ09465		<20	0.12	<10	<10	74	<10	71
ZZ09466		<20	0.08	<10	<10	79	<10	66
ZZ09467		<20	0.09	<10	<10	84	<10	72
ZZ09468		<20	0.09	<10	<10	72	<10	67
ZZ09469		<20	0.06	<10	<10	69	<10	61
ZZ09470		<20	0.08	<10	<10	77	<10	48
ZZ09471		<20	0.08	<10	<10	60	<10	64
ZZ09472		<20	0.09	<10	<10	70	<10	69
ZZ09473		<20	0.07	<10	<10	65	<10	57
ZZ09474		<20	0.04	<10	<10	54	<10	144
ZZ09475		20	0.07	<10	<10	51	<10	63
ZZ09476		<20	0.13	<10	<10	60	<10	89
ZZ09477		<20	0.09	<10	<10	62	<10	62
ZZ09478		<20	0.11	<10	<10	53	<10	69
ZZ09479		<20	0.12	<10	<10	78	<10	62
ZZ09480		20	0.12	<10	<10	76	<10	80
ZZ09481		<20	0.08	<10	<10	78	<10	67
ZZ09482		<20	0.10	<10	<10	101	<10	84
ZZ09483		<20	0.10	<10	<10	90	<10	64



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Sample Description	Method Analyte Units LOR	WEI- 21	Au- ICP21	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu
		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
ZZ09484		0.11	0.005	0.3	2.18	20	<10	330	0.6	<2	0.36	0.6	15	49	43
ZZ09485		0.23	0.003	0.2	2.73	24	<10	580	0.7	<2	0.45	<0.5	16	66	50



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
ZZ09484		10	<1	0.12	10	0.67	819	1	0.01	34	750	14	0.04	<2	6
ZZ09485		10	<1	0.15	20	0.98	793	1	0.02	40	840	14	0.02	<2	8



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CERTIFICATE OF ANALYSIS WH11128087

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
ZZ09484		<20	0.07	<10	<10	89	<10	110
ZZ09485		<20	0.10	<10	<10	109	<10	116



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Method	CERTIFICATE COMMENTS
ALL METHODS ME- ICP41	NSS is non- sufficient sample. Uranium ICP- AES results reported below 250 ppm are considered to be semi- quantitative due to interference when Ce > 250 ppm



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CERTIFICATE WH11127773

Project: LLL
P.O. No.:
This report is for 165 Soil samples submitted to our lab in Whitehorse, YT, Canada on 7-JUL- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS WH11127773

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ09221		0.34	0.037	0.6	2.25	347	<10	120	0.7	<2	0.21	<0.5	15	38	64	4.29
ZZ09222		0.19	0.007	<0.2	2.14	21	<10	280	0.5	<2	0.66	<0.5	10	38	15	3.03
ZZ09223		0.24	0.007	<0.2	2.24	32	<10	400	0.5	<2	0.58	<0.5	9	41	12	4.23
ZZ09224		0.45	0.005	<0.2	2.18	18	<10	200	<0.5	<2	0.48	<0.5	12	33	29	3.06
ZZ09225		0.31	0.004	<0.2	2.14	12	<10	190	<0.5	<2	0.43	<0.5	11	32	20	2.81
ZZ09226		0.42	0.005	0.2	2.59	12	<10	250	0.5	<2	0.43	<0.5	11	36	22	2.87
ZZ09227		0.58	0.003	0.2	2.34	14	<10	220	0.5	<2	0.54	<0.5	12	33	25	3.35
ZZ09228		0.19	0.007	0.4	2.22	8	<10	310	<0.5	<2	0.91	<0.5	7	33	21	2.59
ZZ09229		0.13	0.002	<0.2	2.03	3	<10	360	<0.5	<2	0.58	<0.5	6	37	16	2.05
ZZ09230		0.47	0.005	0.2	2.46	13	<10	280	0.5	<2	0.46	<0.5	13	44	34	3.42
ZZ09231		0.18	0.012	0.8	1.66	62	<10	640	0.5	<2	0.43	<0.5	29	46	19	4.59
ZZ09232		0.49	0.003	0.2	2.70	21	<10	270	0.7	<2	0.56	<0.5	11	40	43	3.50
ZZ09233		0.28	0.006	<0.2	1.42	16	<10	190	<0.5	<2	0.27	<0.5	9	27	22	3.24
ZZ09234		0.27	0.004	<0.2	2.33	31	<10	180	0.5	<2	0.19	<0.5	11	37	29	3.35
ZZ09235		0.30	0.003	<0.2	1.71	16	<10	180	0.5	<2	0.29	<0.5	8	32	21	3.65
ZZ09236		0.21	0.004	0.2	1.06	9	<10	110	<0.5	<2	0.20	<0.5	5	22	18	1.85
ZZ09237		0.30	0.005	0.2	2.17	15	<10	170	0.6	<2	0.34	<0.5	10	41	41	3.03
ZZ09238		0.35	0.002	<0.2	2.46	22	<10	120	0.6	<2	0.14	<0.5	13	34	56	3.60
ZZ09239		0.33	0.003	<0.2	2.50	23	<10	120	0.7	<2	0.14	<0.5	13	65	30	3.72
ZZ09240		0.37	0.003	0.2	2.12	18	<10	140	0.5	<2	0.15	<0.5	10	37	22	3.61
ZZ09241		0.20	0.016	0.2	1.59	39	<10	220	<0.5	<2	0.13	<0.5	6	38	26	3.29
ZZ09242		0.33	0.005	0.3	3.01	92	<10	360	0.6	<2	0.13	<0.5	12	42	44	3.88
ZZ09243		0.26	0.003	<0.2	1.92	23	<10	100	<0.5	<2	0.16	<0.5	7	37	26	3.33
ZZ09244		0.36	0.007	0.5	2.44	52	<10	540	0.6	<2	0.33	<0.5	9	39	44	3.34
ZZ09245		0.32	0.005	0.3	2.49	54	<10	210	0.5	<2	0.20	<0.5	14	46	36	4.39
ZZ09246		0.26	0.004	0.2	1.75	67	<10	250	0.5	<2	0.39	<0.5	9	34	29	3.21
ZZ09247		0.22	0.005	<0.2	2.06	29	<10	170	0.6	<2	0.22	<0.5	10	41	27	3.69
ZZ09248		0.31	0.003	0.3	2.79	142	<10	150	0.7	<2	0.15	<0.5	15	43	37	4.34
ZZ09249		0.26	0.004	<0.2	2.61	17	<10	140	0.5	<2	0.19	<0.5	10	32	27	3.73
ZZ09250		0.36	0.004	<0.2	3.18	97	<10	250	1.0	<2	0.24	<0.5	18	72	60	4.09
ZZ09251		0.27	0.004	<0.2	2.09	12	<10	170	0.5	<2	0.34	<0.5	13	29	28	3.30
ZZ09252		0.18	0.005	<0.2	2.37	8	<10	210	<0.5	<2	0.38	<0.5	8	35	24	2.18
ZZ09253		0.29	0.006	<0.2	2.50	9	<10	220	0.5	<2	0.36	<0.5	10	37	24	2.52
ZZ09254		0.23	0.011	0.3	2.30	17	<10	260	0.5	<2	0.68	<0.5	21	39	26	3.36
ZZ09255		0.26	0.002	0.2	2.16	26	<10	190	0.5	<2	0.72	<0.5	11	29	28	2.91
ZZ09256		0.22	0.009	0.3	2.62	58	<10	320	0.6	<2	0.66	<0.5	23	39	30	4.32
ZZ09257		0.29	0.007	0.2	2.25	16	<10	200	0.5	<2	0.61	<0.5	8	41	26	2.34
ZZ09258		0.30	0.008	0.2	2.32	23	<10	150	0.6	<2	0.49	<0.5	11	39	25	3.31
ZZ09259		0.23	0.006	<0.2	2.80	15	<10	130	0.6	<2	0.38	<0.5	14	40	21	3.48
ZZ09260		0.27	0.005	0.2	2.41	18	<10	180	0.5	<2	0.34	<0.5	14	34	22	3.99



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To: ARCHER, CATHRO AND ASSOCIATES (1981)
LIMITED
1016- 510 W HASTINGS ST
VANCOUVER BC V6B 1L8

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CERTIFICATE OF ANALYSIS WH11127773

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ09221		10	<1	0.08	20	0.48	366	3	0.02	21	480	19	0.04	2	5	21
ZZ09222		10	1	0.09	10	0.69	1465	1	0.03	19	970	11	0.04	<2	6	37
ZZ09223		10	1	0.11	10	0.90	325	1	0.03	16	1280	13	0.03	2	7	32
ZZ09224		10	<1	0.07	10	0.81	310	<1	0.03	16	900	12	0.02	<2	7	26
ZZ09225		10	<1	0.06	10	0.66	1025	1	0.01	20	810	12	0.03	2	4	26
ZZ09226		10	1	0.07	10	0.76	284	1	0.01	17	850	16	0.03	2	7	23
ZZ09227		10	<1	0.07	10	0.88	559	1	0.02	17	950	17	0.02	2	7	32
ZZ09228		10	<1	0.06	10	0.61	300	1	0.02	16	1120	11	0.10	2	6	53
ZZ09229		10	<1	0.05	10	0.56	299	1	0.01	15	720	14	0.06	<2	4	35
ZZ09230		10	<1	0.08	20	0.83	346	1	0.02	26	880	13	0.03	2	9	26
ZZ09231		<10	1	0.05	10	0.31	2740	4	0.02	15	2200	13	0.18	<2	3	31
ZZ09232		10	<1	0.08	30	0.77	366	2	0.01	22	1150	9	0.06	2	10	28
ZZ09233		10	1	0.08	10	0.37	560	2	0.01	14	480	14	0.04	2	4	23
ZZ09234		10	<1	0.07	10	0.58	481	1	0.01	30	490	13	0.05	<2	4	16
ZZ09235		10	1	0.08	10	0.44	457	2	0.01	18	460	14	0.04	2	3	21
ZZ09236		<10	<1	0.05	10	0.22	189	1	0.02	14	740	6	0.09	2	1	18
ZZ09237		10	<1	0.08	20	0.61	256	1	0.02	32	780	24	0.03	<2	6	21
ZZ09238		10	<1	0.08	20	0.59	620	1	0.01	26	430	23	0.03	2	4	12
ZZ09239		10	<1	0.12	10	0.76	486	1	0.01	34	450	16	0.05	2	5	13
ZZ09240		10	<1	0.07	10	0.47	426	2	0.01	25	480	18	0.04	<2	3	14
ZZ09241		10	<1	0.07	10	0.33	292	2	0.01	21	430	12	0.04	<2	3	13
ZZ09242		10	1	0.08	10	0.53	534	2	0.01	31	730	13	0.05	<2	4	13
ZZ09243		10	1	0.08	10	0.41	298	2	0.01	17	640	11	0.03	<2	4	14
ZZ09244		10	<1	0.10	10	0.61	419	2	0.01	29	860	13	0.03	2	7	21
ZZ09245		10	<1	0.13	10	0.66	526	2	0.01	32	550	14	0.04	3	6	15
ZZ09246		10	<1	0.10	10	0.43	363	1	0.01	23	580	13	0.04	2	4	26
ZZ09247		10	<1	0.09	10	0.57	470	1	0.01	27	420	13	0.03	3	4	17
ZZ09248		10	<1	0.07	10	0.56	475	1	0.01	32	360	15	0.03	2	5	12
ZZ09249		10	1	0.06	10	0.61	476	2	0.01	20	560	11	0.06	<2	4	17
ZZ09250		10	1	0.13	20	0.94	621	1	0.01	64	460	10	0.02	2	8	16
ZZ09251		10	<1	0.06	10	0.72	797	1	0.02	21	990	13	0.06	<2	4	23
ZZ09252		10	1	0.05	10	0.59	179	1	0.01	20	840	16	0.06	<2	5	25
ZZ09253		10	1	0.05	20	0.66	217	1	0.01	22	850	17	0.03	3	6	23
ZZ09254		10	<1	0.06	10	0.61	2670	2	0.02	19	1220	15	0.10	<2	7	39
ZZ09255		10	<1	0.06	10	0.73	1015	1	0.02	16	1050	9	0.09	3	6	35
ZZ09256		10	<1	0.06	20	0.76	3950	2	0.02	19	1240	13	0.09	<2	8	36
ZZ09257		10	<1	0.07	10	0.68	291	1	0.02	17	1090	12	0.11	<2	5	37
ZZ09258		10	<1	0.10	10	0.90	333	1	0.03	17	900	9	0.05	<2	6	34
ZZ09259		10	<1	0.07	10	0.77	414	1	0.02	21	600	9	0.03	2	4	46
ZZ09260		10	<1	0.11	10	0.78	891	1	0.06	16	740	13	0.04	<2	4	32



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ09221		<20	0.08	<10	<10	83	<10	62
ZZ09222		<20	0.08	<10	<10	69	<10	74
ZZ09223		<20	0.12	<10	<10	98	<10	88
ZZ09224		<20	0.12	<10	<10	84	<10	79
ZZ09225		<20	0.09	<10	<10	70	<10	68
ZZ09226		<20	0.08	<10	<10	86	<10	77
ZZ09227		<20	0.08	<10	<10	83	<10	80
ZZ09228		<20	0.05	<10	<10	62	<10	68
ZZ09229		<20	0.06	<10	<10	58	<10	60
ZZ09230		<20	0.09	<10	<10	85	<10	87
ZZ09231		<20	0.03	<10	<10	74	<10	52
ZZ09232		<20	0.06	<10	<10	85	<10	72
ZZ09233		<20	0.10	<10	<10	104	<10	55
ZZ09234		<20	0.09	<10	<10	75	<10	69
ZZ09235		<20	0.09	<10	<10	83	<10	58
ZZ09236		<20	0.04	<10	<10	42	<10	37
ZZ09237		<20	0.10	<10	<10	68	<10	81
ZZ09238		<20	0.05	<10	<10	66	<10	65
ZZ09239		<20	0.08	<10	<10	78	<10	76
ZZ09240		<20	0.08	<10	<10	77	<10	59
ZZ09241		<20	0.09	<10	<10	111	<10	57
ZZ09242		<20	0.06	<10	<10	78	<10	112
ZZ09243		<20	0.07	<10	<10	84	<10	56
ZZ09244		<20	0.06	<10	<10	80	<10	95
ZZ09245		<20	0.12	<10	<10	98	<10	87
ZZ09246		<20	0.06	<10	<10	74	<10	65
ZZ09247		<20	0.08	<10	<10	77	<10	65
ZZ09248		<20	0.07	<10	<10	76	<10	85
ZZ09249		<20	0.10	<10	<10	97	<10	63
ZZ09250		<20	0.14	<10	<10	95	<10	108
ZZ09251		<20	0.05	<10	<10	76	<10	85
ZZ09252		<20	0.07	<10	<10	60	<10	59
ZZ09253		<20	0.08	<10	<10	79	<10	67
ZZ09254		<20	0.06	<10	<10	81	<10	68
ZZ09255		<20	0.06	<10	<10	71	<10	76
ZZ09256		<20	0.07	<10	<10	91	<10	70
ZZ09257		<20	0.09	<10	<10	66	<10	64
ZZ09258		<20	0.15	<10	<10	96	<10	63
ZZ09259		<20	0.16	<10	<10	98	<10	57
ZZ09260		<20	0.11	<10	<10	102	<10	71



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ09261		0.23	0.005	<0.2	2.05	10	<10	70	<0.5	<2	0.14	<0.5	6	29	19	3.20
ZZ09262		0.42	0.008	<0.2	1.97	14	<10	520	0.6	<2	0.37	<0.5	10	31	24	3.13
ZZ09263		0.28	0.014	<0.2	1.72	43	<10	330	0.5	<2	0.58	<0.5	12	40	25	2.91
ZZ09264		0.20	0.014	<0.2	1.80	39	<10	300	0.5	<2	0.28	<0.5	9	38	17	2.90
ZZ09265		0.33	0.017	<0.2	1.67	20	<10	100	<0.5	<2	0.26	<0.5	7	29	11	2.78
ZZ09266		0.18	0.007	<0.2	0.98	9	<10	140	<0.5	<2	0.31	1.6	8	22	17	2.69
ZZ09267		0.19	0.020	<0.2	1.86	43	<10	130	0.7	<2	0.50	0.7	13	29	21	3.39
ZZ09268		0.23	0.027	<0.2	1.28	44	<10	220	0.5	<2	0.51	<0.5	7	29	11	2.17
ZZ09269		0.33	0.021	<0.2	1.73	80	<10	460	0.8	<2	0.74	<0.5	8	40	20	2.57
ZZ09270		0.18	0.004	<0.2	1.92	10	<10	170	<0.5	<2	0.23	<0.5	11	29	19	3.05
ZZ09271		0.25	0.001	<0.2	1.93	8	<10	190	<0.5	<2	0.35	<0.5	11	30	25	2.96
ZZ09272		0.48	<0.001	<0.2	2.04	10	<10	170	0.5	<2	0.38	<0.5	15	30	23	3.01
ZZ09273		0.26	<0.001	<0.2	2.32	14	<10	250	<0.5	<2	0.56	<0.5	14	34	18	3.61
ZZ09274		0.51	<0.001	<0.2	2.30	16	<10	190	0.5	<2	0.34	<0.5	13	33	23	3.24
ZZ09275		0.24	0.001	0.2	2.47	9	<10	210	<0.5	<2	0.48	<0.5	12	38	20	3.07
ZZ09276		0.69	0.002	<0.2	2.26	11	<10	220	0.5	<2	0.36	<0.5	14	32	28	2.88
ZZ09277		0.35	0.006	0.4	2.54	41	<10	290	<0.5	<2	0.56	<0.5	11	31	35	4.11
ZZ09278		0.36	0.004	<0.2	1.95	32	<10	490	0.5	<2	0.45	<0.5	12	37	14	3.08
ZZ09279		0.49	0.006	<0.2	2.15	27	<10	230	0.8	<2	0.63	<0.5	13	45	23	3.80
ZZ09280		0.26	<0.001	<0.2	2.38	11	<10	90	0.5	<2	0.20	<0.5	9	33	15	3.16
ZZ09281		0.40	0.025	0.8	3.10	675	<10	120	0.6	<2	0.54	<0.5	21	216	194	4.59
ZZ09282		0.23	0.021	0.5	1.91	119	<10	150	0.8	<2	1.22	<0.5	13	72	43	3.30
ZZ09283		0.22	0.001	<0.2	2.20	35	<10	160	0.5	<2	0.53	<0.5	15	66	28	3.27
ZZ09284		0.17	<0.001	<0.2	1.79	26	<10	180	<0.5	<2	0.55	<0.5	12	52	22	2.69
ZZ09285		0.21	0.001	<0.2	2.10	36	<10	170	<0.5	<2	0.44	<0.5	19	52	22	3.18
ZZ09286		0.22	<0.001	<0.2	1.69	42	<10	230	0.6	<2	0.49	<0.5	33	45	30	3.90
ZZ09287		0.19	0.011	0.2	1.72	22	<10	210	<0.5	<2	0.28	<0.5	23	39	18	2.73
ZZ09288		0.52	<0.001	<0.2	2.20	29	<10	190	0.6	<2	0.31	<0.5	9	39	18	2.86
ZZ09289		0.35	0.006	<0.2	1.88	17	<10	360	0.7	<2	0.65	<0.5	10	36	31	2.26
ZZ09290		0.44	<0.001	<0.2	1.08	6	<10	280	1.0	<2	0.38	<0.5	10	10	8	4.58
ZZ09291		0.45	0.011	<0.2	1.83	38	<10	160	<0.5	<2	0.45	<0.5	11	48	20	3.00
ZZ09292		0.29	<0.001	<0.2	2.07	42	<10	340	0.7	<2	0.57	<0.5	13	39	17	4.30
ZZ09293		0.26	0.006	<0.2	1.91	21	<10	190	0.7	<2	0.31	<0.5	13	32	12	3.54
ZZ09294		0.22	0.001	<0.2	2.08	43	<10	180	0.5	<2	0.28	<0.5	10	45	16	2.67
ZZ09295		0.50	0.017	<0.2	2.24	68	<10	170	0.5	<2	0.30	<0.5	10	51	22	2.94
ZZ09296		0.33	0.001	<0.2	2.10	71	<10	180	<0.5	<2	0.36	<0.5	11	53	19	3.07
ZZ09297		0.21	0.003	<0.2	2.09	145	<10	160	0.5	<2	0.27	<0.5	12	56	24	3.29
ZZ09298		0.20	0.003	<0.2	2.11	164	<10	260	0.5	<2	0.44	<0.5	16	60	27	3.71
ZZ09299		0.23	0.002	0.6	2.51	34	<10	210	0.6	<2	0.80	<0.5	14	72	43	2.97
ZZ09300		0.47	0.006	<0.2	2.72	127	<10	140	0.6	<2	0.34	<0.5	21	124	33	3.67



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ZZ09261		10	<1	0.03	10	0.26	188	2	<0.01	15	330	14	0.01	2	3	17
ZZ09262		10	<1	0.08	10	0.67	398	1	<0.01	15	870	11	0.01	2	5	25
ZZ09263		10	1	0.07	10	0.65	568	3	<0.01	26	740	13	0.05	4	5	32
ZZ09264		10	1	0.08	10	0.44	738	2	<0.01	25	520	10	0.02	2	5	20
ZZ09265		10	1	0.04	10	0.35	297	1	<0.01	13	510	14	0.02	<2	3	19
ZZ09266		10	1	0.05	10	0.20	395	11	<0.01	12	570	11	0.03	<2	2	27
ZZ09267		10	1	0.05	10	0.57	1070	2	<0.01	17	1060	35	0.05	3	4	27
ZZ09268		<10	<1	0.09	10	0.41	441	1	<0.01	19	690	19	0.01	5	5	21
ZZ09269		10	1	0.11	10	0.50	416	2	<0.01	29	710	15	0.04	2	8	29
ZZ09270		10	<1	0.05	10	0.52	343	1	<0.01	21	350	10	0.01	<2	3	20
ZZ09271		10	1	0.06	10	0.65	520	<1	<0.01	21	800	8	<0.01	<2	5	23
ZZ09272		10	1	0.06	10	0.67	448	<1	<0.01	19	810	12	<0.01	2	5	24
ZZ09273		10	<1	0.06	10	0.80	423	1	<0.01	22	590	15	0.01	2	5	31
ZZ09274		10	1	0.06	10	0.70	458	<1	<0.01	20	820	13	<0.01	3	5	20
ZZ09275		10	<1	0.06	10	0.73	308	1	<0.01	19	1040	12	0.04	<2	5	31
ZZ09276		10	1	0.06	10	0.79	353	<1	<0.01	17	800	16	0.01	2	7	23
ZZ09277		10	<1	0.07	10	0.70	416	1	<0.01	12	1300	13	0.07	<2	5	36
ZZ09278		10	1	0.07	10	0.71	329	1	<0.01	17	920	13	<0.01	2	6	24
ZZ09279		10	1	0.16	20	0.85	700	1	0.01	22	1210	10	<0.01	2	11	37
ZZ09280		10	<1	0.07	10	0.48	292	1	<0.01	16	550	8	0.02	<2	4	17
ZZ09281		10	1	0.44	10	2.00	519	1	0.01	93	360	11	0.01	3	8	27
ZZ09282		10	1	0.09	20	0.76	795	1	0.01	28	860	21	0.08	5	8	46
ZZ09283		10	1	0.07	10	0.73	837	2	0.03	25	820	8	0.05	2	6	35
ZZ09284		10	<1	0.10	10	0.72	762	1	0.02	25	590	10	0.05	2	5	32
ZZ09285		10	1	0.09	10	0.72	1050	1	0.01	23	810	13	0.05	<2	4	28
ZZ09286		10	<1	0.11	20	0.59	2570	2	0.01	26	740	11	0.05	11	5	31
ZZ09287		10	1	0.09	10	0.53	3270	1	<0.01	20	690	26	0.04	5	4	25
ZZ09288		10	<1	0.09	10	0.64	274	<1	<0.01	21	680	17	0.01	2	5	23
ZZ09289		10	1	0.14	40	0.68	320	1	0.01	20	730	14	0.07	2	8	54
ZZ09290		10	<1	0.30	30	0.36	1025	1	<0.01	5	680	13	0.01	3	9	34
ZZ09291		10	1	0.08	20	0.78	415	2	<0.01	24	1020	10	0.01	3	5	28
ZZ09292		10	<1	0.07	40	0.55	1950	2	<0.01	16	1120	14	0.07	4	5	46
ZZ09293		10	<1	0.15	10	0.67	1290	<1	<0.01	16	870	11	<0.01	2	4	19
ZZ09294		10	<1	0.08	10	0.56	555	1	0.01	19	540	27	0.01	4	4	21
ZZ09295		10	1	0.08	10	0.71	229	1	0.01	24	670	13	0.02	4	5	19
ZZ09296		10	1	0.10	10	0.75	352	1	0.01	25	680	11	0.03	4	5	25
ZZ09297		10	1	0.10	10	0.71	286	2	0.01	27	540	12	0.03	8	5	22
ZZ09298		10	1	0.13	10	0.76	737	2	0.02	27	730	16	0.07	6	5	32
ZZ09299		10	1	0.14	30	0.82	579	2	0.02	30	1000	13	0.10	2	7	47
ZZ09300		10	<1	0.12	10	1.23	474	<1	0.02	62	370	12	0.01	4	6	21



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ09261		<20	0.10	<10	<10	99	<10	42
ZZ09262		<20	0.11	<10	<10	86	<10	61
ZZ09263		<20	0.09	<10	<10	83	<10	70
ZZ09264		<20	0.06	<10	<10	85	<10	61
ZZ09265		<20	0.04	<10	<10	84	<10	50
ZZ09266		<20	0.11	<10	<10	109	<10	71
ZZ09267		<20	0.05	<10	<10	90	<10	93
ZZ09268		<20	0.03	<10	<10	60	<10	86
ZZ09269		<20	0.04	<10	<10	73	<10	80
ZZ09270		<20	0.08	<10	<10	73	<10	51
ZZ09271		<20	0.09	<10	<10	72	<10	61
ZZ09272		<20	0.09	<10	<10	73	<10	68
ZZ09273		<20	0.10	<10	<10	91	<10	81
ZZ09274		<20	0.09	<10	<10	72	<10	72
ZZ09275		<20	0.08	<10	<10	72	<10	66
ZZ09276		<20	0.10	<10	<10	93	<10	81
ZZ09277		<20	0.09	<10	<10	91	<10	76
ZZ09278		<20	0.09	<10	<10	81	<10	69
ZZ09279		<20	0.15	<10	<10	102	<10	83
ZZ09280		<20	0.09	<10	<10	62	<10	45
ZZ09281		<20	0.16	<10	<10	91	<10	73
ZZ09282		<20	0.06	<10	<10	70	<10	87
ZZ09283		<20	0.08	<10	<10	90	<10	75
ZZ09284		<20	0.10	<10	<10	77	<10	86
ZZ09285		<20	0.09	<10	<10	75	<10	79
ZZ09286		<20	0.07	<10	<10	67	<10	88
ZZ09287		<20	0.05	<10	<10	53	<10	80
ZZ09288		<20	0.08	<10	<10	66	<10	82
ZZ09289		20	0.11	<10	40	66	<10	94
ZZ09290		30	0.09	<10	<10	59	<10	111
ZZ09291		<20	0.08	<10	10	67	<10	88
ZZ09292		<20	0.07	<10	<10	83	<10	68
ZZ09293		<20	0.12	<10	<10	65	<10	97
ZZ09294		<20	0.07	<10	<10	63	<10	69
ZZ09295		<20	0.08	<10	<10	76	<10	71
ZZ09296		<20	0.11	<10	<10	75	<10	80
ZZ09297		<20	0.09	<10	<10	78	<10	78
ZZ09298		<20	0.10	<10	<10	91	<10	94
ZZ09299		<20	0.08	<10	<10	79	<10	68
ZZ09300		<20	0.13	<10	<10	81	<10	56



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ09301		0.26	0.001	<0.2	1.37	26	<10	490	<0.5	<2	0.38	<0.5	10	31	31	2.87
ZZ09302		0.27	<0.001	<0.2	2.83	27	<10	520	0.7	<2	0.46	<0.5	12	49	40	4.02
ZZ09303		0.28	0.001	<0.2	2.56	6	<10	380	0.5	<2	0.42	<0.5	10	40	31	2.60
ZZ09304		0.32	0.005	<0.2	2.38	20	<10	260	0.5	<2	0.52	<0.5	12	36	28	3.49
ZZ09305		0.30	<0.001	<0.2	2.62	52	<10	210	0.5	<2	0.45	<0.5	13	34	27	3.50
ZZ09306		0.25	0.001	<0.2	2.40	65	<10	110	0.5	<2	0.15	<0.5	11	32	26	3.25
ZZ09307		0.28	0.007	<0.2	1.32	15	<10	90	<0.5	<2	0.05	<0.5	5	24	20	2.66
ZZ09308		0.25	0.002	0.2	2.88	53	<10	560	0.8	<2	0.42	<0.5	16	56	66	4.54
ZZ09309		0.19	0.002	0.3	1.17	16	<10	240	<0.5	<2	0.15	<0.5	6	23	25	2.12
ZZ09310		0.18	<0.001	0.5	1.62	52	<10	290	<0.5	<2	0.09	<0.5	9	37	40	3.29
ZZ09311		0.21	<0.001	<0.2	1.72	69	<10	240	<0.5	<2	0.07	<0.5	6	46	50	4.45
ZZ09312		0.22	<0.001	<0.2	1.93	41	<10	360	0.6	<2	0.30	0.5	17	46	52	3.79
ZZ09313		0.26	<0.001	<0.2	1.50	19	<10	110	<0.5	<2	0.08	<0.5	6	29	25	3.10
ZZ09314		0.12	<0.001	0.3	2.33	39	<10	640	0.5	<2	1.07	0.5	14	29	28	4.10
ZZ09315		0.30	<0.001	0.2	2.47	22	<10	420	0.5	<2	0.57	<0.5	12	41	25	3.70
ZZ09316		0.28	<0.001	<0.2	1.77	12	<10	440	<0.5	<2	0.58	<0.5	13	36	32	3.23
ZZ09317		0.20	<0.001	<0.2	2.67	25	<10	440	0.5	<2	0.59	<0.5	12	43	28	4.39
ZZ09318		0.22	<0.001	<0.2	2.40	24	<10	360	0.5	<2	0.47	<0.5	12	35	21	3.75
ZZ09319		0.24	0.001	<0.2	1.56	30	<10	580	0.5	<2	0.40	0.5	10	48	44	3.35
ZZ09320		0.15	<0.001	0.8	1.69	20	<10	860	<0.5	<2	0.20	2.0	6	29	40	2.62
ZZ09321		0.23	0.002	<0.2	2.35	21	<10	210	0.5	<2	0.18	0.5	15	42	42	3.59
ZZ09322		0.20	0.002	<0.2	2.39	17	<10	170	0.5	<2	0.14	<0.5	14	40	31	3.33
ZZ09323		0.23	<0.001	<0.2	2.20	20	<10	200	<0.5	<2	0.11	<0.5	10	41	35	3.83
ZZ09324		0.17	0.003	0.4	1.84	26	<10	390	0.5	<2	0.39	0.5	11	40	49	3.19
ZZ09325		0.23	<0.001	0.2	2.43	15	<10	380	0.7	<2	0.36	<0.5	14	43	40	3.71
ZZ09326		0.20	0.001	<0.2	2.46	13	<10	140	0.5	<2	0.16	<0.5	13	47	39	3.27
ZZ09327		0.21	<0.001	<0.2	2.38	18	<10	260	<0.5	<2	0.34	<0.5	12	57	39	3.78
ZZ09328		0.23	0.001	<0.2	2.29	31	<10	310	0.5	<2	0.18	0.6	11	51	43	4.12
ZZ09329		0.14	<0.001	1.1	3.53	56	<10	1970	0.8	<2	0.65	1.3	14	77	72	5.11
ZZ09330		0.19	0.008	<0.2	2.03	533	<10	160	0.7	<2	0.38	<0.5	22	44	30	4.59
ZZ09331		0.18	0.006	<0.2	1.34	64	<10	60	<0.5	<2	0.16	<0.5	12	23	14	2.87
ZZ09332		0.24	0.002	<0.2	2.21	62	<10	100	0.9	<2	0.33	<0.5	15	37	18	4.72
ZZ09333		0.23	0.001	<0.2	2.32	23	<10	150	0.6	2	0.41	<0.5	14	48	28	4.62
ZZ09334		0.25	0.019	0.6	2.01	92	<10	150	0.6	<2	0.23	<0.5	10	30	23	3.84
ZZ09335		0.19	0.008	0.5	1.50	58	<10	230	<0.5	<2	0.22	0.7	9	43	38	3.35
ZZ09336		0.09	<0.001	1.0	0.88	6	<10	330	<0.5	<2	0.14	0.9	2	27	22	1.15
ZZ09337		0.32	<0.001	0.2	1.90	5	<10	160	<0.5	<2	0.47	<0.5	11	29	20	2.79
ZZ09338		0.16	0.028	0.5	2.28	6	<10	290	0.6	<2	0.90	<0.5	25	31	26	3.17
ZZ09339		0.20	<0.001	<0.2	2.15	6	<10	200	<0.5	<2	0.62	<0.5	11	30	17	2.63
ZZ09340		0.05	NSS	0.2	1.85	3	<10	270	<0.5	<2	0.46	<0.5	6	31	20	2.20



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ09301		<10	<1	0.08	20	0.53	452	1	<0.01	22	880	10	<0.01	2	5	24
ZZ09302		10	1	0.14	20	0.90	434	1	<0.01	31	930	10	0.03	2	9	24
ZZ09303		10	1	0.07	20	0.86	230	<1	<0.01	22	660	12	0.03	2	7	24
ZZ09304		10	1	0.09	20	0.73	366	1	<0.01	22	810	11	0.02	<2	8	29
ZZ09305		10	<1	0.06	10	0.95	424	<1	<0.01	21	800	10	0.02	<2	6	24
ZZ09306		10	1	0.06	10	0.68	397	1	<0.01	22	370	11	0.02	<2	5	14
ZZ09307		10	<1	0.04	10	0.17	155	2	<0.01	12	240	9	0.01	<2	2	9
ZZ09308		10	<1	0.12	10	0.73	815	3	<0.01	45	990	20	0.03	4	8	25
ZZ09309		<10	<1	0.03	10	0.19	299	2	<0.01	14	1290	7	0.12	2	1	17
ZZ09310		10	<1	0.07	10	0.35	322	3	<0.01	25	670	11	0.06	3	3	16
ZZ09311		10	<1	0.07	10	0.28	218	3	<0.01	30	450	13	0.03	2	4	12
ZZ09312		10	<1	0.16	10	0.66	848	2	<0.01	42	990	11	0.01	2	5	16
ZZ09313		10	1	0.06	10	0.21	175	2	<0.01	14	370	13	0.01	2	3	11
ZZ09314		10	1	0.09	20	0.56	891	2	<0.01	16	1190	13	0.09	3	10	50
ZZ09315		10	1	0.11	20	0.86	318	1	<0.01	23	930	9	0.02	<2	9	29
ZZ09316		10	<1	0.15	20	0.82	532	1	<0.01	22	1340	8	<0.01	<2	6	29
ZZ09317		10	1	0.10	10	0.80	363	1	<0.01	19	930	13	0.02	<2	9	31
ZZ09318		10	1	0.07	10	0.81	306	1	<0.01	20	730	13	0.01	<2	7	25
ZZ09319		10	1	0.14	20	0.59	282	2	<0.01	38	1180	9	0.01	2	5	23
ZZ09320		10	<1	0.09	10	0.23	157	3	<0.01	23	590	10	0.05	<2	2	22
ZZ09321		10	<1	0.10	10	0.57	452	2	<0.01	36	630	14	0.04	<2	4	17
ZZ09322		10	1	0.07	10	0.61	399	1	<0.01	33	450	9	0.03	2	4	14
ZZ09323		10	1	0.07	10	0.54	371	2	<0.01	24	460	9	0.04	2	3	13
ZZ09324		10	<1	0.07	10	0.51	701	2	<0.01	31	1240	14	0.08	3	3	26
ZZ09325		10	<1	0.06	20	0.80	906	1	<0.01	32	830	24	0.02	3	6	24
ZZ09326		10	1	0.10	10	0.82	497	<1	<0.01	37	420	10	0.02	<2	5	14
ZZ09327		10	1	0.13	10	0.91	532	1	<0.01	35	340	14	0.01	2	6	23
ZZ09328		10	1	0.17	10	0.69	456	2	<0.01	33	520	16	0.02	<2	5	16
ZZ09329		10	1	0.20	10	0.88	935	3	<0.01	57	1780	20	0.11	4	6	51
ZZ09330		10	1	0.20	20	0.70	2070	4	<0.01	22	1210	10	0.04	2	6	22
ZZ09331		10	<1	0.18	20	0.33	707	4	<0.01	8	850	6	0.04	<2	2	12
ZZ09332		10	<1	0.34	40	0.92	745	4	<0.01	27	720	8	0.02	<2	6	20
ZZ09333		10	1	0.55	30	1.07	843	4	0.02	33	1050	10	0.02	<2	8	21
ZZ09334		10	1	0.12	30	0.58	316	4	0.01	20	710	14	0.04	10	4	19
ZZ09335		10	<1	0.12	10	0.51	326	5	0.02	34	800	13	0.10	2	4	23
ZZ09336		<10	<1	0.04	10	0.14	84	1	0.01	11	1100	11	0.11	<2	1	14
ZZ09337		10	1	0.05	10	0.73	385	1	0.02	17	770	20	0.02	<2	6	27
ZZ09338		10	1	0.05	20	0.56	2590	2	0.02	17	1500	7	0.14	<2	7	53
ZZ09339		10	<1	0.05	10	0.73	638	1	0.02	15	950	8	0.06	<2	6	34
ZZ09340		10	<1	0.04	10	0.54	236	1	0.02	13	1580	8	0.11	<2	4	36



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		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ09301		<20	0.09	<10	<10	67	<10	84
ZZ09302		<20	0.08	<10	<10	98	<10	101
ZZ09303		<20	0.06	<10	<10	80	<10	81
ZZ09304		<20	0.08	<10	<10	73	<10	67
ZZ09305		<20	0.09	<10	<10	85	<10	70
ZZ09306		<20	0.08	<10	<10	79	<10	57
ZZ09307		<20	0.07	<10	<10	102	<10	40
ZZ09308		<20	0.06	<10	<10	112	<10	133
ZZ09309		<20	0.03	<10	<10	55	<10	42
ZZ09310		<20	0.06	<10	<10	90	<10	89
ZZ09311		<20	0.09	<10	<10	172	<10	96
ZZ09312		<20	0.11	<10	<10	94	<10	109
ZZ09313		<20	0.07	<10	<10	97	<10	49
ZZ09314		<20	0.03	<10	<10	89	<10	88
ZZ09315		<20	0.08	<10	<10	91	<10	94
ZZ09316		<20	0.15	<10	<10	89	<10	76
ZZ09317		<20	0.09	<10	<10	117	<10	88
ZZ09318		<20	0.06	<10	<10	95	<10	80
ZZ09319		<20	0.11	<10	<10	89	<10	130
ZZ09320		<20	0.03	<10	<10	72	<10	87
ZZ09321		<20	0.08	<10	<10	87	<10	103
ZZ09322		<20	0.09	<10	<10	71	<10	77
ZZ09323		<20	0.10	<10	<10	90	<10	84
ZZ09324		<20	0.03	<10	<10	77	<10	108
ZZ09325		<20	0.05	<10	<10	87	<10	81
ZZ09326		<20	0.13	<10	<10	85	<10	81
ZZ09327		<20	0.14	<10	<10	107	<10	94
ZZ09328		<20	0.10	<10	<10	108	<10	117
ZZ09329		<20	0.04	<10	<10	127	<10	199
ZZ09330		<20	0.13	<10	<10	76	<10	75
ZZ09331		<20	0.09	<10	<10	57	<10	49
ZZ09332		<20	0.21	<10	<10	82	<10	85
ZZ09333		<20	0.25	<10	<10	86	<10	90
ZZ09334		<20	0.07	<10	<10	56	<10	74
ZZ09335		<20	0.08	<10	<10	76	<10	142
ZZ09336		<20	0.01	<10	<10	18	<10	37
ZZ09337		<20	0.09	<10	<10	69	<10	67
ZZ09338		<20	0.05	<10	<10	74	<10	55
ZZ09339		<20	0.07	<10	<10	75	<10	68
ZZ09340		<20	0.05	<10	<10	53	<10	49



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ09341		0.26	0.004	<0.2	2.32	10	<10	150	0.5	<2	0.40	<0.5	11	34	25	2.94
ZZ09342		0.10	0.005	<0.2	1.96	37	<10	250	0.6	<2	1.16	<0.5	12	32	34	3.18
ZZ09343		0.24	0.001	<0.2	1.83	21	<10	230	0.6	<2	0.35	<0.5	11	32	34	3.25
ZZ09344		0.21	0.001	0.2	2.09	27	<10	180	0.8	<2	0.64	<0.5	13	42	49	3.43
ZZ09345		0.17	<0.001	<0.2	1.31	50	<10	90	<0.5	<2	0.29	<0.5	9	25	26	2.93
ZZ09346		0.27	0.005	<0.2	2.26	12	<10	130	0.6	<2	0.20	<0.5	10	37	29	2.71
ZZ09347		0.17	<0.001	0.2	2.21	22	<10	120	0.6	2	0.19	<0.5	12	40	40	3.24
ZZ09348		0.19	0.001	<0.2	1.95	7	<10	270	<0.5	<2	0.53	<0.5	9	31	20	2.88
ZZ09349		0.28	0.004	<0.2	1.41	19	<10	390	<0.5	<2	0.32	<0.5	10	33	29	2.96
ZZ09350		0.31	0.001	0.4	1.76	34	<10	1110	0.5	<2	0.36	1.0	13	43	53	3.49
ZZ09351		0.26	<0.001	<0.2	2.07	3	<10	250	1.6	<2	0.22	<0.5	11	14	6	4.81
ZZ09352		0.41	<0.001	<0.2	1.24	3	<10	100	0.6	<2	0.07	<0.5	6	11	5	3.02
ZZ09353		0.48	0.002	<0.2	2.01	7	<10	370	1.3	<2	0.49	<0.5	9	21	13	3.14
ZZ09354		0.45	<0.001	<0.2	2.22	10	<10	460	0.8	<2	0.33	<0.5	8	17	8	4.19
ZZ09355		0.46	<0.001	0.2	1.88	8	<10	200	0.7	<2	0.45	<0.5	9	21	9	3.41
ZZ09356		0.39	<0.001	<0.2	2.20	7	<10	330	1.3	2	0.48	<0.5	10	21	12	3.49
ZZ09357		0.45	<0.001	0.2	1.99	6	<10	170	0.7	<2	0.28	<0.5	9	19	7	3.29
ZZ09358		0.28	0.001	0.2	1.81	51	<10	140	<0.5	<2	0.34	<0.5	9	42	22	2.79
ZZ09359		0.38	0.004	0.3	2.07	69	<10	160	0.5	<2	0.30	<0.5	10	52	29	3.39
ZZ09360		0.29	0.005	0.2	1.90	27	<10	110	<0.5	<2	0.32	<0.5	7	32	21	2.61
ZZ09361		0.21	0.001	0.2	1.63	65	<10	90	<0.5	<2	0.28	<0.5	10	31	16	3.90
ZZ09362		0.17	0.003	0.3	1.51	20	<10	70	0.6	<2	0.26	<0.5	11	30	16	3.73
ZZ09363		0.22	0.001	0.3	2.80	25	<10	140	0.7	<2	0.37	<0.5	19	73	22	5.72
ZZ09364		0.40	0.001	0.2	2.33	27	<10	120	0.8	<2	0.32	<0.5	16	39	18	4.93
ZZ09365		0.23	<0.001	0.5	2.42	32	<10	220	0.6	<2	0.37	<0.5	9	38	25	4.21
ZZ09366		0.16	0.002	0.5	1.14	43	<10	240	<0.5	<2	0.21	<0.5	4	26	19	2.56
ZZ09367		0.26	0.003	0.2	2.28	17	<10	320	0.5	<2	0.46	0.5	18	38	22	4.02
ZZ09368		0.31	0.002	0.2	2.32	9	<10	360	<0.5	<2	0.77	0.5	21	33	17	3.94
ZZ09369		0.40	0.001	<0.2	2.34	6	<10	190	<0.5	<2	0.54	<0.5	11	33	18	2.83
ZZ09370		0.30	0.001	<0.2	2.44	13	<10	190	<0.5	2	0.42	<0.5	10	37	19	3.16
ZZ09371		0.16	<0.001	0.3	2.88	9	<10	320	0.6	2	0.96	<0.5	10	36	26	3.20
ZZ09372		0.12	<0.001	<0.2	2.38	19	<10	250	0.5	2	0.61	<0.5	23	32	16	5.44
ZZ09373		0.07	<0.001	0.2	1.82	11	<10	260	0.5	2	0.85	<0.5	10	30	23	2.87
ZZ09374		0.19	<0.001	<0.2	0.78	5	<10	120	<0.5	2	0.31	0.9	11	17	13	1.68
ZZ09375		0.51	0.003	0.2	2.28	21	<10	280	0.7	2	0.58	<0.5	13	38	38	3.56
ZZ09376		0.26	0.001	<0.2	1.66	13	<10	140	0.5	3	0.23	<0.5	9	29	21	3.26
ZZ09377		0.41	<0.001	<0.2	1.86	14	<10	350	0.6	2	0.41	<0.5	13	35	35	3.03
ZZ09378		0.39	<0.001	<0.2	1.61	8	<10	260	<0.5	2	0.53	<0.5	5	35	16	2.35
ZZ09379		0.57	<0.001	<0.2	3.48	24	<10	280	0.9	2	0.29	<0.5	18	105	42	4.83
ZZ09380		0.37	0.001	<0.2	2.58	12	<10	340	0.5	2	0.73	<0.5	11	38	28	3.69



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ09341		10	1	0.07	10	0.87	353	1	0.01	20	880	9	0.02	<2	6	22
ZZ09342		10	1	0.05	10	0.53	903	2	0.01	20	2200	16	0.17	<2	4	59
ZZ09343		10	<1	0.08	10	0.62	473	1	0.02	26	790	10	0.02	<2	5	26
ZZ09344		10	<1	0.10	20	0.75	467	1	0.02	26	550	32	0.05	<2	4	34
ZZ09345		<10	<1	0.07	10	0.46	327	1	0.02	25	650	10	0.02	<2	3	18
ZZ09346		10	1	0.10	10	0.65	257	1	0.01	28	410	10	0.03	<2	5	15
ZZ09347		10	1	0.08	10	0.60	517	1	0.01	42	770	10	0.07	2	3	17
ZZ09348		10	1	0.06	10	0.75	334	1	0.02	17	850	8	0.03	<2	6	29
ZZ09349		10	<1	0.10	10	0.54	413	1	0.01	26	790	8	0.01	<2	4	17
ZZ09350		10	1	0.12	10	0.69	478	3	0.02	41	1010	10	0.03	2	5	24
ZZ09351		10	<1	0.35	20	0.55	1240	<1	0.01	10	400	26	0.01	<2	7	19
ZZ09352		10	<1	0.14	10	0.26	379	1	0.01	5	240	12	0.01	<2	3	9
ZZ09353		10	<1	0.14	70	0.54	631	<1	0.01	12	690	14	0.03	<2	6	41
ZZ09354		10	1	0.33	30	0.78	791	1	0.01	10	640	14	0.02	<2	7	28
ZZ09355		10	<1	0.23	40	0.71	681	<1	0.02	13	460	11	0.02	<2	6	32
ZZ09356		10	<1	0.25	70	0.62	755	1	0.01	12	450	22	0.02	<2	6	37
ZZ09357		10	1	0.25	30	0.67	580	1	0.01	10	370	11	0.01	<2	5	22
ZZ09358		10	1	0.07	10	0.65	236	1	0.02	22	750	10	0.03	<2	5	24
ZZ09359		10	1	0.08	20	0.76	223	2	0.02	25	840	10	0.03	2	6	18
ZZ09360		10	1	0.09	20	0.60	185	1	0.01	17	790	11	0.03	<2	4	18
ZZ09361		10	1	0.15	20	0.61	387	4	0.02	18	630	9	0.04	<2	4	19
ZZ09362		10	1	0.27	20	0.58	612	3	0.02	17	940	7	0.05	<2	4	16
ZZ09363		10	1	0.65	40	1.30	1260	7	0.02	36	1100	8	0.03	<2	7	17
ZZ09364		10	1	0.48	30	0.87	965	7	0.01	24	1060	9	0.02	<2	5	15
ZZ09365		10	<1	0.24	20	0.70	470	3	0.01	23	1120	12	0.05	<2	6	22
ZZ09366		<10	<1	0.07	10	0.31	112	4	0.01	16	800	17	0.08	<2	2	18
ZZ09367		10	<1	0.09	10	0.75	1380	1	0.02	24	1050	15	0.03	<2	6	29
ZZ09368		10	<1	0.06	10	0.79	4260	1	0.02	17	990	10	0.05	<2	6	44
ZZ09369		10	1	0.06	10	0.80	539	<1	0.02	19	860	10	0.02	<2	6	29
ZZ09370		10	<1	0.08	10	0.79	327	<1	0.01	17	940	10	0.02	2	6	24
ZZ09371		10	1	0.06	20	0.72	500	<1	0.02	17	1500	9	0.12	<2	7	64
ZZ09372		10	<1	0.06	10	0.77	2630	<1	0.02	15	1130	7	0.06	<2	6	36
ZZ09373		10	<1	0.05	20	0.47	613	<1	0.02	15	1660	7	0.14	<2	5	54
ZZ09374		<10	<1	0.04	10	0.16	1300	<1	0.02	10	1080	6	0.11	<2	1	26
ZZ09375		10	<1	0.09	20	0.64	886	<1	0.02	28	1090	14	0.08	<2	6	38
ZZ09376		10	<1	0.06	10	0.37	549	<1	0.01	22	640	13	0.06	2	2	17
ZZ09377		10	<1	0.12	20	0.53	565	<1	0.02	25	780	12	0.01	3	7	26
ZZ09378		10	<1	0.06	20	0.52	174	<1	0.01	23	910	8	0.07	<2	4	25
ZZ09379		10	<1	0.19	20	1.56	699	<1	0.01	82	310	13	0.02	2	9	18
ZZ09380		10	<1	0.10	20	0.83	635	<1	0.02	22	840	14	0.05	2	7	43



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ09341		<20	0.09	<10	<10	72	<10	70
ZZ09342		<20	0.03	<10	<10	70	<10	76
ZZ09343		<20	0.08	<10	<10	67	<10	71
ZZ09344		<20	0.08	<10	<10	67	<10	94
ZZ09345		<20	0.07	<10	<10	51	<10	58
ZZ09346		<20	0.10	<10	<10	62	<10	52
ZZ09347		<20	0.05	<10	<10	62	<10	65
ZZ09348		<20	0.08	<10	<10	73	<10	72
ZZ09349		<20	0.09	<10	<10	72	<10	89
ZZ09350		<20	0.10	<10	<10	95	<10	167
ZZ09351		20	0.12	<10	<10	62	<10	120
ZZ09352		<20	0.07	<10	<10	52	<10	70
ZZ09353		20	0.05	<10	<10	49	<10	82
ZZ09354		20	0.15	<10	<10	72	<10	102
ZZ09355		20	0.15	<10	<10	61	<10	83
ZZ09356		20	0.09	<10	<10	58	<10	90
ZZ09357		<20	0.12	<10	<10	56	<10	73
ZZ09358		<20	0.07	<10	<10	61	<10	65
ZZ09359		<20	0.08	<10	<10	73	<10	76
ZZ09360		<20	0.09	<10	<10	57	<10	68
ZZ09361		<20	0.11	<10	<10	65	<10	81
ZZ09362		<20	0.15	<10	<10	70	<10	69
ZZ09363		<20	0.32	<10	<10	118	<10	110
ZZ09364		<20	0.20	<10	<10	86	<10	100
ZZ09365		<20	0.08	<10	<10	84	<10	98
ZZ09366		<20	0.03	<10	<10	51	<10	70
ZZ09367		<20	0.10	<10	<10	91	<10	114
ZZ09368		<20	0.10	<10	<10	94	<10	94
ZZ09369		<20	0.12	<10	<10	84	<10	74
ZZ09370		<20	0.12	<10	<10	88	<10	81
ZZ09371		<20	0.06	<10	<10	78	<10	80
ZZ09372		<20	0.06	<10	<10	94	<10	77
ZZ09373		<20	0.04	<10	<10	53	<10	64
ZZ09374		<20	0.04	<10	<10	41	<10	35
ZZ09375		<20	0.05	<10	<10	72	<10	90
ZZ09376		<20	0.06	<10	<10	73	<10	58
ZZ09377		<20	0.10	<10	<10	59	<10	69
ZZ09378		<20	0.02	<10	<10	49	<10	42
ZZ09379		<20	0.12	<10	<10	99	<10	94
ZZ09380		<20	0.06	<10	<10	83	<10	100



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
ZZ09381		0.40	<0.001	<0.2	2.44	10	<10	210	0.5	<2	0.53	<0.5	10	42	38	2.98
ZZ09382		0.48	0.002	<0.2	2.15	23	<10	220	0.6	2	0.50	<0.5	11	40	27	3.27
ZZ09383		0.45	<0.001	<0.2	1.95	71	<10	300	0.7	<2	0.37	<0.5	11	41	36	3.11
ZZ09384		0.48	0.001	<0.2	1.82	34	<10	240	0.6	2	0.38	<0.5	10	33	28	3.13
ZZ09385		0.51	0.003	<0.2	2.51	22	<10	350	0.6	<2	0.37	<0.5	12	37	28	3.58



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
ZZ09381		10	<1	0.10	20	0.89	297	<1	0.02	22	570	8	0.09	<2	7
ZZ09382		10	<1	0.13	10	0.74	445	<1	0.02	24	560	10	0.04	2	6
ZZ09383		10	<1	0.12	20	0.65	648	<1	0.02	28	690	15	0.01	4	6
ZZ09384		10	<1	0.12	20	0.61	616	<1	0.01	23	750	12	0.02	3	5
ZZ09385		10	<1	0.15	20	0.82	388	<1	0.01	21	780	11	0.02	3	8



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Tl	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
ZZ09381		<20	0.10	<10	<10	82	<10	67
ZZ09382		<20	0.11	<10	<10	71	<10	72
ZZ09383		<20	0.10	<10	<10	68	<10	81
ZZ09384		<20	0.10	<10	<10	72	<10	84
ZZ09385		<20	0.10	<10	<10	88	<10	85



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Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non- sufficient sample.



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CERTIFICATE WH1127772

Project: Selwyn- LLL

P.O. No.:

This report is for 95 Soil samples submitted to our lab in Whitehorse, YT, Canada on 7- JUL- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC133311		0.28	0.018	0.3	1.97	15	<10	150	0.5	3	0.36	<0.5	12	29	26	3.22
CC133312		0.30	0.011	0.4	2.11	19	<10	230	0.5	<2	0.42	<0.5	11	29	25	3.14
CC133313		0.25	0.004	0.4	2.44	55	<10	280	0.5	<2	0.42	<0.5	12	31	25	3.23
CC133314		0.26	0.004	0.3	2.42	20	<10	270	0.5	2	0.66	<0.5	13	33	24	3.29
CC133315		0.22	0.005	0.3	2.18	15	<10	180	0.5	2	0.36	<0.5	11	27	24	3.00
CC133316		0.23	0.003	0.4	2.27	24	<10	170	0.6	2	0.32	<0.5	13	26	33	3.24
CC133317		0.26	0.004	0.2	2.08	8	<10	230	<0.5	<2	0.38	<0.5	12	31	25	3.12
CC133318		0.37	0.006	0.2	1.92	9	<10	180	<0.5	2	0.30	<0.5	10	27	23	2.89
CC133319		0.22	0.007	0.2	2.24	6	<10	130	0.5	2	0.14	<0.5	6	24	18	2.74
CC133320		0.32	0.005	0.4	2.49	17	<10	290	0.5	2	0.82	<0.5	13	31	22	4.21
CC133321		0.19	0.001	<0.2	2.23	9	<10	140	0.5	2	0.16	<0.5	10	32	26	3.05
CC133322		0.21	0.003	0.2	2.14	11	<10	200	<0.5	2	0.20	<0.5	9	27	17	2.84
CC133323		0.29	0.004	0.2	1.86	34	<10	190	0.5	<2	0.33	<0.5	6	30	22	2.94
CC133324		0.25	0.003	0.2	1.86	15	<10	350	0.5	<2	0.35	<0.5	8	28	24	3.11
CC133325		0.25	0.005	0.3	2.24	15	<10	490	0.8	<2	0.48	<0.5	9	33	20	3.43
CC133326		0.27	0.005	0.3	2.86	4	<10	380	0.7	2	0.47	<0.5	7	34	26	2.61
CC133327		0.30	0.002	0.2	2.24	8	<10	210	<0.5	<2	0.31	<0.5	11	28	17	3.82
CC133328		0.27	0.003	<0.2	2.27	6	<10	170	0.5	2	0.38	<0.5	11	25	16	3.51
CC133329		0.11	0.019	0.5	2.07	3	<10	300	0.7	<2	0.58	<0.5	4	26	29	1.61
CC133330		0.23	0.005	0.3	2.68	9	<10	230	0.6	2	0.45	<0.5	12	27	33	4.11
CC133401		0.37	0.004	<0.2	2.21	9	<10	180	0.6	<2	0.37	<0.5	10	30	26	3.03
CC133402		0.20	<0.001	0.2	1.97	9	<10	130	<0.5	2	0.31	<0.5	9	23	13	3.25
CC133403		0.16	0.004	0.4	2.21	55	<10	370	0.9	<2	0.32	<0.5	12	57	35	3.65
CC133404		0.11	0.007	0.4	2.73	112	<10	180	0.9	2	0.34	<0.5	13	72	38	4.01
CC133405		0.28	0.004	0.3	2.71	27	<10	240	0.9	2	0.29	<0.5	13	77	66	4.01
CC133406		0.32	0.003	0.3	3.07	28	<10	320	0.9	2	0.44	<0.5	18	116	54	4.14
CC133407		0.19	0.006	0.3	2.37	20	<10	180	0.7	2	0.29	<0.5	13	60	45	3.53
CC133408		0.20	0.003	0.4	2.44	17	<10	190	0.6	2	0.77	<0.5	12	70	49	3.57
CC133409		0.14	0.004	0.3	2.27	19	<10	180	<0.5	<2	0.60	<0.5	10	59	32	2.98
CC133410		0.26	0.008	0.4	2.07	140	<10	180	0.5	2	0.33	<0.5	10	35	27	3.43
CC133411		0.17	0.029	0.3	2.13	20	<10	160	0.5	<2	0.29	<0.5	14	32	44	3.14
CC133412		0.13	0.011	0.4	2.16	23	<10	170	0.6	<2	0.50	<0.5	9	27	38	2.92
CC133413		0.09	0.053	<0.2	1.98	40	<10	110	<0.5	3	0.27	<0.5	11	24	38	3.46
CC133414		0.37	0.009	0.3	2.62	188	<10	190	0.5	2	0.40	<0.5	13	33	41	3.23
CC133416		0.28	0.004	0.3	2.53	90	<10	220	0.6	2	0.42	<0.5	12	31	33	3.64
CC133417		0.25	0.004	<0.2	2.54	14	<10	150	0.6	2	0.46	<0.5	9	20	17	3.48
CC133418		0.39	0.003	<0.2	1.85	6	<10	230	<0.5	<2	0.57	<0.5	12	31	19	3.54
CC133419		0.16	0.002	<0.2	1.94	26	<10	180	<0.5	<2	0.58	<0.5	11	28	21	3.27
CC133436		0.15	0.012	<0.2	1.53	15	<10	100	<0.5	<2	0.16	<0.5	5	29	28	3.67
CC133437		0.13	0.050	0.3	2.01	22	<10	130	0.6	<2	0.65	<0.5	17	29	62	3.50



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
CC133311		10	<1	0.09	10	0.87	588	1	0.02	19	770	12	0.02	<2	5	41
CC133312		10	<1	0.10	10	0.78	387	<1	0.02	15	850	16	0.04	<2	4	48
CC133313		10	<1	0.05	20	0.62	617	1	0.01	17	940	12	0.06	<2	5	35
CC133314		10	<1	0.06	10	0.73	840	1	0.02	20	850	16	0.06	<2	5	41
CC133315		10	1	0.05	10	0.62	548	1	0.01	20	770	12	0.04	<2	4	26
CC133316		10	<1	0.06	10	0.78	579	<1	0.01	19	810	17	0.03	<2	4	24
CC133317		10	<1	0.08	10	0.73	585	<1	0.01	19	700	12	0.02	2	6	27
CC133318		<10	<1	0.06	20	0.64	527	<1	0.01	18	620	9	0.01	<2	6	20
CC133319		10	<1	0.04	10	0.38	219	1	0.01	14	400	12	0.02	<2	3	15
CC133320		10	1	0.09	20	0.74	766	1	0.02	13	930	17	0.06	<2	10	39
CC133321		10	<1	0.06	20	0.72	505	<1	0.01	23	300	9	0.02	<2	6	14
CC133322		10	<1	0.05	10	0.56	289	1	0.01	19	350	8	0.03	<2	3	18
CC133323		10	<1	0.10	10	0.59	228	1	0.01	19	550	11	0.02	2	4	17
CC133324		10	<1	0.09	20	0.56	426	1	0.01	19	560	10	0.03	<2	4	23
CC133325		10	<1	0.08	30	0.60	449	1	0.01	18	650	18	0.04	<2	5	34
CC133326		10	1	0.12	20	0.64	206	1	0.01	17	980	13	0.05	<2	9	32
CC133327		10	<1	0.09	10	0.73	586	1	0.01	15	540	10	0.03	<2	6	22
CC133328		10	1	0.08	20	0.75	507	1	0.01	14	660	11	0.02	<2	5	22
CC133329		10	<1	0.05	40	0.39	131	<1	0.01	10	1820	11	0.13	<2	5	38
CC133330		10	<1	0.12	40	0.84	716	2	0.01	14	570	12	0.03	<2	9	30
CC133401		10	<1	0.07	20	0.67	432	<1	0.02	23	590	9	0.01	<2	6	24
CC133402		10	<1	0.12	10	0.52	392	5	0.01	13	530	19	0.01	2	4	20
CC133403		10	1	0.12	20	0.67	512	6	0.01	36	720	16	0.05	3	6	25
CC133404		10	<1	0.14	20	0.89	330	6	0.02	39	660	14	0.03	4	7	20
CC133405		10	1	0.11	30	0.93	253	2	0.02	45	710	12	0.03	2	10	18
CC133406		10	1	0.22	20	1.52	448	2	0.02	61	870	13	0.02	3	10	22
CC133407		10	<1	0.11	20	0.88	309	2	0.01	39	560	10	0.02	2	7	17
CC133408		10	<1	0.16	20	1.03	485	1	0.04	41	680	10	0.05	2	7	39
CC133409		10	<1	0.10	20	0.88	402	1	0.03	34	480	9	0.05	<2	6	36
CC133410		10	<1	0.08	20	0.66	237	1	0.01	22	710	20	0.02	4	5	20
CC133411		10	<1	0.07	10	0.67	1090	2	0.02	18	760	18	0.03	<2	5	34
CC133412		10	<1	0.07	10	0.52	342	1	0.02	17	900	11	0.09	<2	3	39
CC133413		10	<1	0.06	10	0.62	327	2	0.02	14	620	15	0.02	2	4	18
CC133414		10	<1	0.10	20	0.84	337	1	0.01	20	550	10	0.02	2	8	27
CC133416		10	<1	0.11	20	0.94	436	1	0.02	18	650	10	0.02	2	9	25
CC133417		10	<1	0.08	10	1.01	279	<1	0.01	11	840	10	0.01	<2	6	22
CC133418		<10	<1	0.20	20	0.73	340	1	0.03	18	840	10	0.01	<2	7	29
CC133419		10	<1	0.09	10	0.73	483	<1	0.02	18	460	10	0.03	<2	5	34
CC133436		10	<1	0.03	10	0.25	212	2	0.02	15	440	14	0.03	<2	2	16
CC133437		10	<1	0.07	10	0.53	562	2	0.03	18	1160	17	0.09	<2	4	45



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
CC133311		<20	0.15	<10	<10	93	<10	68
CC133312		<20	0.13	<10	<10	92	<10	74
CC133313		<20	0.07	<10	<10	79	<10	63
CC133314		<20	0.07	<10	<10	81	<10	84
CC133315		<20	0.08	<10	<10	69	<10	69
CC133316		<20	0.06	<10	<10	74	<10	78
CC133317		<20	0.09	<10	<10	75	<10	68
CC133318		<20	0.10	<10	<10	69	<10	63
CC133319		<20	0.08	<10	<10	70	<10	42
CC133320		<20	0.04	<10	<10	84	<10	74
CC133321		<20	0.10	<10	<10	71	<10	59
CC133322		<20	0.09	<10	<10	67	<10	48
CC133323		<20	0.07	<10	<10	62	<10	69
CC133324		<20	0.06	<10	<10	64	<10	72
CC133325		<20	0.03	<10	<10	61	<10	61
CC133326		<20	0.06	<10	<10	66	<10	67
CC133327		<20	0.09	<10	<10	81	<10	67
CC133328		<20	0.07	<10	<10	77	<10	64
CC133329		<20	0.03	<10	<10	39	<10	37
CC133330		<20	0.07	<10	<10	92	<10	82
CC133401		<20	0.10	<10	<10	71	<10	55
CC133402		<20	0.13	<10	<10	82	<10	72
CC133403		<20	0.06	<10	<10	84	<10	106
CC133404		<20	0.11	<10	<10	104	<10	103
CC133405		<20	0.10	<10	<10	117	<10	101
CC133406		<20	0.18	<10	<10	148	<10	133
CC133407		<20	0.13	<10	<10	92	<10	82
CC133408		<20	0.18	<10	<10	94	<10	86
CC133409		<20	0.13	<10	<10	77	<10	83
CC133410		<20	0.09	<10	<10	74	<10	91
CC133411		<20	0.11	<10	<10	81	<10	64
CC133412		<20	0.08	<10	<10	72	<10	48
CC133413		<20	0.13	<10	<10	85	<10	54
CC133414		<20	0.10	<10	<10	75	<10	60
CC133416		<20	0.10	<10	<10	83	<10	60
CC133417		<20	0.04	<10	<10	66	<10	66
CC133418		<20	0.16	<10	<10	85	<10	72
CC133419		<20	0.08	<10	<10	80	<10	59
CC133436		<20	0.11	<10	<10	115	<10	53
CC133437		<20	0.09	<10	<10	79	<10	62



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC133438		0.11	NSS	0.2	0.60	5	<10	50	<0.5	<2	0.13	<0.5	3	15	14	1.22
CC133439		0.17	0.022	0.2	1.73	12	<10	140	<0.5	<2	0.44	<0.5	8	32	22	2.42
CC133440		0.22	0.018	<0.2	1.64	12	<10	110	<0.5	<2	0.38	<0.5	7	33	15	2.18
CC133441		0.15	0.008	0.2	0.96	8	<10	50	<0.5	<2	0.11	<0.5	3	19	14	1.71
CC133442		0.15	0.025	0.7	1.59	332	<10	240	<0.5	<2	0.19	<0.5	12	43	61	3.38
CC133443		0.17	0.027	0.7	1.49	169	<10	460	0.5	<2	0.27	<0.5	22	38	67	2.36
CC133444		0.22	0.027	0.4	1.39	185	<10	280	<0.5	<2	0.25	<0.5	12	38	50	3.21
CC133445		0.21	0.008	0.4	1.77	251	<10	360	<0.5	<2	0.24	<0.5	27	43	49	3.45
CC133446		0.16	0.094	1.6	1.37	418	<10	640	0.6	<2	0.49	<0.5	16	37	175	2.99
CC133447		0.26	0.088	0.7	1.64	432	<10	320	0.8	<2	0.27	<0.5	16	46	171	3.51
CC133448		0.32	0.144	0.9	1.94	520	<10	290	0.7	<2	0.19	<0.5	26	43	346	4.44
CC133449		0.20	0.051	0.3	1.88	333	<10	320	0.5	<2	0.13	<0.5	9	33	71	4.12
CC133450		0.22	0.259	0.7	1.62	553	<10	480	0.7	<2	0.19	0.6	23	31	117	3.79
CC133451		0.19	0.075	0.6	2.58	216	<10	520	0.6	<2	0.51	<0.5	27	68	75	4.04
CC133452		0.22	0.038	0.5	2.09	125	<10	190	0.5	<2	0.88	<0.5	17	29	68	2.92
CC133453		0.20	0.018	<0.2	2.17	100	<10	100	<0.5	<2	0.19	<0.5	9	33	28	3.24
CC133454		0.26	0.027	<0.2	2.22	130	<10	140	0.6	<2	0.33	0.5	15	36	41	3.76
CC133455		0.21	0.024	0.2	1.57	140	<10	100	<0.5	<2	0.26	<0.5	8	38	33	3.15
CC133456		0.28	0.056	0.2	2.49	408	<10	180	0.8	<2	0.52	<0.5	20	38	83	3.88
CC133457		0.29	0.015	0.2	2.28	28	<10	120	0.5	<2	0.18	<0.5	9	38	31	3.66
CC133458		0.27	0.011	0.3	2.83	20	<10	120	0.6	<2	0.22	<0.5	14	39	43	3.44
CC133459		0.28	0.005	<0.2	1.98	19	<10	110	<0.5	<2	0.16	<0.5	7	32	21	3.58
CC133460		0.24	0.004	0.2	2.61	20	<10	90	0.6	<2	0.24	<0.5	9	36	22	3.37
CC133492		0.18	0.003	<0.2	2.11	10	<10	140	<0.5	<2	0.31	<0.5	10	33	21	3.06
CC133493		0.33	0.010	0.2	2.16	309	<10	220	0.9	<2	0.61	<0.5	18	21	39	4.64
CC133494		0.31	0.009	<0.2	2.47	62	<10	150	0.5	<2	0.32	<0.5	11	34	26	3.48
CC133495		0.21	0.007	0.2	2.15	25	<10	120	0.5	<2	0.41	<0.5	12	41	31	3.45
CC133496		0.29	0.036	<0.2	2.29	94	<10	100	0.7	<2	0.42	<0.5	15	53	40	4.29
CC133497		0.24	0.050	0.2	2.00	122	<10	130	0.5	<2	0.38	<0.5	15	35	48	3.53
CC133498		0.31	0.061	0.3	2.21	114	<10	180	0.5	<2	0.51	<0.5	15	33	87	3.62
CC133499		0.24	0.047	0.6	3.11	191	<10	650	1.0	<2	0.31	<0.5	30	70	82	4.84
CC133500		0.21	0.040	0.6	1.76	337	<10	440	0.5	<2	0.19	<0.5	15	48	103	4.06
ZZ09018		0.21	0.014	0.3	1.92	18	<10	140	<0.5	<2	0.36	<0.5	6	30	25	3.51
ZZ09019		0.23	0.006	<0.2	1.95	15	<10	90	<0.5	<2	0.23	<0.5	8	33	19	3.91
ZZ09020		0.24	0.005	0.3	1.90	56	<10	310	0.5	<2	0.48	0.5	14	41	39	3.74
ZZ09021		0.18	0.007	0.3	1.10	12	<10	140	<0.5	<2	0.19	<0.5	6	22	18	2.05
ZZ09022		0.13	0.012	0.4	1.89	36	<10	220	<0.5	<2	0.24	<0.5	16	41	21	3.39
ZZ09023		0.18	0.005	0.3	0.69	5	<10	80	<0.5	<2	0.12	0.6	4	16	12	1.23
ZZ09024		0.13	0.015	0.3	2.00	18	<10	250	<0.5	<2	0.47	<0.5	13	35	17	3.02
ZZ09025		0.33	0.003	<0.2	1.66	11	<10	150	<0.5	<2	0.40	<0.5	11	28	18	2.69



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
CC133438		<10	1	0.05	<10	0.09	68	<1	0.02	8	850	4	0.08	<2	1	13
CC133439		10	<1	0.05	10	0.62	185	1	0.02	15	930	11	0.07	<2	3	29
CC133440		10	<1	0.05	10	0.61	164	1	0.01	13	670	10	0.04	<2	3	25
CC133441		<10	<1	0.03	<10	0.12	66	<1	0.02	8	490	7	0.04	<2	1	14
CC133442		10	<1	0.15	10	0.41	401	3	0.01	34	1000	9	0.06	8	4	20
CC133443		<10	<1	0.09	10	0.34	1265	1	0.01	32	1110	8	0.06	3	3	22
CC133444		<10	<1	0.12	10	0.53	455	2	0.02	37	590	7	0.05	5	4	22
CC133445		10	<1	0.13	10	0.59	1400	2	0.02	29	680	10	0.03	3	4	20
CC133446		<10	1	0.12	20	0.44	616	3	0.02	27	1320	13	0.11	11	4	35
CC133447		10	<1	0.17	20	0.65	365	1	0.02	40	740	13	0.05	8	5	19
CC133448		10	<1	0.15	20	0.61	715	2	0.02	61	720	19	0.05	11	5	21
CC133449		10	<1	0.10	10	0.39	384	2	0.01	22	650	12	0.06	6	4	20
CC133450		<10	<1	0.10	10	0.42	687	3	0.01	48	730	31	0.05	23	5	20
CC133451		10	<1	0.33	20	1.02	374	1	0.02	55	1650	17	0.02	4	7	21
CC133452		10	<1	0.10	20	0.77	489	<1	0.03	17	880	10	0.06	<2	6	44
CC133453		10	<1	0.04	10	0.50	236	1	0.02	15	560	10	0.03	2	4	18
CC133454		10	<1	0.07	10	0.68	591	1	0.02	20	780	12	0.03	2	4	22
CC133455		10	<1	0.05	10	0.44	255	3	0.02	16	1020	14	0.06	<2	3	22
CC133456		10	<1	0.08	20	0.74	751	1	0.02	22	1090	20	0.03	3	6	46
CC133457		10	<1	0.06	10	0.55	428	1	0.02	22	740	11	0.06	<2	2	18
CC133458		10	<1	0.10	10	0.87	520	<1	0.02	37	430	9	0.02	<2	5	17
CC133459		10	<1	0.06	10	0.52	267	1	0.01	17	510	9	0.04	<2	3	15
CC133460		10	<1	0.07	10	0.60	389	<1	0.01	20	920	10	0.07	<2	3	19
CC133492		10	<1	0.07	10	0.64	335	<1	0.02	21	560	9	0.03	<2	4	23
CC133493		10	<1	0.08	20	0.79	1330	<1	0.02	13	890	19	0.02	3	17	28
CC133494		10	1	0.07	10	0.73	339	<1	0.02	19	470	9	0.02	<2	5	25
CC133495		10	<1	0.09	10	0.80	515	<1	0.02	21	810	11	0.03	<2	4	22
CC133496		10	<1	0.07	10	0.95	483	1	0.01	20	1000	15	0.02	4	5	21
CC133497		10	<1	0.08	10	0.74	478	<1	0.03	20	720	11	0.02	4	4	25
CC133498		10	<1	0.12	10	0.95	435	<1	0.03	18	630	11	0.04	2	6	28
CC133499		10	<1	0.39	20	1.18	580	2	0.02	56	1020	18	0.02	3	10	15
CC133500		10	<1	0.11	10	0.47	466	1	0.02	35	490	19	0.04	4	4	17
ZZ09018		10	<1	0.06	10	0.38	317	2	0.02	15	740	28	0.06	<2	4	29
ZZ09019		10	<1	0.05	10	0.57	360	1	0.01	18	490	13	0.05	<2	3	19
ZZ09020		10	<1	0.07	10	0.64	606	3	0.02	37	1190	11	0.03	4	7	25
ZZ09021		10	<1	0.05	10	0.25	205	1	0.02	13	690	6	0.05	<2	2	17
ZZ09022		10	<1	0.12	10	0.63	949	2	0.02	24	900	15	0.04	3	4	20
ZZ09023		<10	<1	0.04	10	0.11	83	1	0.02	8	900	6	0.09	<2	1	14
ZZ09024		10	<1	0.05	10	0.78	1340	1	0.02	16	1230	11	0.09	<2	5	30
ZZ09025		10	<1	0.07	10	0.65	347	<1	0.02	17	840	9	0.02	<2	4	24



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Project: Selwyn- LLL

CERTIFICATE OF ANALYSIS WH11127772

Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
CC133438		<20	0.03	<10	<10	32	<10	20
CC133439		<20	0.09	<10	<10	61	<10	54
CC133440		<20	0.09	<10	<10	60	<10	57
CC133441		<20	0.05	<10	<10	39	<10	25
CC133442		<20	0.09	<10	<10	104	<10	62
CC133443		<20	0.05	<10	<10	51	<10	53
CC133444		<20	0.10	<10	<10	81	<10	69
CC133445		<20	0.10	<10	<10	88	<10	71
CC133446		<20	0.05	<10	<10	74	<10	65
CC133447		<20	0.08	<10	<10	80	<10	74
CC133448		<20	0.09	<10	<10	87	<10	84
CC133449		<20	0.07	<10	<10	88	<10	62
CC133450		<20	0.04	<10	<10	74	<10	87
CC133451		<20	0.16	<10	<10	115	<10	80
CC133452		<20	0.10	<10	<10	83	<10	61
CC133453		<20	0.09	<10	<10	81	<10	44
CC133454		<20	0.11	<10	<10	94	<10	70
CC133455		<20	0.08	<10	<10	86	<10	49
CC133456		<20	0.11	<10	<10	93	<10	78
CC133457		<20	0.09	<10	<10	90	<10	62
CC133458		<20	0.14	<10	<10	82	<10	66
CC133459		<20	0.12	<10	<10	99	<10	47
CC133460		<20	0.08	<10	<10	70	<10	55
CC133492		<20	0.10	<10	<10	73	<10	57
CC133493		<20	0.02	<10	<10	93	<10	86
CC133494		<20	0.12	<10	<10	84	<10	56
CC133495		<20	0.14	<10	<10	92	<10	60
CC133496		<20	0.07	<10	<10	91	<10	65
CC133497		<20	0.12	<10	<10	95	<10	64
CC133498		<20	0.13	<10	<10	96	<10	67
CC133499		<20	0.24	<10	<10	130	<10	87
CC133500		<20	0.10	<10	<10	101	<10	65
ZZ09018		<20	0.06	<10	<10	86	<10	44
ZZ09019		<20	0.08	<10	<10	76	<10	49
ZZ09020		<20	0.05	<10	<10	78	<10	158
ZZ09021		<20	0.05	<10	<10	55	<10	42
ZZ09022		<20	0.09	<10	<10	85	<10	80
ZZ09023		<20	0.03	<10	<10	32	<10	23
ZZ09024		<20	0.06	<10	<10	84	<10	71
ZZ09025		<20	0.10	<10	<10	72	<10	60



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CERTIFICATE OF ANALYSIS WH11127772

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg 0.02	Au- ICP21 Au ppm 0.001	ME- ICP41 Ag ppm 0.2	ME- ICP41 Al % 0.01	ME- ICP41 As ppm 2	ME- ICP41 B ppm 10	ME- ICP41 Ba ppm 10	ME- ICP41 Be ppm 0.5	ME- ICP41 Bi ppm 2	ME- ICP41 Ca % 0.01	ME- ICP41 Cd ppm 0.5	ME- ICP41 Co ppm 1	ME- ICP41 Cr ppm 1	ME- ICP41 Cu ppm 1	ME- ICP41 Fe % 0.01
ZZ09026		0.32	0.005	0.2	2.15	24	<10	190	0.5	<2	0.58	<0.5	14	30	30	3.52
ZZ09027		0.24	0.004	0.2	1.78	11	<10	110	<0.5	<2	0.26	<0.5	8	28	17	3.18
ZZ09028		0.25	0.003	0.3	1.91	10	<10	110	<0.5	<2	0.20	<0.5	9	26	21	2.62
ZZ09029		0.24	0.015	<0.2	1.78	12	<10	170	<0.5	<2	0.38	<0.5	12	28	22	2.99
ZZ09030		0.30	0.006	<0.2	2.19	17	<10	200	0.5	<2	0.55	<0.5	11	32	31	3.31
ZZ09031		0.28	0.005	<0.2	2.24	16	<10	150	<0.5	<2	0.50	<0.5	15	32	27	3.27
ZZ09032		0.24	0.003	0.2	2.30	21	<10	180	0.5	<2	0.33	<0.5	15	30	21	3.49
ZZ09033		0.25	0.003	0.2	2.59	14	<10	240	<0.5	<2	0.52	<0.5	13	32	23	3.61
ZZ09034		0.43	0.003	<0.2	2.31	21	<10	200	0.5	<2	0.32	<0.5	12	35	25	3.49
ZZ09035		0.24	0.003	0.2	2.41	10	<10	240	<0.5	<2	0.39	<0.5	9	33	19	2.73
ZZ09036		0.31	0.004	<0.2	2.42	7	<10	210	<0.5	<2	0.56	<0.5	12	36	24	2.92
ZZ09037		0.23	0.005	<0.2	2.15	10	<10	190	0.5	<2	0.41	<0.5	11	29	25	3.20
ZZ09038		0.26	0.005	<0.2	2.01	9	<10	110	<0.5	<2	0.23	<0.5	9	29	19	2.99
ZZ09039		0.25	0.004	0.2	1.76	9	<10	140	<0.5	<2	0.28	<0.5	10	25	19	3.07
ZZ09040		0.37	0.006	0.2	1.83	15	<10	240	<0.5	<2	0.53	<0.5	13	28	28	3.25



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
ZZ09026		10	<1	0.06	10	0.89	739	<1	0.03	17	660	9	0.02	<2	9	31
ZZ09027		10	<1	0.05	10	0.58	349	<1	0.02	14	390	8	0.03	<2	3	21
ZZ09028		10	<1	0.05	10	0.59	311	1	0.02	17	350	13	0.04	<2	3	18
ZZ09029		10	<1	0.05	10	0.67	516	1	0.02	17	580	9	0.03	<2	4	27
ZZ09030		10	<1	0.07	10	0.73	605	<1	0.02	22	1030	11	0.03	<2	6	35
ZZ09031		10	<1	0.06	10	0.78	677	<1	0.02	19	750	12	0.02	<2	6	29
ZZ09032		10	1	0.05	10	0.72	630	<1	0.02	19	670	10	0.02	<2	5	23
ZZ09033		10	1	0.07	10	0.90	561	1	0.02	15	880	11	0.04	<2	8	29
ZZ09034		10	<1	0.09	10	0.78	619	1	0.02	21	1000	9	0.02	<2	6	19
ZZ09035		10	1	0.06	10	0.68	310	<1	0.02	15	990	11	0.07	2	6	29
ZZ09036		10	1	0.06	10	0.81	299	<1	0.02	19	640	11	0.04	2	7	33
ZZ09037		10	<1	0.04	10	0.71	560	<1	0.02	18	610	9	0.02	<2	5	31
ZZ09038		10	1	0.07	10	0.64	396	<1	0.02	20	430	8	0.03	<2	4	17
ZZ09039		10	<1	0.07	10	0.52	565	1	0.02	14	670	11	0.05	2	4	23
ZZ09040		10	<1	0.06	10	0.65	632	2	0.03	19	800	12	0.03	<2	6	34



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
ZZ09026		<20	0.09	<10	<10	88	<10	72
ZZ09027		<20	0.08	<10	<10	72	<10	45
ZZ09028		<20	0.10	<10	<10	66	<10	49
ZZ09029		<20	0.08	<10	<10	78	<10	68
ZZ09030		<20	0.07	<10	<10	81	<10	75
ZZ09031		<20	0.11	<10	<10	82	<10	68
ZZ09032		<20	0.10	<10	<10	87	<10	64
ZZ09033		<20	0.05	<10	<10	94	<10	74
ZZ09034		<20	0.08	<10	<10	78	<10	91
ZZ09035		<20	0.06	<10	<10	77	<10	69
ZZ09036		<20	0.08	<10	<10	79	<10	72
ZZ09037		<20	0.08	<10	<10	80	<10	55
ZZ09038		<20	0.08	<10	<10	64	<10	52
ZZ09039		<20	0.06	<10	<10	82	<10	51
ZZ09040		<20	0.07	<10	<10	70	<10	63



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CERTIFICATE OF ANALYSIS WH11127772

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non- sufficient sample.



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P.O. No.:

This report is for 150 Soil samples submitted to our lab in Whitehorse, YT, Canada on 7-JUL- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC133101		0.20	<0.001	<0.2	1.71	3	<10	200	<0.5	<2	0.44	<0.5	5	26	10	1.70
CC133102		0.16	0.001	<0.2	1.73	4	<10	210	<0.5	<2	0.51	<0.5	6	22	7	2.03
CC133103		0.18	0.003	<0.2	1.92	<2	<10	280	<0.5	<2	0.58	<0.5	7	26	12	2.77
CC133104		0.29	0.005	<0.2	2.46	9	<10	290	0.6	<2	0.47	<0.5	10	38	24	4.06
CC133105		0.26	0.002	<0.2	1.66	3	<10	220	0.5	<2	0.43	<0.5	9	26	14	2.94
CC133106		0.35	0.001	<0.2	2.24	2	<10	350	<0.5	<2	0.82	<0.5	8	32	12	3.26
CC133107		0.15	NSS	0.2	1.92	6	<10	510	0.6	<2	1.74	<0.5	9	27	29	2.47
CC133108		0.17	<0.001	<0.2	2.16	2	<10	360	<0.5	<2	1.35	<0.5	8	30	11	2.93
CC133109		0.35	0.003	<0.2	2.38	5	<10	210	0.5	<2	0.55	<0.5	14	41	21	3.55
CC133110		0.20	0.002	<0.2	1.93	4	<10	210	<0.5	<2	0.56	<0.5	18	29	15	3.80
CC133111		0.40	0.002	<0.2	2.18	6	<10	210	<0.5	<2	0.54	<0.5	13	33	18	3.71
CC133112		0.34	0.002	<0.2	2.11	6	<10	210	<0.5	<2	0.40	<0.5	13	31	18	3.33
CC133113		0.12	0.001	<0.2	1.48	3	<10	210	<0.5	<2	0.51	<0.5	11	23	11	3.49
CC133114		0.30	0.001	<0.2	2.16	3	<10	210	<0.5	<2	0.46	<0.5	11	26	13	2.79
CC133115		0.10	0.009	<0.2	2.09	5	<10	270	<0.5	<2	0.50	<0.5	14	31	16	2.90
CC133116		0.20	0.001	<0.2	1.95	4	<10	260	<0.5	<2	0.45	<0.5	14	23	10	3.27
CC133117		0.14	0.007	<0.2	1.31	8	<10	830	0.5	<2	0.53	1.0	102	24	17	3.93
CC133118		0.17	0.007	<0.2	1.61	6	<10	190	<0.5	<2	0.43	<0.5	10	21	8	2.44
CC133119		0.27	0.001	<0.2	1.81	8	<10	360	<0.5	<2	0.46	<0.5	11	23	11	3.03
CC133120		0.08	0.002	0.2	2.34	5	<10	410	0.5	<2	0.53	<0.5	20	40	19	3.75
CC133121		0.40	0.002	<0.2	1.62	3	<10	200	<0.5	<2	0.52	<0.5	12	26	15	2.95
CC133122		0.24	0.011	<0.2	1.55	5	<10	110	<0.5	<2	0.22	<0.5	9	25	29	2.71
CC133123		0.23	<0.001	<0.2	2.08	5	<10	240	0.5	<2	0.49	0.6	15	29	19	3.07
CC133124		0.16	0.001	<0.2	1.60	3	<10	150	<0.5	<2	0.24	0.5	9	24	14	2.72
CC133125		0.18	0.001	1.0	2.11	6	<10	250	0.6	<2	0.41	<0.5	8	25	19	3.40
CC133126		0.35	0.001	<0.2	2.12	7	<10	210	0.5	<2	0.44	<0.5	11	28	15	3.45
CC133127		0.34	0.002	<0.2	2.19	6	<10	250	0.6	<2	0.58	<0.5	12	31	16	3.56
CC133128		0.39	0.003	<0.2	2.18	6	<10	330	0.6	<2	0.52	<0.5	14	33	22	3.83
CC133129		0.35	0.001	<0.2	2.01	7	<10	280	<0.5	<2	0.46	<0.5	10	30	14	3.36
CC133130		0.25	0.002	<0.2	2.20	7	<10	250	<0.5	<2	0.55	<0.5	8	29	12	2.68
CC133131		0.16	0.001	<0.2	2.02	4	<10	390	<0.5	<2	0.65	<0.5	13	28	12	3.18
CC133132		0.28	<0.001	<0.2	2.85	<2	<10	410	<0.5	<2	0.69	<0.5	13	24	10	3.90
CC133133		0.35	0.003	<0.2	2.38	13	<10	200	0.8	2	0.47	<0.5	10	31	26	3.42
CC133134		0.30	<0.001	<0.2	2.33	7	<10	220	0.5	<2	0.42	<0.5	14	32	19	3.44
CC133135		0.35	0.003	<0.2	2.21	8	<10	200	0.5	<2	0.48	<0.5	12	28	17	3.59
CC133136		0.15	0.003	<0.2	2.51	13	<10	210	<0.5	<2	0.26	<0.5	13	32	14	5.03
CC133137		0.25	<0.001	0.2	2.63	8	<10	340	0.6	<2	0.50	<0.5	13	29	20	3.59
CC133138		0.31	0.001	<0.2	1.78	4	<10	240	<0.5	<2	0.45	<0.5	10	25	18	3.07
CC133139		0.40	0.002	<0.2	1.95	8	<10	220	<0.5	2	0.43	<0.5	11	28	19	3.18
CC133140		0.23	0.001	<0.2	2.07	5	<10	250	0.6	<2	0.47	<0.5	12	26	17	3.36



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
CC133101		10	1	0.06	10	0.44	225	<1	0.01	10	780	7	0.02	<2	5	22
CC133102		10	<1	0.06	10	0.53	377	<1	0.02	10	920	6	0.02	<2	4	25
CC133103		10	<1	0.07	10	0.62	344	<1	0.02	12	1060	6	0.06	<2	4	35
CC133104		10	1	0.12	20	0.69	398	<1	0.02	19	600	11	<0.01	2	10	29
CC133105		10	1	0.11	20	0.59	490	<1	0.02	11	980	9	<0.01	<2	6	23
CC133106		10	1	0.08	20	0.75	423	6	0.02	13	1140	7	0.08	<2	8	54
CC133107		10	1	0.05	50	0.40	1040	5	0.02	14	1710	7	0.20	<2	4	144
CC133108		10	1	0.05	10	0.89	541	2	0.02	10	1660	7	0.14	<2	7	93
CC133109		10	<1	0.08	20	0.94	352	4	0.02	21	920	9	0.01	<2	8	25
CC133110		10	<1	0.07	20	0.76	971	2	0.02	13	860	7	0.01	<2	6	27
CC133111		10	<1	0.09	20	0.83	424	1	0.02	16	710	7	<0.01	<2	7	25
CC133112		10	<1	0.09	20	0.72	567	3	0.02	17	810	7	0.01	<2	6	24
CC133113		10	<1	0.06	10	0.50	584	4	0.02	12	800	8	0.03	<2	4	26
CC133114		10	<1	0.08	10	0.73	285	1	0.02	13	740	9	0.01	<2	5	22
CC133115		10	<1	0.07	20	0.65	1030	2	0.02	14	1100	8	0.04	<2	5	29
CC133116		10	<1	0.13	10	0.66	676	1	0.02	11	820	7	0.01	<2	4	24
CC133117		10	<1	0.07	20	0.40	17850	3	0.03	12	1320	8	0.09	<2	5	34
CC133118		10	<1	0.10	10	0.59	303	1	0.02	11	770	10	<0.01	<2	4	23
CC133119		10	<1	0.14	20	0.66	353	1	0.02	11	900	8	<0.01	<2	6	25
CC133120		10	<1	0.09	20	0.58	3180	2	0.02	16	1900	10	0.11	<2	6	41
CC133121		10	<1	0.09	20	0.68	456	7	0.03	17	930	7	<0.01	<2	5	28
CC133122		10	<1	0.06	10	0.41	345	1	0.03	19	680	7	0.09	<2	2	23
CC133123		10	<1	0.08	20	0.49	1360	6	0.03	16	630	9	0.02	<2	4	32
CC133124		10	<1	0.09	10	0.37	399	4	0.02	13	500	9	0.02	<2	3	21
CC133125		10	<1	0.10	30	0.42	282	7	0.02	14	670	8	0.04	<2	6	32
CC133126		10	<1	0.12	10	0.62	529	1	0.02	17	750	8	<0.01	<2	5	28
CC133127		10	<1	0.17	20	0.75	411	5	0.03	15	870	10	0.01	<2	10	31
CC133128		10	<1	0.17	20	0.75	447	6	0.03	19	930	11	<0.01	<2	10	31
CC133129		10	<1	0.10	10	0.69	427	3	0.02	14	710	8	0.01	<2	6	28
CC133130		10	<1	0.11	20	0.64	226	2	0.02	14	790	9	0.02	<2	6	33
CC133131		10	<1	0.13	10	0.68	804	2	0.02	14	690	9	0.04	<2	5	46
CC133132		10	<1	0.12	20	1.07	454	1	0.03	9	1110	7	0.02	<2	9	34
CC133133		10	<1	0.13	20	0.82	332	<1	0.02	18	620	10	<0.01	<2	10	26
CC133134		10	<1	0.11	20	0.89	460	<1	0.02	17	750	9	<0.01	<2	8	22
CC133135		10	<1	0.09	10	0.83	448	<1	0.02	15	760	7	<0.01	<2	5	24
CC133136		10	<1	0.05	10	0.75	313	<1	0.02	12	850	11	0.02	<2	5	19
CC133137		10	<1	0.16	20	0.69	515	1	0.02	18	670	9	0.04	<2	5	37
CC133138		10	<1	0.15	20	0.71	418	<1	0.02	13	800	8	<0.01	<2	5	25
CC133139		10	<1	0.11	20	0.67	471	<1	0.02	16	830	8	<0.01	<2	5	24
CC133140		10	<1	0.12	30	0.69	943	<1	0.03	15	890	11	<0.01	<2	8	26



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
CC133101		<20	0.09	<10	<10	57	<10	44
CC133102		<20	0.11	<10	<10	58	<10	50
CC133103		<20	0.10	<10	<10	67	<10	70
CC133104		<20	0.16	<10	<10	88	<10	75
CC133105		<20	0.12	<10	<10	66	<10	55
CC133106		<20	0.16	<10	10	85	<10	79
CC133107		<20	0.05	<10	60	56	<10	49
CC133108		<20	0.13	<10	10	76	<10	90
CC133109		<20	0.18	<10	<10	92	<10	77
CC133110		<20	0.14	<10	<10	81	<10	61
CC133111		<20	0.17	<10	<10	87	<10	65
CC133112		<20	0.14	<10	<10	80	<10	63
CC133113		<20	0.08	<10	<10	56	<10	48
CC133114		<20	0.11	<10	<10	68	<10	64
CC133115		<20	0.10	<10	<10	75	<10	61
CC133116		<20	0.15	<10	<10	74	<10	69
CC133117		<20	0.06	<10	<10	65	<10	62
CC133118		<20	0.10	<10	<10	64	<10	54
CC133119		<20	0.12	<10	<10	71	<10	61
CC133120		<20	0.08	<10	<10	88	<10	71
CC133121		<20	0.11	<10	<10	68	<10	64
CC133122		<20	0.07	<10	<10	55	<10	67
CC133123		<20	0.10	<10	<10	72	<10	60
CC133124		<20	0.10	<10	<10	70	<10	50
CC133125		<20	0.06	<10	<10	70	<10	53
CC133126		<20	0.11	<10	<10	75	<10	75
CC133127		<20	0.11	<10	<10	79	<10	78
CC133128		<20	0.12	<10	<10	81	<10	77
CC133129		<20	0.11	<10	<10	78	<10	70
CC133130		<20	0.10	<10	<10	78	<10	55
CC133131		<20	0.11	<10	<10	75	<10	86
CC133132		<20	0.19	<10	<10	82	<10	96
CC133133		<20	0.06	<10	<10	72	<10	60
CC133134		<20	0.14	<10	<10	86	<10	69
CC133135		<20	0.12	<10	<10	76	<10	62
CC133136		<20	0.07	<10	<10	93	<10	63
CC133137		<20	0.10	<10	<10	81	<10	71
CC133138		<20	0.14	<10	<10	73	<10	62
CC133139		<20	0.12	<10	<10	70	<10	58
CC133140		<20	0.10	<10	<10	70	<10	62



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC133141		0.36	0.008	<0.2	1.71	5	<10	330	<0.5	<2	0.56	<0.5	11	31	24	3.04
CC133142		0.30	0.002	<0.2	1.71	7	<10	270	<0.5	<2	0.51	<0.5	12	26	14	3.21
CC133143		0.18	0.002	<0.2	1.16	4	<10	100	<0.5	<2	0.13	<0.5	6	19	8	1.74
CC133144		0.15	0.003	<0.2	2.07	6	<10	320	0.5	<2	0.58	<0.5	10	32	17	3.02
CC133145		0.12	<0.001	<0.2	1.12	7	<10	80	<0.5	<2	0.17	<0.5	6	22	24	1.96
CC133146		0.22	0.001	<0.2	2.36	16	<10	140	0.5	<2	0.18	<0.5	10	31	24	3.23
CC133147		0.19	<0.001	0.2	2.27	31	<10	200	0.8	<2	0.46	<0.5	10	45	30	3.56
CC133148		0.21	0.004	<0.2	1.57	10	<10	230	<0.5	<2	0.62	<0.5	9	30	17	2.78
CC133149		0.18	0.006	0.6	2.68	9	<10	370	0.8	<2	0.46	<0.5	6	28	23	3.06
CC133150		0.27	0.001	<0.2	1.46	10	<10	180	0.5	<2	0.23	<0.5	9	16	11	2.80
CC133151		0.27	0.005	<0.2	2.21	10	<10	190	0.5	<2	0.24	<0.5	10	31	20	3.35
CC133152		0.24	0.001	0.2	2.47	5	<10	310	0.5	<2	0.51	<0.5	11	30	21	3.70
CC133153		0.17	0.003	0.2	1.63	3	<10	310	0.5	<2	0.50	<0.5	15	21	18	2.75
CC133154		0.21	0.002	<0.2	1.64	6	<10	310	<0.5	<2	0.45	<0.5	12	20	15	3.31
CC133155		0.25	0.003	<0.2	2.13	7	<10	310	<0.5	<2	0.48	<0.5	9	28	23	3.36
CC133156		0.39	0.002	0.3	2.45	6	<10	220	0.6	<2	0.35	<0.5	9	26	20	3.05
CC133157		0.16	0.003	0.2	1.92	4	<10	220	<0.5	<2	0.54	<0.5	10	26	15	3.11
CC133158		0.20	0.004	0.3	2.42	3	<10	230	<0.5	<2	0.56	<0.5	8	26	16	3.06
CC133159		0.35	0.002	<0.2	2.66	9	<10	220	0.6	<2	0.45	<0.5	11	34	28	3.72
CC133160		0.50	0.006	0.2	2.42	7	<10	220	0.5	<2	0.45	<0.5	11	31	27	3.35
CC133161		0.09	0.004	0.5	1.80	76	<10	140	<0.5	<2	0.39	<0.5	8	57	25	2.76
CC133162		0.13	0.023	0.2	1.79	86	<10	220	0.5	<2	0.55	<0.5	24	61	28	3.41
CC133163		0.17	0.013	0.3	2.20	147	<10	280	0.6	<2	0.52	<0.5	16	98	42	4.12
CC133164		0.33	0.002	0.4	1.33	78	<10	240	<0.5	<2	0.23	<0.5	9	29	25	3.46
CC133165		0.19	0.003	<0.2	0.80	9	<10	150	<0.5	<2	0.15	0.5	3	16	8	1.62
CC133166		0.31	0.004	<0.2	1.40	12	<10	180	<0.5	<2	0.15	<0.5	5	24	11	2.36
CC133167		0.38	0.009	<0.2	1.81	11	<10	630	0.8	<2	0.25	<0.5	7	22	13	2.97
CC133168		0.37	<0.001	<0.2	2.00	5	<10	340	0.8	<2	0.43	<0.5	11	18	10	3.84
CC133169		0.31	0.002	<0.2	0.88	5	<10	180	<0.5	<2	0.25	<0.5	3	11	3	1.86
CC133170		0.40	0.008	<0.2	0.81	9	<10	240	0.6	<2	0.16	<0.5	4	18	8	1.46
CC133171		0.07	0.015	0.5	1.48	56	<10	220	0.6	<2	0.80	<0.5	7	46	31	2.75
CC133172		0.26	0.011	0.3	1.98	52	<10	170	<0.5	<2	0.46	<0.5	10	67	21	2.82
CC133173		0.35	0.012	0.2	2.12	80	<10	160	0.5	<2	0.46	<0.5	9	68	25	3.03
CC133174		0.15	0.011	0.2	1.92	47	<10	190	0.5	<2	0.67	<0.5	8	66	27	2.68
CC133175		0.17	0.028	0.2	1.87	119	<10	140	0.5	<2	0.50	<0.5	11	59	32	2.92
CC133176		0.17	0.031	0.4	1.85	365	<10	150	0.5	<2	0.77	<0.5	18	91	38	3.33
CC133177		0.17	0.017	0.2	2.23	48	<10	160	1.5	<2	0.55	<0.5	9	33	13	3.42
CC133178		0.08	0.005	0.2	0.61	7	<10	90	<0.5	<2	0.15	0.5	4	16	12	1.47
CC133179		0.19	0.016	0.4	2.51	63	<10	630	0.8	<2	1.05	<0.5	10	53	28	3.23
CC133180		0.18	0.005	0.3	1.41	38	<10	130	<0.5	<2	0.22	<0.5	5	23	15	2.75



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
CC133141		10	<1	0.12	20	0.66	475	<1	0.03	17	930	8	<0.01	<2	7	34
CC133142		10	<1	0.09	10	0.67	741	<1	0.03	13	340	8	0.02	<2	5	34
CC133143		10	<1	0.04	10	0.25	145	1	0.02	9	560	7	0.04	<2	2	14
CC133144		10	<1	0.07	20	0.52	433	1	0.02	15	1100	10	0.08	<2	7	38
CC133145		<10	<1	0.04	10	0.27	284	1	0.02	16	690	9	0.09	<2	1	18
CC133146		10	<1	0.09	10	0.62	499	1	0.02	22	610	9	0.05	<2	4	17
CC133147		10	<1	0.09	30	0.64	639	1	0.02	21	800	11	0.05	<2	5	25
CC133148		10	<1	0.08	10	0.51	584	1	0.02	16	1060	9	0.06	<2	2	36
CC133149		10	<1	0.11	30	0.48	262	<1	0.01	10	1350	27	0.10	<2	11	29
CC133150		<10	<1	0.07	20	0.40	458	1	0.01	9	730	12	0.02	<2	3	15
CC133151		10	<1	0.04	10	0.56	398	2	0.01	19	530	8	0.02	<2	4	17
CC133152		10	<1	0.08	10	0.70	755	<1	0.02	15	730	8	0.04	<2	6	33
CC133153		10	<1	0.07	20	0.36	1185	3	0.02	10	1480	9	0.13	<2	2	37
CC133154		10	<1	0.08	20	0.73	734	1	0.02	11	550	6	0.03	<2	5	27
CC133155		10	1	0.08	10	0.65	461	4	0.02	16	520	8	0.03	<2	4	37
CC133156		10	<1	0.08	20	0.60	488	1	0.01	16	810	11	0.02	<2	4	25
CC133157		10	<1	0.06	10	0.77	469	<1	0.02	12	870	7	0.02	<2	5	29
CC133158		10	<1	0.06	20	0.81	352	1	0.02	10	920	9	0.05	2	6	32
CC133159		10	<1	0.09	20	0.84	402	1	0.02	18	690	9	0.01	<2	7	29
CC133160		10	<1	0.09	10	0.76	561	<1	0.02	21	450	8	0.02	<2	6	29
CC133161		10	<1	0.08	20	0.69	243	1	0.02	24	910	13	0.06	2	5	24
CC133162		10	1	0.09	20	0.76	1970	4	0.03	26	1010	8	0.07	3	5	31
CC133163		10	<1	0.16	10	1.09	685	2	0.03	64	600	8	0.02	3	9	29
CC133164		10	<1	0.09	10	0.24	302	15	0.01	27	440	17	0.02	5	2	21
CC133165		<10	<1	0.08	10	0.21	202	4	0.01	7	240	15	0.01	<2	1	18
CC133166		10	<1	0.08	10	0.32	336	3	0.01	11	250	13	0.01	<2	3	17
CC133167		10	<1	0.10	20	0.25	562	1	0.02	8	490	12	0.01	<2	4	32
CC133168		10	<1	0.17	30	0.58	863	<1	0.02	11	640	21	0.01	<2	6	36
CC133169		<10	<1	0.09	10	0.18	345	<1	0.01	4	220	12	<0.01	<2	2	37
CC133170		<10	<1	0.05	10	0.24	337	4	0.01	7	200	21	<0.01	2	2	24
CC133171		10	<1	0.05	20	0.53	434	3	0.03	21	1320	7	0.10	14	4	40
CC133172		10	<1	0.08	10	0.85	268	1	0.03	28	630	10	0.02	2	5	25
CC133173		10	<1	0.12	10	0.93	281	1	0.03	29	870	11	0.02	2	5	24
CC133174		10	<1	0.09	20	0.92	435	1	0.04	26	690	7	0.05	<2	5	33
CC133175		10	<1	0.07	10	0.82	294	1	0.03	24	750	9	0.05	2	5	26
CC133176		10	<1	0.08	10	0.97	603	2	0.03	30	790	9	0.07	2	5	32
CC133177		10	1	0.05	10	0.63	1055	<1	0.02	26	980	15	0.05	3	5	32
CC133178		<10	<1	0.04	<10	0.11	314	3	0.02	8	600	6	0.06	<2	1	16
CC133179		10	<1	0.11	20	0.68	690	1	0.03	38	950	9	0.06	2	10	41
CC133180		10	<1	0.05	10	0.31	209	1	0.02	8	500	9	0.03	3	3	24



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
CC133141		<20	0.14	<10	<10	71	<10	63
CC133142		<20	0.11	<10	<10	73	<10	63
CC133143		<20	0.06	<10	<10	48	<10	40
CC133144		<20	0.07	<10	<10	68	<10	58
CC133145		<20	0.05	<10	<10	47	<10	47
CC133146		<20	0.10	<10	<10	70	<10	64
CC133147		<20	0.06	<10	<10	74	<10	54
CC133148		<20	0.05	<10	<10	59	<10	83
CC133149		<20	0.01	<10	<10	58	<10	50
CC133150		<20	0.02	<10	<10	53	<10	46
CC133151		<20	0.07	<10	<10	81	<10	53
CC133152		<20	0.06	<10	<10	85	<10	81
CC133153		<20	0.04	<10	<10	65	<10	44
CC133154		<20	0.08	<10	<10	72	<10	65
CC133155		<20	0.06	<10	<10	81	<10	63
CC133156		<20	0.05	<10	<10	68	<10	52
CC133157		<20	0.12	<10	<10	76	<10	70
CC133158		<20	0.07	<10	<10	77	<10	62
CC133159		<20	0.10	<10	<10	83	<10	70
CC133160		<20	0.09	<10	<10	75	<10	66
CC133161		<20	0.07	<10	<10	61	<10	64
CC133162		<20	0.08	<10	<10	81	<10	73
CC133163		<20	0.15	<10	<10	115	<10	113
CC133164		<20	0.02	<10	<10	80	<10	84
CC133165		<20	0.04	<10	<10	44	<10	37
CC133166		<20	0.07	<10	<10	62	<10	39
CC133167		<20	0.02	<10	<10	57	<10	46
CC133168		20	0.07	<10	<10	60	<10	86
CC133169		<20	0.02	<10	<10	33	<10	34
CC133170		20	0.05	<10	<10	30	<10	32
CC133171		<20	0.05	<10	<10	56	<10	60
CC133172		<20	0.10	<10	<10	72	<10	80
CC133173		<20	0.12	<10	<10	84	<10	84
CC133174		<20	0.12	<10	<10	71	<10	73
CC133175		<20	0.08	<10	<10	67	<10	60
CC133176		<20	0.10	<10	<10	74	<10	61
CC133177		<20	0.03	<10	<10	73	<10	70
CC133178		<20	0.05	<10	<10	52	<10	43
CC133179		<20	0.07	<10	<10	90	<10	88
CC133180		<20	0.08	<10	<10	88	<10	37



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC133181		0.19	0.006	0.2	1.81	15	<10	130	<0.5	<2	0.31	<0.5	11	34	20	3.35
CC133182		0.08	NSS	0.6	2.48	47	<10	180	0.5	<2	0.74	0.5	13	33	29	3.82
CC133183		0.19	<0.001	0.3	2.14	12	<10	210	<0.5	<2	0.69	0.6	11	31	16	3.17
CC133184		0.29	<0.001	<0.2	1.46	9	<10	130	<0.5	<2	0.40	<0.5	11	27	18	3.17
CC133185		0.50	0.004	<0.2	2.14	9	<10	200	0.5	<2	0.57	<0.5	10	30	22	3.60
CC133186		0.19	<0.001	0.3	1.88	11	<10	180	<0.5	<2	0.35	<0.5	9	30	21	3.21
CC133187		0.16	0.010	0.3	1.39	29	<10	300	<0.5	<2	0.47	<0.5	11	25	26	2.57
CC133188		0.32	0.003	0.3	2.19	20	<10	190	0.5	<2	0.38	<0.5	11	30	33	3.32
CC133189		0.35	0.004	0.2	2.37	23	<10	190	0.5	<2	0.52	<0.5	14	33	31	3.59
CC133190		0.44	0.004	0.3	2.20	91	<10	360	0.5	<2	0.47	<0.5	14	32	43	3.92
CC133191		0.27	0.007	0.2	2.05	97	<10	180	0.5	<2	0.62	<0.5	14	35	39	3.51
CC133192		0.29	0.004	0.2	2.06	72	<10	160	<0.5	<2	0.38	<0.5	10	32	23	3.27
CC133193		0.50	0.008	0.4	2.50	319	<10	210	0.6	<2	0.53	<0.5	17	38	36	5.41
CC133194		0.17	0.007	0.2	2.06	52	<10	120	0.5	2	0.31	<0.5	12	41	29	3.68
CC133195		0.32	0.007	0.2	2.13	26	<10	60	<0.5	<2	0.12	<0.5	6	33	16	3.50
CC133196		0.26	0.051	<0.2	2.45	31	<10	80	0.6	<2	0.27	<0.5	15	48	34	3.59
CC133197		0.23	0.015	0.2	2.69	48	<10	150	0.8	<2	0.28	<0.5	16	40	43	4.26
CC133198		0.16	0.044	0.3	2.26	160	<10	180	0.6	<2	0.36	<0.5	15	30	49	3.94
CC133199		0.08	0.025	0.4	2.44	231	<10	210	0.5	<2	0.39	0.6	23	30	122	4.01
CC133200		0.08	0.062	0.8	2.04	216	<10	110	<0.5	2	0.36	<0.5	14	28	70	3.60
CC133201		0.11	0.061	0.3	1.57	56	<10	260	<0.5	<2	0.20	<0.5	9	35	27	4.09
CC133202		0.19	0.066	0.4	1.82	447	<10	490	0.6	2	0.35	1.5	28	44	35	4.23
CC133203		0.28	0.014	0.2	2.32	76	<10	290	0.5	<2	0.20	<0.5	17	41	25	3.84
CC133204		0.32	0.046	0.4	2.41	85	<10	130	0.5	<2	0.14	<0.5	12	48	24	4.09
CC133205		0.13	0.502	0.6	1.43	95	<10	220	0.5	<2	0.17	0.6	9	39	32	3.28
CC133206		0.20	0.365	0.4	1.52	810	<10	470	0.8	2	0.22	0.5	25	37	124	4.56
CC133207		0.16	0.029	1.1	1.15	206	<10	190	<0.5	2	0.16	<0.5	12	31	35	3.04
CC133208		0.16	0.052	0.4	1.34	108	<10	290	0.7	<2	0.92	<0.5	9	37	25	2.39
CC133209		0.23	0.031	0.4	1.62	118	<10	350	1.0	<2	0.74	<0.5	11	37	20	3.09
CC133210		0.16	0.030	0.4	1.59	110	<10	460	0.9	<2	0.78	<0.5	10	35	27	3.05
CC133211		0.35	0.002	0.2	2.77	15	<10	360	0.5	<2	0.43	<0.5	13	33	20	3.74
CC133212		0.30	0.004	0.2	2.51	72	<10	260	<0.5	<2	0.44	<0.5	11	32	14	3.76
CC133213		0.31	0.004	0.2	2.48	9	<10	320	<0.5	<2	0.51	<0.5	11	32	18	3.63
CC133214		0.23	0.002	<0.2	2.06	8	<10	320	<0.5	<2	0.49	<0.5	11	28	17	3.35
CC133215		0.41	0.003	0.2	2.24	6	<10	240	<0.5	<2	0.48	<0.5	10	27	14	3.19
CC133216		0.37	0.003	0.2	2.48	7	<10	320	0.5	2	0.46	<0.5	13	30	19	3.29
CC133217		0.28	0.003	<0.2	2.42	10	<10	220	0.5	<2	0.44	<0.5	11	30	18	3.38
CC133218		0.10	0.007	0.2	1.41	5	<10	330	<0.5	<2	0.62	<0.5	5	24	18	2.46
CC133219		0.46	0.004	<0.2	2.34	11	<10	400	0.6	<2	0.52	<0.5	13	39	25	3.40
CC133220		0.18	0.003	0.2	2.53	18	<10	280	<0.5	<2	0.40	<0.5	18	50	21	4.25



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
CC133181		10	<1	0.08	10	0.69	416	1	0.02	19	610	11	0.06	<2	3	30
CC133182		10	<1	0.10	10	0.71	532	1	0.02	16	840	14	0.08	<2	4	62
CC133183		10	<1	0.06	10	0.59	631	1	0.01	17	810	14	0.08	<2	3	41
CC133184		10	<1	0.08	10	0.52	568	1	0.01	16	680	12	0.06	<2	3	28
CC133185		<10	<1	0.09	10	0.72	422	1	0.01	16	760	12	0.03	<2	7	32
CC133186		10	<1	0.05	10	0.59	391	1	0.02	20	810	11	0.06	<2	3	25
CC133187		<10	<1	0.05	10	0.37	672	2	0.02	15	1190	14	0.12	<2	1	38
CC133188		10	<1	0.04	10	0.55	475	1	0.01	18	680	11	0.06	2	3	29
CC133189		<10	<1	0.06	10	0.72	603	1	0.01	21	1030	10	0.03	<2	5	35
CC133190		<10	<1	0.08	20	0.83	1170	1	0.02	21	910	12	0.03	<2	9	38
CC133191		<10	<1	0.11	20	0.72	464	1	0.02	19	930	10	0.02	2	9	35
CC133192		10	<1	0.06	10	0.52	328	2	0.01	18	630	11	0.05	<2	4	27
CC133193		<10	<1	0.09	20	0.76	569	1	0.02	23	780	16	0.03	2	10	32
CC133194		10	<1	0.06	10	0.75	411	1	0.01	18	620	12	0.06	3	3	25
CC133195		10	<1	0.04	10	0.37	199	2	<0.01	12	360	12	0.04	<2	3	13
CC133196		10	<1	0.06	10	0.79	513	1	0.01	24	540	11	0.04	<2	4	21
CC133197		10	<1	0.10	20	1.04	721	1	0.01	20	590	12	0.04	2	7	22
CC133198		10	<1	0.10	10	0.76	510	1	0.01	17	740	12	0.07	3	5	25
CC133199		10	<1	0.17	10	0.86	398	1	0.01	16	690	10	0.06	2	6	28
CC133200		10	<1	0.06	10	0.50	237	1	<0.01	16	680	11	0.06	2	3	27
CC133201		10	<1	0.06	10	0.38	400	2	<0.01	21	830	14	0.09	2	2	17
CC133202		<10	<1	0.14	10	0.55	674	4	<0.01	62	1000	128	0.05	15	6	26
CC133203		10	<1	0.09	10	0.60	458	1	0.01	33	630	14	0.06	<2	4	16
CC133204		10	<1	0.08	10	0.52	507	2	<0.01	24	730	12	0.07	3	3	13
CC133205		10	<1	0.07	10	0.32	229	3	0.01	20	780	12	0.06	2	1	16
CC133206		<10	<1	0.08	20	0.47	575	8	0.01	44	590	23	0.06	20	6	18
CC133207		<10	<1	0.08	10	0.26	831	3	0.01	18	780	10	0.09	3	2	19
CC133208		<10	<1	0.09	20	0.43	436	6	0.01	19	1060	18	0.11	<2	7	43
CC133209		<10	<1	0.13	20	0.55	530	9	0.01	30	760	15	0.06	4	10	33
CC133210		<10	<1	0.11	20	0.47	419	8	0.01	38	860	15	0.07	2	6	33
CC133211		10	<1	0.09	10	0.85	435	2	0.01	17	730	12	0.03	<2	7	26
CC133212		10	<1	0.09	10	0.79	317	1	0.01	16	690	10	0.03	<2	5	25
CC133213		10	<1	0.09	20	0.78	510	1	0.01	16	710	9	0.04	<2	6	32
CC133214		10	<1	0.08	10	0.72	758	1	0.01	15	760	9	0.05	<2	4	32
CC133215		<10	<1	0.16	10	0.82	350	<1	0.01	13	860	9	0.02	<2	5	25
CC133216		10	<1	0.10	20	0.84	471	<1	0.01	16	770	12	0.03	<2	7	24
CC133217		10	<1	0.12	20	0.78	359	1	0.02	18	740	12	0.02	<2	5	26
CC133218		10	<1	0.06	20	0.37	201	3	0.02	13	630	9	0.06	<2	3	47
CC133219		10	<1	0.09	20	0.67	334	<1	0.02	23	830	10	0.02	<2	8	34
CC133220		10	<1	0.06	10	0.69	613	<1	0.02	22	670	13	0.02	<2	6	25



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
CC133181		<20	0.12	<10	<10	100	<10	60
CC133182		<20	0.13	<10	<10	103	<10	75
CC133183		<20	0.08	<10	<10	80	<10	75
CC133184		<20	0.09	<10	<10	80	<10	71
CC133185		<20	0.08	<10	<10	77	<10	72
CC133186		<20	0.08	<10	<10	77	<10	66
CC133187		<20	0.04	<10	<10	67	<10	48
CC133188		<20	0.07	<10	<10	78	<10	54
CC133189		<20	0.10	<10	<10	85	<10	66
CC133190		<20	0.10	<10	<10	86	<10	70
CC133191		<20	0.12	<10	<10	82	<10	66
CC133192		<20	0.10	<10	<10	81	<10	53
CC133193		<20	0.11	<10	<10	90	<10	72
CC133194		<20	0.12	<10	<10	97	<10	63
CC133195		<20	0.12	<10	<10	101	<10	38
CC133196		<20	0.14	<10	<10	98	<10	58
CC133197		<20	0.10	<10	<10	109	<10	60
CC133198		<20	0.10	<10	<10	95	<10	55
CC133199		<20	0.18	<10	<10	110	<10	66
CC133200		<20	0.11	<10	<10	91	<10	58
CC133201		<20	0.09	<10	<10	95	<10	72
CC133202		<20	0.06	<10	<10	107	<10	236
CC133203		<20	0.09	<10	<10	82	<10	73
CC133204		<20	0.08	<10	<10	80	<10	57
CC133205		<20	0.04	<10	<10	97	<10	66
CC133206		<20	0.05	<10	<10	81	<10	104
CC133207		<20	0.07	<10	<10	74	<10	50
CC133208		<20	0.03	<10	<10	60	<10	54
CC133209		<20	0.03	<10	<10	72	<10	69
CC133210		<20	0.04	<10	<10	76	<10	64
CC133211		<20	0.09	<10	<10	90	<10	75
CC133212		<20	0.10	<10	<10	92	<10	71
CC133213		<20	0.12	<10	<10	83	<10	69
CC133214		<20	0.09	<10	<10	77	<10	69
CC133215		<20	0.17	<10	<10	80	<10	66
CC133216		<20	0.15	<10	<10	94	<10	82
CC133217		<20	0.14	<10	<10	82	<10	66
CC133218		<20	0.09	<10	<10	73	<10	44
CC133219		<20	0.13	<10	<10	88	<10	74
CC133220		<20	0.08	<10	<10	98	<10	85



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Project: Selwyn LLL

CERTIFICATE OF ANALYSIS WH11127771

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC133221		0.23	0.004	<0.2	2.63	17	<10	290	0.6	<2	0.60	<0.5	14	40	44	3.80
CC133222		0.09	NSS	0.4	2.79	72	<10	380	1.0	<2	0.47	<0.5	16	34	61	3.55
CC133223		0.08	0.001	<0.2	2.06	12	<10	250	<0.5	<2	0.74	<0.5	11	32	25	3.26
CC133224		0.25	0.004	<0.2	2.37	17	<10	310	0.5	<2	0.57	<0.5	15	51	33	3.67
CC133225		0.30	0.009	0.2	2.61	21	<10	440	0.6	<2	0.51	<0.5	13	66	41	3.85
CC133226		0.17	0.001	0.8	4.20	15	<10	540	0.7	<2	0.50	<0.5	12	59	42	6.03
CC133227		0.19	<0.001	0.3	2.75	19	<10	370	0.6	<2	0.63	<0.5	20	59	46	4.21
CC133228		0.17	0.014	0.3	2.42	15	<10	160	0.5	<2	0.33	<0.5	12	36	27	3.59
CC133229		0.12	<0.001	0.2	1.93	8	<10	290	<0.5	<2	0.43	<0.5	10	32	21	3.27
CC133230		0.24	0.002	<0.2	2.17	13	<10	110	<0.5	<2	0.16	<0.5	8	32	22	3.06
CC133231		0.26	0.012	0.5	1.17	77	<10	460	<0.5	<2	0.30	0.8	9	28	25	2.66
CC133232		0.23	0.024	0.2	2.01	70	<10	340	0.6	<2	0.33	<0.5	14	48	29	3.19
CC133233		0.25	0.013	0.2	1.78	98	<10	2190	0.6	<2	0.41	<0.5	10	39	15	3.75
CC133234		0.14	<0.001	0.3	1.52	55	<10	270	<0.5	<2	0.33	<0.5	9	32	14	3.03
CC133235		0.25	0.004	<0.2	2.04	14	<10	90	<0.5	<2	0.15	<0.5	6	29	18	2.78
CC133236		0.24	0.014	0.2	2.59	41	<10	180	0.7	<2	0.29	<0.5	16	39	48	3.57
CC133237		0.31	0.008	<0.2	2.89	21	<10	80	0.6	<2	0.17	<0.5	11	35	25	3.65
CC133238		0.23	0.002	0.2	2.31	15	<10	110	0.6	<2	0.38	<0.5	13	54	41	3.52
CC133239		0.14	NSS	0.2	1.93	12	<10	80	<0.5	<2	0.24	<0.5	8	33	16	3.09
CC133240		0.23	0.003	<0.2	2.42	14	<10	120	0.5	<2	0.23	<0.5	10	36	17	3.33
CC133241		0.10	0.003	0.3	2.30	25	<10	190	0.5	<2	0.71	<0.5	13	39	24	3.04
CC133242		0.20	0.013	0.7	2.26	439	<10	180	0.5	21	0.43	<0.5	14	28	41	3.86
CC133243		0.09	0.003	<0.2	2.62	51	<10	80	0.5	<2	0.15	<0.5	9	33	21	3.94
CC133244		0.23	0.001	0.2	1.85	44	<10	70	<0.5	<2	0.16	<0.5	7	27	19	3.81
CC133245		0.24	<0.001	0.2	2.46	12	<10	120	<0.5	<2	0.31	<0.5	10	30	16	3.51
CC133246		0.40	0.003	<0.2	2.11	10	<10	180	0.5	<2	0.57	<0.5	10	33	27	3.17
CC133247		0.43	0.001	0.2	1.72	13	<10	190	<0.5	<2	0.62	<0.5	12	33	29	3.08
CC133248		0.45	0.001	<0.2	2.78	11	<10	220	0.6	<2	0.37	<0.5	10	39	34	3.31
CC133249		0.42	<0.001	<0.2	2.16	7	<10	220	<0.5	<2	0.48	<0.5	12	31	23	3.20
CC133250		0.21	<0.001	0.2	1.63	10	<10	130	<0.5	<2	0.30	<0.5	8	27	21	2.84



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CERTIFICATE OF ANALYSIS WH11127771

Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
CC133221		10	<1	0.08	20	0.90	555	<1	0.03	24	820	12	0.02	2	10	39
CC133222		10	<1	0.06	40	0.59	604	1	0.02	18	700	11	0.07	<2	10	37
CC133223		10	<1	0.08	10	0.81	540	<1	0.02	23	620	7	0.05	<2	5	34
CC133224		10	<1	0.09	20	0.98	404	<1	0.02	26	810	13	0.02	2	7	29
CC133225		10	1	0.10	20	0.95	519	1	0.02	35	890	13	0.03	<2	8	28
CC133226		10	1	0.13	20	0.62	345	1	0.02	38	1330	20	0.14	2	10	37
CC133227		10	<1	0.11	10	1.02	1245	1	0.03	34	840	13	0.05	<2	7	36
CC133228		10	<1	0.07	10	0.74	411	<1	0.02	24	570	9	0.02	<2	5	21
CC133229		10	<1	0.07	10	0.61	527	<1	0.02	21	550	8	0.06	<2	3	29
CC133230		10	<1	0.05	10	0.48	236	1	0.01	17	330	8	0.03	<2	3	15
CC133231		10	<1	0.08	10	0.23	297	8	0.02	30	460	15	0.05	2	3	24
CC133232		10	<1	0.12	20	0.76	560	2	0.02	43	620	10	0.02	3	6	20
CC133233		10	<1	0.07	10	0.51	498	4	0.03	39	660	16	0.06	3	6	25
CC133234		10	<1	0.06	10	0.33	452	4	0.01	23	760	14	0.07	3	3	21
CC133235		10	<1	0.07	10	0.35	173	1	0.01	13	510	9	0.06	<2	2	14
CC133236		10	1	0.12	20	0.85	511	1	0.02	30	530	11	0.04	3	9	24
CC133237		10	<1	0.07	10	0.72	342	1	0.02	17	450	9	0.05	<2	4	16
CC133238		10	1	0.10	10	0.99	344	<1	0.02	32	840	8	0.05	<2	5	26
CC133239		10	1	0.06	10	0.52	386	1	0.02	15	610	9	0.07	<2	3	19
CC133240		10	<1	0.07	10	0.56	404	1	0.02	17	680	8	0.08	<2	3	22
CC133241		10	<1	0.08	10	0.75	799	<1	0.02	16	920	12	0.10	<2	6	38
CC133242		10	<1	0.10	20	0.76	678	1	0.02	14	850	24	0.08	7	7	32
CC133243		10	<1	0.05	10	0.41	275	1	0.01	17	460	11	0.08	2	4	14
CC133244		10	<1	0.05	10	0.42	291	1	0.01	12	430	10	0.04	<2	3	16
CC133245		10	<1	0.04	10	0.65	320	<1	0.01	17	710	10	0.04	<2	5	20
CC133246		10	<1	0.08	20	0.83	473	<1	0.03	18	890	7	0.01	2	7	32
CC133247		10	<1	0.09	20	0.71	510	<1	0.03	20	1030	11	0.01	2	6	37
CC133248		10	<1	0.07	20	0.78	311	<1	0.02	20	550	8	0.02	2	8	28
CC133249		10	<1	0.05	10	0.81	611	<1	0.02	19	970	10	0.02	<2	5	34
CC133250		10	<1	0.04	10	0.45	371	1	0.02	16	960	9	0.10	<2	2	26



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
CC133221		<20	0.11	<10	<10	93	<10	71
CC133222		<20	0.05	<10	<10	76	<10	57
CC133223		<20	0.08	<10	<10	75	<10	61
CC133224		<20	0.14	<10	<10	99	<10	85
CC133225		<20	0.10	<10	<10	101	<10	105
CC133226		<20	0.04	<10	<10	72	<10	97
CC133227		<20	0.13	<10	<10	120	<10	88
CC133228		<20	0.12	<10	<10	85	<10	60
CC133229		<20	0.08	<10	<10	74	<10	60
CC133230		<20	0.11	<10	<10	94	<10	47
CC133231		<20	0.07	<10	<10	84	<10	44
CC133232		<20	0.12	<10	<10	81	<10	59
CC133233		<20	0.06	<10	<10	97	<10	69
CC133234		<20	0.06	<10	<10	90	<10	58
CC133235		<20	0.09	<10	<10	79	<10	39
CC133236		<20	0.14	<10	<10	96	<10	66
CC133237		<20	0.14	<10	<10	111	<10	52
CC133238		<20	0.16	<10	<10	99	<10	59
CC133239		<20	0.13	<10	<10	90	<10	43
CC133240		<20	0.12	<10	<10	83	<10	57
CC133241		<20	0.11	<10	<10	85	<10	70
CC133242		<20	0.08	<10	<10	84	<10	81
CC133243		<20	0.11	<10	<10	95	<10	51
CC133244		<20	0.10	<10	<10	99	<10	51
CC133245		<20	0.10	<10	<10	80	<10	73
CC133246		<20	0.13	<10	<10	79	<10	64
CC133247		<20	0.13	<10	<10	76	<10	69
CC133248		<20	0.11	<10	<10	76	<10	58
CC133249		<20	0.10	<10	<10	79	<10	61
CC133250		<20	0.06	<10	<10	70	<10	60



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CERTIFICATE OF ANALYSIS WH11127771

Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non- sufficient sample.



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CERTIFICATE WH1127770

Project: LLL
P.O. No.:
This report is for 95 Soil samples submitted to our lab in Whitehorse, YT, Canada on 7- JUL- 2011.

The following have access to data associated with this certificate:

JOAN MARIACHER

HEATHER SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI- 21	Received Sample Weight
LOG- 22	Sample login - Rcd w/o BarCode
SCR- 41	Screen to - 180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au- ICP21	Au 30g FA ICP- AES Finish	ICP- AES
ME- ICP41	35 Element Aqua Regia ICP- AES	ICP- AES

To: **ARCHER, CATHRO AND ASSOCIATES (1981) LIMITED**
ATTN: JOAN MARIACHER
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This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS WH11127770

Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC133001		0.29	0.003	<0.2	2.22	8	<10	250	<0.5	2	0.47	<0.5	12	34	17	3.71
CC133002		0.22	0.004	<0.2	2.49	11	<10	290	0.5	<2	0.58	<0.5	12	39	38	3.31
CC133003		0.33	0.002	<0.2	2.10	10	<10	230	<0.5	<2	0.51	<0.5	13	33	32	3.43
CC133004		0.39	0.004	<0.2	2.18	9	<10	220	0.5	<2	0.48	<0.5	14	34	35	3.06
CC133005		0.11	0.004	0.2	2.46	12	<10	170	<0.5	<2	0.23	0.5	12	32	22	3.86
CC133006		0.13	0.030	0.7	1.81	94	<10	210	0.7	<2	0.34	<0.5	19	46	67	2.77
CC133007		0.13	0.008	0.3	2.27	89	<10	250	0.7	<2	0.56	<0.5	14	37	45	3.21
CC133008		0.09	0.010	0.7	2.03	34	<10	200	0.5	2	0.39	0.9	14	57	53	3.30
CC133009		0.16	0.001	0.2	2.02	32	<10	260	0.5	<2	0.37	<0.5	12	68	37	3.99
CC133010		0.20	0.004	<0.2	0.88	143	<10	100	<0.5	<2	0.11	<0.5	10	30	34	3.20
CC133011		0.19	0.002	<0.2	2.52	15	<10	110	0.5	<2	0.12	<0.5	11	38	15	3.62
CC133012		0.10	0.014	<0.2	1.45	14	<10	60	<0.5	<2	0.09	<0.5	7	26	13	3.00
CC133013		0.20	0.010	<0.2	2.40	24	<10	140	0.6	<2	0.13	<0.5	11	38	19	4.07
CC133014		0.21	0.001	<0.2	2.11	30	<10	180	0.5	<2	0.30	<0.5	15	61	29	4.17
CC133015		0.27	0.004	<0.2	2.34	16	<10	240	0.7	2	0.38	<0.5	14	54	37	3.25
CC133016		0.22	0.002	<0.2	2.42	17	<10	230	0.7	<2	0.38	<0.5	15	67	41	3.54
CC133017		0.25	0.004	0.4	2.58	36	<10	220	0.7	<2	0.32	<0.5	14	66	58	4.12
CC133021		0.31	0.006	<0.2	2.45	61	<10	110	<0.5	<2	0.22	<0.5	14	34	27	3.21
CC133022		0.24	0.002	<0.2	2.28	74	<10	180	0.5	<2	0.31	<0.5	15	32	23	3.65
CC133023		0.25	0.015	0.2	1.86	306	<10	180	0.5	3	0.41	<0.5	13	27	39	3.02
CC133024		0.21	0.003	<0.2	1.99	19	<10	180	<0.5	<2	0.28	<0.5	14	31	23	3.37
CC133025		0.45	0.002	<0.2	2.30	21	<10	110	<0.5	<2	0.19	<0.5	14	32	27	3.12
CC133026		0.24	0.004	<0.2	1.87	12	<10	160	<0.5	<2	0.32	<0.5	11	28	27	3.30
CC133027		0.17	0.001	<0.2	1.90	5	<10	260	<0.5	<2	0.68	<0.5	12	28	13	3.33
CC133028		0.25	0.002	<0.2	1.81	5	<10	220	<0.5	<2	0.62	<0.5	9	28	11	2.87
CC133029		0.14	<0.001	0.2	1.86	7	<10	470	<0.5	<2	0.90	<0.5	24	30	21	3.50
CC133030		0.26	0.004	<0.2	1.84	7	<10	210	<0.5	<2	0.45	<0.5	11	25	11	2.90
CC133031		0.14	0.113	0.8	1.07	443	<10	200	<0.5	2	0.34	<0.5	17	35	64	3.61
CC133032		0.06	0.009	0.2	0.76	24	<10	190	<0.5	<2	0.92	<0.5	11	28	35	1.58
CC133033		0.23	0.011	0.3	1.69	98	<10	140	<0.5	2	0.36	<0.5	14	46	26	3.73
CC133034		0.19	0.009	0.2	1.94	71	<10	170	<0.5	<2	0.34	<0.5	19	50	28	3.35
CC133035		0.29	0.010	0.5	2.67	91	<10	270	0.7	<2	0.68	<0.5	14	48	45	3.58
CC133036		0.25	0.004	0.4	2.34	97	<10	290	0.7	<2	0.59	<0.5	16	71	34	4.13
CC133037		0.22	0.004	0.4	2.10	68	<10	190	0.7	<2	0.28	<0.5	12	52	33	4.02
CC133038		0.37	0.003	0.3	1.92	73	<10	180	0.7	<2	0.25	<0.5	12	43	32	3.85
CC133039		0.26	0.006	0.2	1.62	18	<10	130	1.1	<2	0.12	<0.5	5	21	10	2.41
CC133040		0.33	0.007	0.2	1.47	7	<10	170	0.8	<2	0.35	<0.5	7	29	19	2.25
CC133041		0.37	0.002	<0.2	1.15	5	<10	160	0.8	<2	0.18	<0.5	5	19	8	1.95
CC133042		0.29	0.001	<0.2	1.88	15	<10	130	0.7	<2	0.14	<0.5	6	28	15	3.03
CC133043		0.22	NSS	1.1	2.03	57	<10	650	1.9	<2	1.33	1.1	11	36	44	2.91



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
CC133001		10	<1	0.10	20	0.67	410	2	0.02	16	750	11	0.02	<2	7	31
CC133002		10	<1	0.08	20	0.78	250	<1	0.02	21	760	11	0.02	<2	9	37
CC133003		10	<1	0.09	20	0.79	490	<1	0.02	18	860	10	0.01	<2	7	32
CC133004		10	<1	0.08	20	0.78	441	1	0.02	19	830	12	0.01	<2	7	32
CC133005		10	<1	0.06	10	0.56	327	1	0.02	20	520	12	0.04	<2	4	24
CC133006		10	<1	0.09	20	0.53	663	2	0.02	23	950	12	0.07	2	5	28
CC133007		10	<1	0.06	30	0.62	679	2	0.02	24	920	10	0.11	<2	5	44
CC133008		10	<1	0.10	10	0.62	834	4	0.02	39	840	13	0.04	3	5	31
CC133009		10	<1	0.18	10	0.78	357	2	0.01	40	450	12	0.01	4	7	27
CC133010		<10	<1	0.07	10	0.16	317	19	0.01	36	310	20	0.01	8	3	18
CC133011		10	<1	0.06	10	0.43	332	2	0.01	21	250	20	0.01	<2	4	19
CC133012		10	<1	0.06	10	0.21	411	3	0.01	12	340	18	0.01	<2	3	15
CC133013		10	<1	0.11	10	0.45	355	2	0.01	22	400	21	0.02	<2	4	19
CC133014		10	<1	0.14	10	0.76	461	2	0.01	37	420	11	0.01	2	6	25
CC133015		10	<1	0.09	20	0.72	444	2	0.01	31	610	11	0.02	2	6	30
CC133016		10	<1	0.13	20	0.98	463	2	0.02	37	600	9	0.01	<2	7	27
CC133017		10	<1	0.16	10	0.80	1050	3	0.01	47	610	14	0.02	3	7	28
CC133021		10	<1	0.08	10	0.65	431	<1	0.02	21	450	10	0.02	<2	4	21
CC133022		10	1	0.06	10	0.75	706	4	0.02	22	680	11	0.04	<2	5	30
CC133023		10	1	0.05	20	0.47	550	11	0.02	17	1040	10	0.11	2	3	37
CC133024		10	<1	0.05	10	0.65	464	2	0.01	21	470	12	0.03	<2	4	32
CC133025		10	1	0.07	10	0.68	446	1	0.01	24	380	10	0.03	<2	4	21
CC133026		10	<1	0.06	10	0.58	479	1	0.01	18	650	9	0.06	<2	2	41
CC133027		10	<1	0.08	10	0.69	542	2	0.02	13	1330	8	0.06	<2	5	41
CC133028		10	<1	0.08	10	0.67	268	1	0.02	13	1110	7	0.04	<2	5	36
CC133029		10	1	0.08	20	0.51	3720	6	0.02	15	1820	7	0.14	<2	5	61
CC133030		10	<1	0.07	10	0.63	410	2	0.02	12	760	8	0.02	<2	5	28
CC133031		<10	<1	0.10	10	0.33	441	6	0.01	23	1080	14	0.08	7	3	27
CC133032		<10	<1	0.04	20	0.24	426	1	0.02	16	1190	3	0.15	<2	2	49
CC133033		10	<1	0.10	10	0.68	524	2	0.02	25	940	14	0.03	4	5	23
CC133034		10	<1	0.10	10	0.72	1110	2	0.02	26	790	13	0.05	<2	4	26
CC133035		10	<1	0.07	20	0.73	780	2	0.02	31	1010	13	0.07	<2	6	49
CC133036		10	<1	0.20	20	0.70	878	3	0.01	39	1060	16	0.03	4	8	32
CC133037		10	<1	0.11	20	0.57	492	5	0.01	36	440	16	0.01	3	5	22
CC133038		10	<1	0.11	10	0.54	525	5	0.01	39	300	19	0.02	3	5	22
CC133039		<10	1	0.09	20	0.27	317	3	<0.01	13	250	40	<0.01	<2	2	38
CC133040		<10	1	0.06	20	0.49	233	2	0.01	15	540	22	<0.01	<2	4	31
CC133041		<10	<1	0.07	20	0.25	392	2	<0.01	10	330	25	<0.01	<2	2	27
CC133042		10	<1	0.06	10	0.34	386	3	<0.01	15	280	25	<0.01	<2	3	21
CC133043		<10	1	0.17	20	0.29	2690	6	0.01	37	950	28	0.09	5	6	68



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10
CC133001		<20	0.15	<10	<10	88	<10
CC133002		<20	0.10	<10	<10	86	<10
CC133003		<20	0.12	<10	<10	78	<10
CC133004		<20	0.11	<10	<10	75	<10
CC133005		<20	0.11	<10	<10	87	<10
CC133006		<20	0.07	<10	<10	63	<10
CC133007		<20	0.06	<10	<10	72	<10
CC133008		<20	0.08	<10	<10	97	<10
CC133009		<20	0.14	<10	<10	122	<10
CC133010		<20	0.04	<10	<10	80	<10
CC133011		<20	0.07	<10	<10	75	<10
CC133012		<20	0.06	<10	<10	80	<10
CC133013		<20	0.05	<10	<10	73	<10
CC133014		<20	0.09	<10	<10	89	<10
CC133015		<20	0.08	<10	<10	81	<10
CC133016		<20	0.14	<10	<10	96	<10
CC133017		<20	0.11	<10	<10	107	<10
CC133021		<20	0.11	<10	<10	72	<10
CC133022		<20	0.10	<10	<10	85	<10
CC133023		<20	0.06	<10	<10	67	<10
CC133024		<20	0.12	<10	<10	83	<10
CC133025		<20	0.11	<10	<10	72	<10
CC133026		<20	0.08	<10	<10	78	<10
CC133027		<20	0.10	<10	<10	76	<10
CC133028		<20	0.10	<10	<10	73	<10
CC133029		<20	0.05	<10	<10	68	<10
CC133030		<20	0.11	<10	<10	68	<10
CC133031		<20	0.04	<10	<10	74	<10
CC133032		<20	0.02	<10	<10	24	<10
CC133033		<20	0.10	<10	<10	80	<10
CC133034		<20	0.09	<10	<10	72	<10
CC133035		<20	0.08	<10	<10	77	<10
CC133036		<20	0.10	<10	<10	120	<10
CC133037		<20	0.06	<10	<10	90	<10
CC133038		<20	0.06	<10	<10	75	<10
CC133039		30	0.02	<10	<10	47	<10
CC133040		<20	0.08	<10	<10	50	<10
CC133041		<20	0.03	<10	<10	36	<10
CC133042		<20	0.03	<10	<10	61	<10
CC133043		<20	0.01	<10	10	47	<10



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC133044		0.09	0.004	0.8	1.42	72	<10	260	0.6	<2	0.51	<0.5	10	41	35	3.35
CC133045		0.29	0.028	0.3	2.02	44	<10	220	0.5	<2	0.74	0.5	11	42	37	2.77
CC133046		0.10	0.015	0.4	1.67	54	<10	180	<0.5	<2	0.65	<0.5	11	46	30	2.44
CC133047		0.19	0.033	0.4	1.77	63	<10	150	<0.5	<2	0.33	<0.5	15	47	33	2.76
CC133048		0.13	0.060	0.8	1.78	132	<10	160	0.5	<2	0.37	<0.5	15	46	43	3.14
CC133049		0.04	0.008	0.4	1.16	85	<10	150	<0.5	<2	0.83	<0.5	6	40	25	2.54
CC133050		0.17	0.091	0.4	1.43	258	<10	370	0.9	<2	0.67	<0.5	16	56	27	3.40
CC133051		0.28	0.057	0.2	2.08	125	<10	260	0.7	<2	0.21	<0.5	20	39	23	3.08
CC133052		0.17	0.011	0.2	1.96	92	<10	220	0.5	<2	0.28	<0.5	13	41	22	3.67
CC133053		0.42	0.015	0.2	2.50	40	<10	190	0.5	<2	0.44	<0.5	12	31	31	3.10
CC133054		0.20	0.005	<0.2	2.09	16	<10	110	<0.5	<2	0.25	<0.5	9	31	21	3.06
CC133055		0.32	0.011	0.3	1.97	124	<10	90	0.5	<2	0.29	<0.5	11	42	33	3.36
CC133056		0.30	0.039	0.3	2.01	37	<10	110	<0.5	<2	0.57	<0.5	10	39	28	3.17
CC133057		0.21	0.007	0.2	2.87	58	<10	120	0.6	<2	0.31	<0.5	14	33	22	3.62
CC133058		0.21	0.002	0.2	1.90	35	<10	140	<0.5	<2	0.42	<0.5	9	29	18	3.79
CC133059		0.26	0.003	0.2	2.37	13	<10	150	0.5	<2	0.30	<0.5	10	29	24	3.31
CC133060		0.46	0.002	<0.2	2.34	29	<10	410	0.5	<2	0.60	<0.5	15	48	38	3.91
CC133061		0.48	0.002	0.2	2.46	16	<10	400	0.5	<2	0.77	<0.5	13	35	39	3.62
CC133062		0.44	0.002	0.4	2.40	41	<10	350	0.5	<2	0.72	<0.5	14	41	55	3.45
CC133063		0.17	0.002	0.2	1.77	17	<10	130	<0.5	<2	0.28	<0.5	8	30	21	3.17
CC133064		0.29	0.001	0.2	2.14	22	<10	200	<0.5	<2	0.36	<0.5	13	45	28	3.84
CC133065		0.56	0.005	0.3	2.54	56	<10	660	0.6	<2	0.51	<0.5	13	46	42	3.66
CC133066		0.55	0.003	0.3	2.38	37	<10	330	0.5	<2	0.62	<0.5	14	44	40	3.40
CC133067		0.34	0.003	<0.2	2.37	11	<10	220	<0.5	<2	0.50	<0.5	10	34	19	2.86
CC133068		0.28	0.018	0.2	2.21	10	<10	200	<0.5	<2	0.53	<0.5	11	33	18	3.17
CC133069		0.53	0.004	<0.2	2.30	7	<10	320	<0.5	<2	0.46	<0.5	7	29	14	2.85
CC133070		0.22	0.003	<0.2	2.28	6	<10	310	<0.5	<2	0.49	<0.5	14	29	9	3.03
CC133071		0.38	0.004	<0.2	2.11	5	<10	160	<0.5	<2	0.54	<0.5	8	27	14	2.53
CC133072		0.26	0.003	<0.2	2.09	12	<10	380	0.6	<2	0.41	<0.5	10	30	19	3.02
CC133073		0.18	0.014	<0.2	2.42	11	<10	260	<0.5	<2	0.65	<0.5	32	37	18	4.02
CC133074		0.26	<0.001	<0.2	2.03	9	<10	220	<0.5	<2	0.68	<0.5	10	31	15	3.21
CC133075		0.38	0.002	<0.2	2.30	12	<10	230	<0.5	<2	0.55	<0.5	11	34	18	3.19
CC133076		0.22	0.004	0.4	2.08	41	<10	350	0.6	<2	1.24	<0.5	8	31	46	2.53
CC133077		0.20	0.012	0.3	2.34	44	<10	360	<0.5	<2	0.54	1.9	11	34	25	3.50
CC133078		0.42	0.004	0.2	2.16	27	<10	230	0.5	<2	0.53	<0.5	13	31	32	2.98
CC133079		0.42	0.004	0.3	2.57	54	<10	160	0.5	<2	0.45	<0.5	15	34	27	3.95
CC133081		0.30	0.006	0.4	2.32	45	<10	360	0.8	<2	0.83	<0.5	9	31	46	3.57
CC133082		0.28	0.009	<0.2	2.20	16	<10	270	<0.5	2	0.63	<0.5	12	32	22	3.07
CC133083		0.61	0.003	<0.2	2.51	16	<10	260	0.5	<2	0.53	<0.5	13	36	29	3.64
CC133084		0.41	0.017	<0.2	2.40	4	<10	230	<0.5	2	0.59	<0.5	7	35	23	2.81



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CC133044		<10	1	0.08	10	0.42	593	8	0.01	34	860	15	0.05	8	5	36
CC133045		10	1	0.08	20	0.67	486	1	0.02	26	920	9	0.06	<2	6	47
CC133046		10	1	0.09	20	0.62	527	1	0.01	23	910	9	0.06	2	5	34
CC133047		10	1	0.08	20	0.60	608	1	0.01	23	800	10	0.04	<2	4	22
CC133048		10	1	0.08	20	0.58	825	2	0.01	21	1050	11	0.08	<2	3	24
CC133049		<10	1	0.05	10	0.50	181	2	0.01	20	1170	8	0.10	<2	2	44
CC133050		<10	<1	0.12	30	0.53	413	12	0.01	41	840	18	0.06	4	7	31
CC133051		<10	1	0.10	10	0.55	412	1	0.01	40	740	12	0.03	<2	5	15
CC133052		10	1	0.09	10	0.60	512	5	0.01	30	620	14	0.05	<2	4	19
CC133053		10	<1	0.11	10	0.89	280	<1	0.01	17	390	8	0.02	<2	7	26
CC133054		10	<1	0.06	10	0.53	272	1	0.01	18	560	8	0.03	<2	4	20
CC133055		10	<1	0.05	10	0.64	281	1	0.01	17	600	8	0.04	2	3	27
CC133056		10	<1	0.08	10	0.73	349	<1	0.01	18	630	12	0.05	<2	4	32
CC133057		10	1	0.06	10	0.59	681	1	0.01	24	780	7	0.04	<2	4	23
CC133058		10	<1	0.06	10	0.50	416	1	0.01	17	520	8	0.05	<2	3	25
CC133059		10	<1	0.05	10	0.68	471	<1	0.01	18	600	8	0.04	2	4	23
CC133060		10	1	0.27	20	1.07	615	1	0.02	25	840	9	0.01	<2	9	33
CC133061		10	1	0.15	20	1.01	567	<1	0.01	21	990	7	0.02	<2	10	41
CC133062		10	1	0.14	20	0.91	331	1	0.02	23	990	9	0.05	<2	10	40
CC133063		10	1	0.07	10	0.58	452	1	0.01	18	600	8	0.03	<2	4	21
CC133064		10	1	0.12	10	0.78	443	1	0.01	26	480	8	0.02	<2	5	25
CC133065		10	1	0.14	10	0.77	642	1	0.01	38	710	10	0.03	<2	6	33
CC133066		10	<1	0.10	20	0.83	497	1	0.01	26	840	10	0.01	<2	9	33
CC133067		10	<1	0.07	10	0.75	252	1	0.01	17	650	10	0.02	<2	6	29
CC133068		10	<1	0.06	10	0.75	284	<1	0.01	16	850	8	0.01	<2	6	29
CC133069		10	1	0.07	10	0.58	292	1	0.01	14	910	10	0.05	<2	4	37
CC133070		10	1	0.06	10	0.62	643	2	0.01	15	750	10	0.02	<2	5	31
CC133071		10	1	0.04	10	0.78	280	<1	0.02	14	920	9	0.02	<2	5	24
CC133072		10	1	0.11	20	0.60	286	<1	0.02	16	680	12	0.01	<2	9	29
CC133073		10	<1	0.07	10	0.81	2150	<1	0.02	16	910	12	0.04	2	6	36
CC133074		10	<1	0.05	10	0.88	367	<1	0.02	13	1180	9	0.04	<2	5	33
CC133075		10	1	0.09	10	0.81	419	<1	0.02	15	810	10	0.03	<2	6	31
CC133076		10	<1	0.07	20	0.50	469	1	0.02	18	1200	9	0.15	<2	5	60
CC133077		10	1	0.11	10	0.50	481	<1	0.02	23	720	14	0.07	<2	5	38
CC133078		10	<1	0.08	20	0.72	390	<1	0.02	17	790	8	0.03	<2	6	31
CC133079		10	<1	0.07	10	0.85	777	2	0.03	20	1040	17	0.04	<2	4	27
CC133081		10	1	0.10	20	0.59	428	1	0.02	18	680	11	0.05	<2	6	44
CC133082		10	<1	0.08	10	0.74	542	<1	0.02	16	910	11	0.03	<2	6	31
CC133083		10	1	0.07	20	0.76	329	<1	0.02	16	930	11	0.04	<2	8	32
CC133084		10	1	0.07	10	0.75	234	<1	0.02	16	770	11	0.03	<2	6	33



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
CC133044		<20	0.04	<10	<10	73	<10	95
CC133045		<20	0.08	<10	<10	66	<10	108
CC133046		<20	0.07	<10	<10	50	<10	70
CC133047		<20	0.08	<10	<10	62	<10	64
CC133048		<20	0.07	<10	<10	72	<10	68
CC133049		<20	0.06	<10	<10	62	<10	48
CC133050		<20	0.04	<10	<10	69	<10	97
CC133051		<20	0.07	<10	<10	74	<10	66
CC133052		<20	0.10	<10	<10	90	<10	74
CC133053		<20	0.11	<10	<10	80	<10	56
CC133054		<20	0.11	<10	<10	82	<10	47
CC133055		<20	0.10	<10	<10	97	<10	46
CC133056		<20	0.11	<10	<10	88	<10	61
CC133057		<20	0.10	<10	<10	78	<10	74
CC133058		<20	0.10	<10	<10	104	<10	72
CC133059		<20	0.08	<10	<10	79	<10	60
CC133060		<20	0.23	<10	<10	112	<10	88
CC133061		<20	0.16	<10	<10	97	<10	75
CC133062		<20	0.15	<10	<10	97	<10	83
CC133063		<20	0.13	<10	<10	85	<10	67
CC133064		<20	0.16	<10	<10	103	<10	64
CC133065		<20	0.11	<10	<10	93	<10	100
CC133066		<20	0.13	<10	<10	90	<10	85
CC133067		<20	0.12	<10	<10	75	<10	67
CC133068		<20	0.12	<10	<10	78	<10	69
CC133069		<20	0.06	<10	<10	73	<10	69
CC133070		<20	0.06	<10	<10	75	<10	72
CC133071		<20	0.08	<10	<10	68	<10	63
CC133072		<20	0.11	<10	<10	79	<10	73
CC133073		<20	0.09	<10	<10	90	<10	73
CC133074		<20	0.09	<10	<10	83	<10	72
CC133075		<20	0.13	<10	<10	80	<10	72
CC133076		<20	0.06	<10	<10	57	<10	57
CC133077		<20	0.07	<10	<10	78	<10	111
CC133078		<20	0.10	<10	<10	77	<10	58
CC133079		<20	0.09	<10	<10	91	<10	73
CC133081		<20	0.07	<10	<10	87	<10	60
CC133082		<20	0.10	<10	<10	71	<10	66
CC133083		<20	0.09	<10	<10	91	<10	67
CC133084		<20	0.10	<10	<10	65	<10	75



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Sample Description	Method Analyte Units LOR	WEI- 21 Recvd Wt. kg	Au- ICP21 Au ppm	ME- ICP41 Ag ppm	ME- ICP41 Al %	ME- ICP41 As ppm	ME- ICP41 B ppm	ME- ICP41 Ba ppm	ME- ICP41 Be ppm	ME- ICP41 Bi ppm	ME- ICP41 Ca %	ME- ICP41 Cd ppm	ME- ICP41 Co ppm	ME- ICP41 Cr ppm	ME- ICP41 Cu ppm	ME- ICP41 Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
CC133085		0.21	0.012	<0.2	2.11	10	<10	200	<0.5	<2	0.61	<0.5	9	30	15	3.22
CC133086		0.39	0.004	<0.2	2.07	8	<10	270	<0.5	<2	0.68	<0.5	24	31	19	3.40
CC133087		0.37	0.001	<0.2	1.96	3	<10	230	<0.5	<2	0.43	<0.5	7	27	10	2.50
CC133088		0.28	0.003	<0.2	2.07	7	<10	170	<0.5	<2	0.41	<0.5	13	31	24	2.90
CC133089		0.35	0.002	0.3	2.11	10	<10	210	0.5	<2	0.42	<0.5	11	31	25	3.33
CC133090		0.22	0.002	0.2	2.88	70	<10	250	0.7	2	0.40	<0.5	17	36	30	4.26
CC133091		0.31	0.005	<0.2	2.44	28	<10	180	0.5	<2	0.38	<0.5	12	34	24	3.26
CC133092		0.36	0.005	<0.2	2.64	12	<10	200	0.5	<2	0.43	<0.5	16	39	22	4.15
CC133093		0.34	0.006	<0.2	2.29	12	<10	150	0.5	<2	0.26	<0.5	11	34	22	3.44
CC133094		0.18	0.016	0.2	1.55	74	<10	200	<0.5	<2	0.41	<0.5	12	37	18	3.25
CC133095		0.44	0.011	0.3	2.16	54	<10	720	0.6	<2	0.40	<0.5	8	44	15	2.59
CC133096		0.34	0.002	<0.2	1.51	95	<10	270	0.8	<2	0.27	<0.5	7	35	20	2.62
CC133097		0.24	0.023	0.2	1.72	70	<10	370	0.7	<2	0.66	<0.5	8	40	19	2.79
CC133098		0.24	0.013	0.3	1.99	102	<10	210	0.6	<2	0.72	<0.5	22	77	37	3.17
CC133099		0.19	0.027	0.4	1.68	116	<10	210	0.5	<2	0.64	<0.5	29	53	37	3.25



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Sample Description	Method Analyte Units LOR	ME- ICP41 Ga ppm 10	ME- ICP41 Hg ppm 1	ME- ICP41 K % 0.01	ME- ICP41 La ppm 10	ME- ICP41 Mg % 0.01	ME- ICP41 Mn ppm 5	ME- ICP41 Mo ppm 1	ME- ICP41 Na % 0.01	ME- ICP41 Ni ppm 1	ME- ICP41 P ppm 10	ME- ICP41 Pb ppm 2	ME- ICP41 S % 0.01	ME- ICP41 Sb ppm 2	ME- ICP41 Sc ppm 1	ME- ICP41 Sr ppm 1
CC133085		10	<1	0.05	10	0.80	411	<1	0.02	13	960	8	0.01	<2	5	29
CC133086		10	<1	0.06	10	0.79	2840	<1	0.02	16	960	8	0.04	<2	6	34
CC133087		10	<1	0.08	20	0.60	240	<1	0.02	13	860	8	0.01	<2	4	25
CC133088		10	<1	0.05	10	0.64	596	<1	0.02	21	1000	13	0.02	<2	4	27
CC133089		10	1	0.06	10	0.70	663	<1	0.02	22	900	23	0.03	<2	5	26
CC133090		10	1	0.08	10	0.89	1010	<1	0.02	23	650	15	0.03	<2	7	30
CC133091		10	1	0.09	10	0.68	538	<1	0.02	21	620	12	0.04	2	5	28
CC133092		10	<1	0.12	10	1.09	579	<1	0.03	20	680	10	0.02	<2	5	53
CC133093		10	1	0.09	10	0.73	403	<1	0.03	20	360	10	0.03	<2	5	22
CC133094		10	1	0.08	10	0.61	540	<1	0.02	30	640	14	0.04	4	4	24
CC133095		10	1	0.10	10	0.67	155	1	0.02	37	980	16	0.03	3	7	21
CC133096		10	1	0.11	10	0.45	392	<1	0.02	29	550	13	0.01	2	6	17
CC133097		10	1	0.12	10	0.55	459	1	0.02	30	730	14	0.05	2	7	29
CC133098		10	1	0.07	20	0.82	1460	3	0.02	33	1190	12	0.09	2	5	37
CC133099		10	1	0.08	20	0.66	1600	3	0.02	24	1250	17	0.09	4	4	34



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Sample Description	Method Analyte Units LOR	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41	ME- ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
CC133085		<20	0.08	<10	<10	80	<10	69
CC133086		<20	0.09	<10	<10	77	<10	68
CC133087		<20	0.11	<10	<10	66	<10	63
CC133088		<20	0.11	<10	<10	71	<10	64
CC133089		<20	0.08	<10	<10	78	<10	84
CC133090		<20	0.09	<10	<10	96	<10	91
CC133091		<20	0.11	<10	<10	81	<10	66
CC133092		<20	0.20	<10	<10	121	<10	75
CC133093		<20	0.15	<10	<10	96	<10	58
CC133094		<20	0.09	<10	<10	93	<10	69
CC133095		<20	0.07	<10	<10	85	<10	63
CC133096		<20	0.06	<10	<10	73	<10	62
CC133097		<20	0.06	<10	<10	81	<10	70
CC133098		<20	0.07	<10	<10	74	<10	68
CC133099		<20	0.06	<10	<10	64	<10	68



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Method	CERTIFICATE COMMENTS
ALL METHODS	NSS is non- sufficient sample.

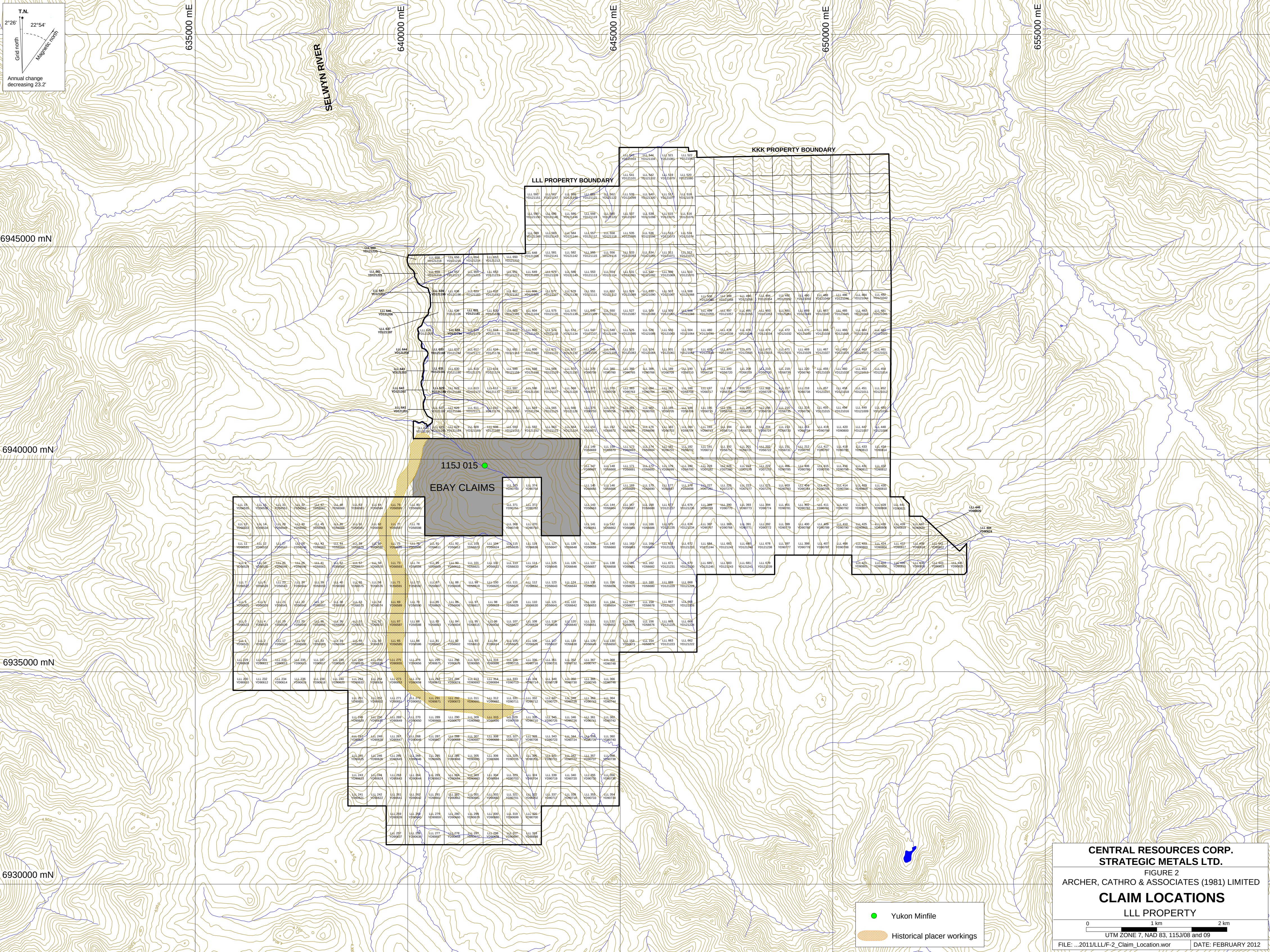
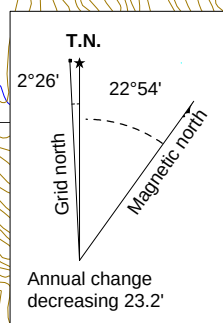
SAMPNUMPRE	SAMPLENUM	DATE_	SAMSUBTYPE	X	Y	WtKg_kg_WG	Al_per_ICM	B_ppm_ICM1	Ba_ppm_ICM	Ca_per_ICM	Cr_ppm_ICM	Cu_ppm_ICM	Fe_per_ICM	K_per_ICM1	Li_ppm_ICM	
A	47348	26/09/2011			647443.100	6940255.062	1.71	1.70	40.00	149.00	0.99	18.00	7.50	2.72	0.15	15.00
A	47349	26/09/2011			647544.657	6940521.351	2.03	2.53	40.00	505.00	0.91	57.00	135.00	5.39	0.71	23.00
A	47350	26/09/2011			647525.793	6940744.727	1.11	1.56	40.00	263.00	0.22	50.00	15.00	3.93	0.18	12.00
A	47168	26/09/2011			647489.768	6940798.713	1.54	0.22	40.00	3760.00	0.05	121.00	90.50	1.99	0.19	-1.00
A	47169	26/09/2011			647511.537	6940810.651	2.03	0.27	40.00	443.00	0.03	14.00	170.00	2.71	0.14	1.00
A	46701	26/09/2011	Float		647467.805	6940388.161	0.86	0.40	40.00	29.00	0.04	11.00	7.40	0.99	0.06	5.00
A	46702	26/09/2011	Float		647466.559	6940385.317	2.06	1.96	50.00	350.00	1.10	70.00	79.70	3.26	0.43	22.00
A	46703	26/09/2011	Float		647545.240	6940527.512	2.32	2.82	40.00	285.00	0.94	26.00	227.00	6.89	0.80	26.00
A	46704	26/09/2011	Float		647601.157	6940575.923	1.90	0.30	30.00	21.00	0.03	178.00	8.10	0.94	0.04	4.00
A	46705	26/09/2011	Float		647545.342	6940833.536	2.20	0.26	40.00	632.00	0.08	13.00	85.30	3.97	0.18	-1.00
A	47164	26/09/2011	Float		647494.981	6940500.363	1.55	3.04	40.00	326.00	1.42	68.00	50.20	4.44	0.59	25.00
A	47165	26/09/2011	Float		647525.669	6940510.466	1.06	2.35	40.00	193.00	1.18	27.00	59.80	4.85	0.22	24.00
A	47166	26/09/2011	Float		647543.768	6940522.055	1.72	2.83	40.00	578.00	0.98	55.00	113.00	5.61	0.87	26.00
A	47167	26/09/2011	Float		647602.477	6940598.292	1.51	2.30	40.00	233.00	0.54	16.00	39.70	4.04	0.42	23.00
A	47170	26/09/2011	Float		647647.355	6940898.316	1.76	0.37	30.00	54.00	0.94	164.00	3.90	0.46	0.15	2.00

SAMPNUMPRE	SAMPLENUM	Mg_per_ICM	Mn_ppm_ICM	Na_per_ICM	Ni_ppm_ICM	P_ppm_ICM1	S_per_ICM1	Sr_ppm_ICM	Ti_per_ICM	V_ppm_ICM1	Zn_ppm_ICM	Zr_ppm_ICM	Ag_ppm_ICM	As_ppm_ICM	Be_ppm_ICM
A	47348	1.03	432.00	0.13	5.80	820.00	0.02	36.20	0.21	84.00	31.00	3.30	0.11	12.00	0.20
A	47349	1.58	406.00	0.23	7.30	1300.00	1.38	49.80	0.31	175.00	46.00	5.30	0.23	14.00	0.20
A	47350	0.99	498.00	0.01	63.00	1060.00	-0.01	5.30	-0.01	498.00	94.00	3.00	0.44	1060.00	0.20
A	47168	0.03	62.00	0.01	5.00	570.00	0.08	28.40	-0.01	16.00	12.00	2.40	0.64	5860.00	-0.10
A	47169	0.03	117.00	0.01	19.20	380.00	0.02	31.80	-0.01	18.00	56.00	1.90	0.83	1990.00	0.30
A	46701	0.16	133.00	0.01	6.70	140.00	-0.01	2.60	-0.01	13.00	13.00	1.80	0.05	51.00	0.10
A	46702	1.37	435.00	0.20	6.30	1430.00	-0.01	65.80	0.25	111.00	44.00	5.60	0.34	23.00	0.30
A	46703	1.71	424.00	0.24	9.90	1430.00	2.90	52.10	0.33	183.00	45.00	6.10	0.38	21.00	0.30
A	46704	0.13	129.00	-0.01	5.20	70.00	-0.01	3.10	-0.01	8.00	9.00	1.10	0.03	17.00	0.10
A	46705	0.02	471.00	-0.01	35.30	640.00	0.02	12.90	-0.01	14.00	246.00	3.10	1.84	3250.00	0.30
A	47164	1.49	626.00	0.25	7.30	970.00	0.14	58.50	0.25	145.00	80.00	5.00	0.26	27.00	0.40
A	47165	1.75	654.00	0.14	6.10	970.00	0.27	45.50	0.15	125.00	57.00	5.80	0.35	28.00	0.30
A	47166	1.73	407.00	0.26	5.70	1480.00	1.14	58.80	0.36	187.00	48.00	5.40	0.24	13.00	0.30
A	47167	1.64	466.00	0.10	9.80	960.00	-0.01	28.80	0.15	117.00	54.00	5.90	0.14	28.00	0.50
A	47170	0.09	172.00	0.02	29.60	4550.00	-0.01	9.70	-0.01	86.00	11.00	3.00	0.15	46.00	0.10

SAMPNUMPRE	SAMPLENUM	Bi_ppm_ICM	Cd_ppm_ICM	Ce_ppm_ICM	Co_ppm_ICM	Cs_ppm_ICM	Ga_ppm_ICM	Ge_ppm_ICM	Hf_ppm_ICM	Hg_ppm_ICM	In_ppm_ICM	La_ppm_ICM	Lu_ppm_ICM	Mo_ppm_ICM	Nb_ppm_ICM
A	47348	0.12	0.12	17.80	7.80	2.49	6.50	0.10	0.11	-0.01	-0.02	10.20	0.09	1.63	0.52
A	47349	0.30	0.20	13.40	19.20	5.40	7.80	0.20	0.12	-0.01	0.02	6.20	0.09	0.61	0.18
A	47350	1.22	0.77	30.20	38.90	1.85	7.50	-0.10	-0.05	-0.01	0.04	17.50	0.12	14.30	-0.05
A	47168	3.65	0.21	1.61	2.10	0.63	0.70	-0.10	-0.05	0.01	0.02	1.00	0.04	6.81	-0.05
A	47169	0.58	0.82	9.27	7.70	2.18	0.90	-0.10	-0.05	0.15	0.07	5.10	0.09	9.78	-0.05
A	46701	0.07	0.03	4.28	2.00	0.73	2.10	-0.10	0.06	-0.01	-0.02	2.20	0.02	2.74	-0.05
A	46702	0.31	0.22	24.00	10.40	3.25	7.60	0.10	0.16	-0.01	0.03	12.10	0.10	1.31	0.41
A	46703	0.38	0.22	12.60	33.10	6.29	8.60	0.20	0.12	-0.01	0.03	5.60	0.10	0.76	0.16
A	46704	-0.02	0.01	2.24	1.90	0.91	1.90	-0.10	-0.05	-0.01	-0.02	1.20	-0.01	4.14	-0.05
A	46705	2.08	6.52	53.30	15.40	1.28	1.20	-0.10	-0.05	0.03	0.02	31.60	0.10	16.00	-0.05
A	47164	0.17	0.40	29.80	18.50	5.23	10.20	0.20	0.12	-0.01	0.03	16.70	0.17	4.99	0.56
A	47165	0.26	0.23	31.30	14.60	3.93	9.20	0.10	0.18	0.03	0.05	16.90	0.17	1.44	0.19
A	47166	0.22	0.19	13.10	19.30	6.70	8.70	0.20	0.11	-0.01	0.02	6.00	0.09	0.49	0.20
A	47167	0.17	0.21	30.70	16.40	7.22	9.20	0.10	0.15	-0.01	0.03	16.20	0.14	7.50	0.37
A	47170	0.21	0.08	48.10	13.60	1.16	2.10	-0.10	0.09	-0.01	-0.02	34.80	0.13	2.30	-0.05

SAMPNUMPRE	SAMPLENUM	Pb_ppm_ICM	Rb_ppm_ICM	Sb_ppm_ICM	Sc_ppm_ICM	Se_ppm_ICM	Sn_ppm_ICM	Ta_ppm_ICM	Tb_ppm_ICM	Te_ppm_ICM	Th_ppm_ICM	Tl_ppm_ICM	U_ppm_ICM1	W_ppm_ICM1	Y_ppm_ICM1
A	47348	7.20	8.50	1.45	4.10	-1.00	1.10	-0.05	0.20	-0.05	3.40	0.10	1.26	0.40	6.28
A	47349	8.60	40.00	1.49	11.70	-1.00	1.30	-0.05	0.21	0.09	2.80	0.61	0.51	0.40	6.17
A	47350	49.20	12.70	4.99	3.00	-1.00	-0.30	-0.05	0.29	0.36	4.40	0.12	9.15	0.20	7.92
A	47168	50.80	9.20	33.80	1.00	4.00	-0.30	-0.05	0.04	0.68	3.70	0.19	1.82	0.10	1.56
A	47169	24.70	9.60	173.00	3.10	2.00	-0.30	-0.05	0.31	0.22	1.30	0.47	3.33	-0.10	5.99
A	46701	2.90	4.30	1.02	1.10	-1.00	-0.30	-0.05	0.05	-0.05	0.80	0.04	0.26	-0.10	1.15
A	46702	10.40	33.90	1.31	6.00	-1.00	0.50	-0.05	0.28	-0.05	7.00	0.26	1.19	0.30	7.89
A	46703	10.40	47.20	1.90	13.20	-1.00	1.30	-0.05	0.23	0.16	2.30	0.73	0.43	0.50	6.30
A	46704	1.60	4.80	0.85	1.00	-1.00	-0.30	-0.05	0.02	-0.05	0.50	-0.02	0.09	-0.10	0.53
A	46705	212.00	10.90	84.90	0.80	4.00	-0.30	-0.05	0.49	0.78	2.80	0.35	5.30	0.10	9.36
A	47164	16.30	41.80	1.94	13.50	-1.00	0.90	-0.05	0.40	-0.05	10.90	0.60	2.36	0.40	12.60
A	47165	14.40	13.60	2.67	11.80	-1.00	1.40	-0.05	0.39	-0.05	7.50	0.23	1.68	0.30	11.70
A	47166	8.00	53.10	1.60	12.60	-1.00	1.40	-0.05	0.20	0.09	2.90	0.80	0.50	0.40	5.87
A	47167	9.70	38.60	1.37	9.60	-1.00	0.90	-0.05	0.35	-0.05	6.90	0.32	2.38	-0.10	10.90
A	47170	3.30	13.70	1.23	1.40	-1.00	-0.30	-0.05	0.42	-0.05	1.90	0.10	1.37	-0.10	12.40

SAMPNUMPRE	SAMPLENUM	Yb_ppm_ICV	Au_ppb_FAA	Au_g_t_FAG	Ag_g_t_AAS	Lab_Commen
A	47348	0.60	7.00			Ethos
A	47349	0.60	141.00			Ethos
A	47350	0.80	68.00			Ethos
A	47168	0.20	493.00			Ethos
A	47169	0.60	432.00			Ethos
A	46701	0.10	7.00			Ethos
A	46702	0.60	35.00			Ethos
A	46703	0.60	256.00			Ethos
A	46704	-0.10	-5.00			Ethos
A	46705	0.70	697.00			Ethos
A	47164	1.10	23.00			Ethos
A	47165	1.10	22.00			Ethos
A	47166	0.60	183.00			Ethos
A	47167	1.00	69.00			Ethos
A	47170	0.90	161.00			Ethos



CENTRAL RESOURCES CORP.
STRATEGIC METALS LTD.

FIGURE 2
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

CLAIM LOCATIONS

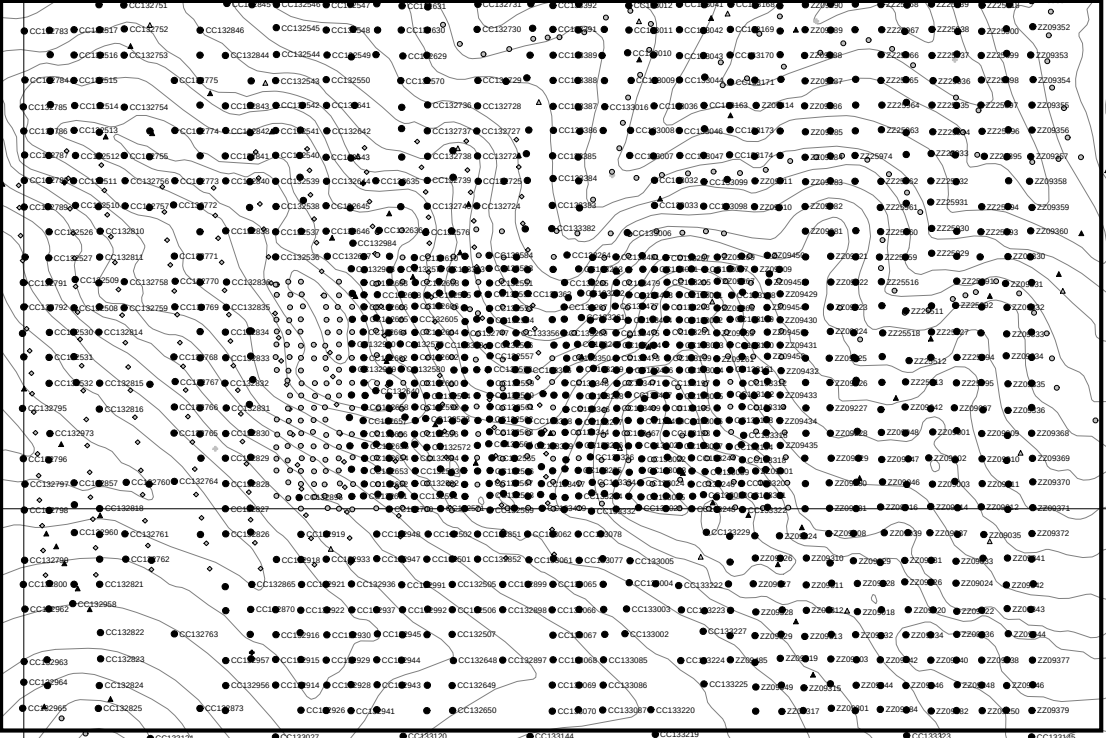
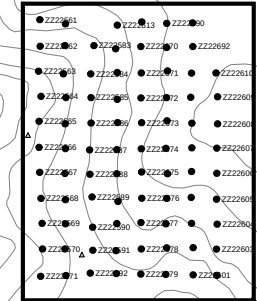
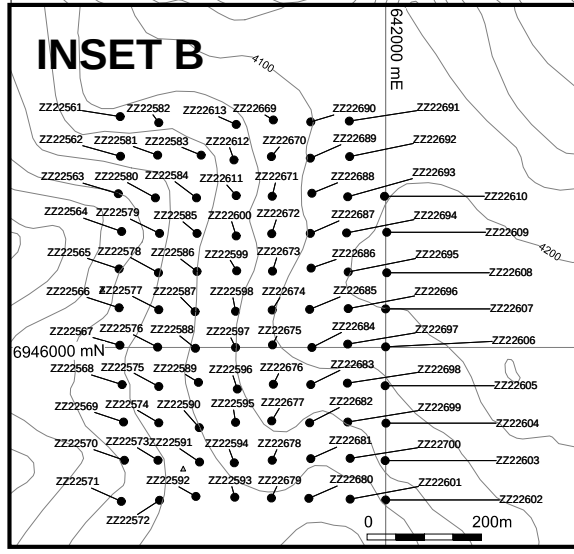
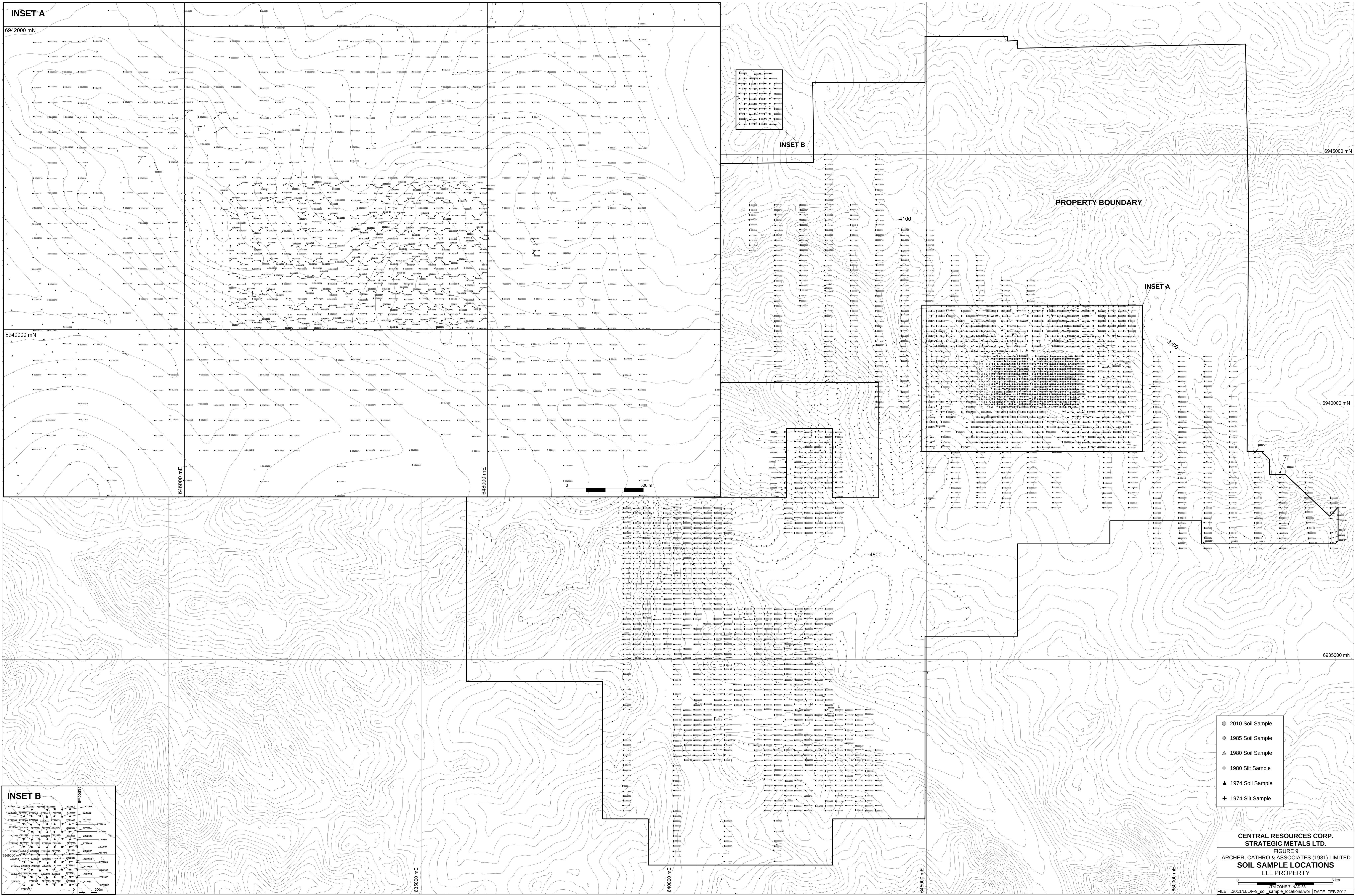
LLL PROPERTY

01 km2 km

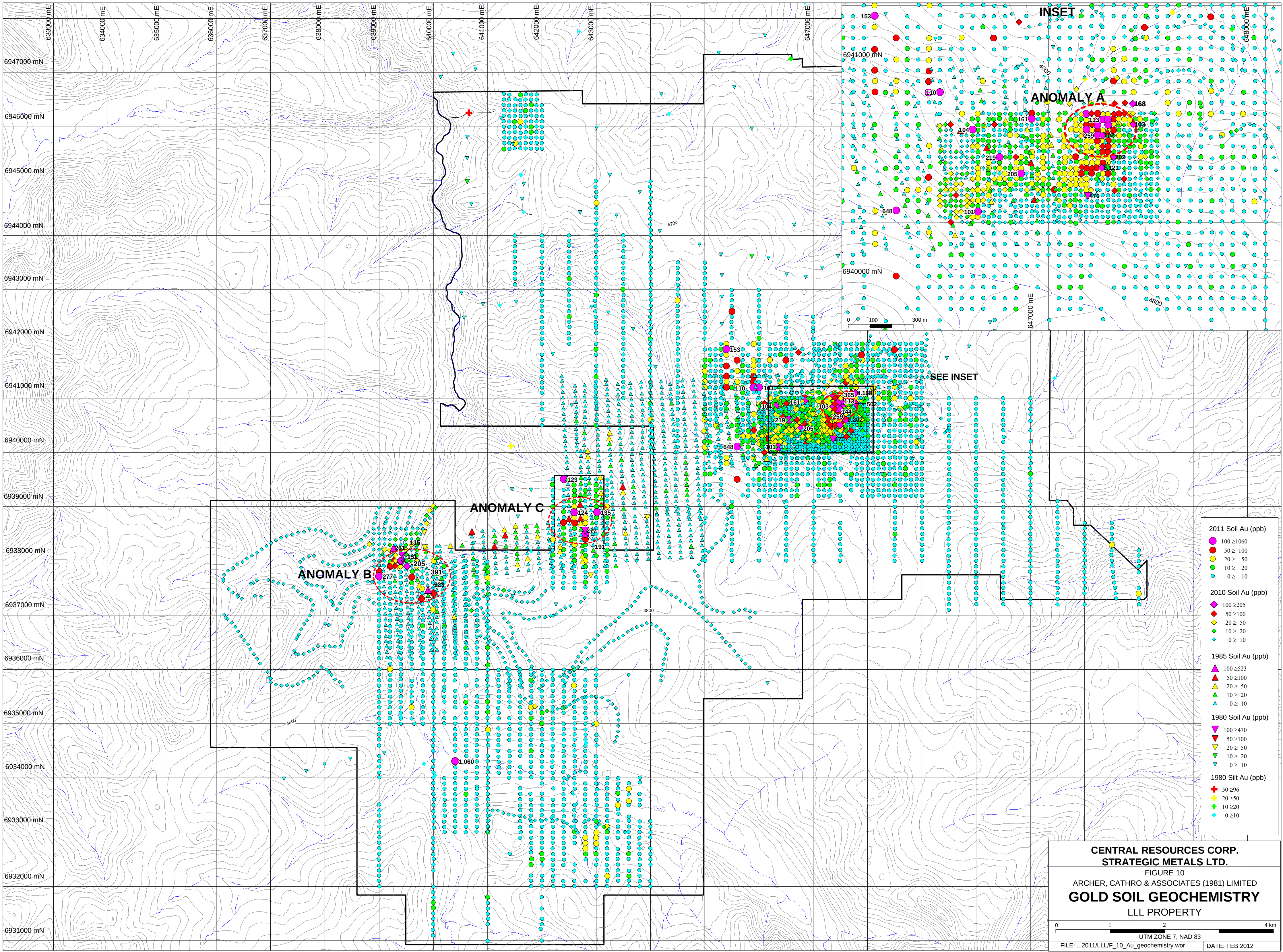
UTM ZONE 7, NAD 83, 115J/08 and 09

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DATE: FEBRUARY 2012



- 2010 Soil Sample
- ◆ 1985 Soil Sample
- ▲ 1980 Soil Sample
- ⊕ 1980 Silt Sample
- ★ 1974 Soil Sample
- ⊞ 1974 Silt Sample



CENTRAL RESOURCES CORP.
STRATEGIC METALS LTD.

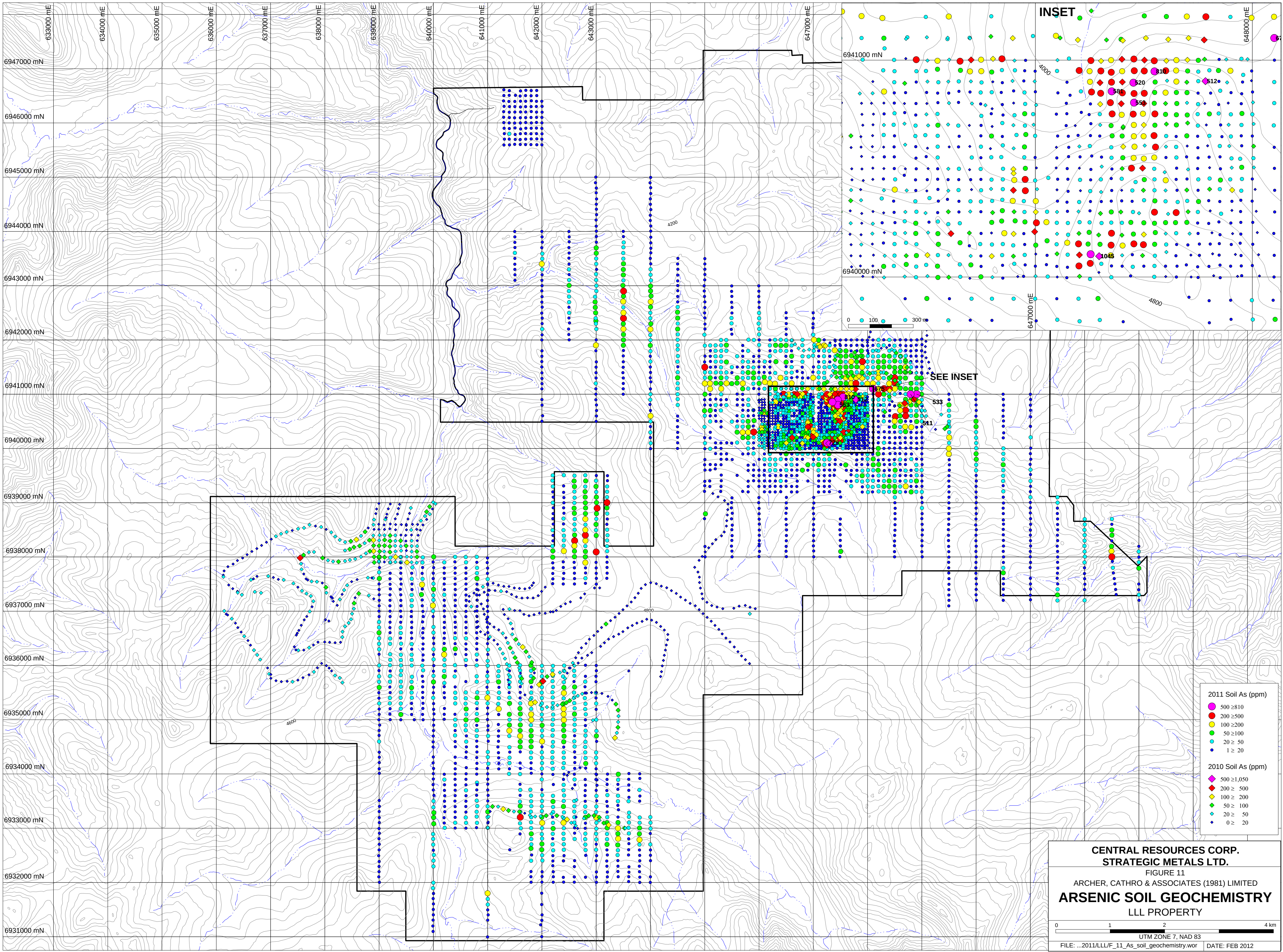
FIGURE 10
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
GOLD SOIL GEOCHEMISTRY
LLL PROPERTY

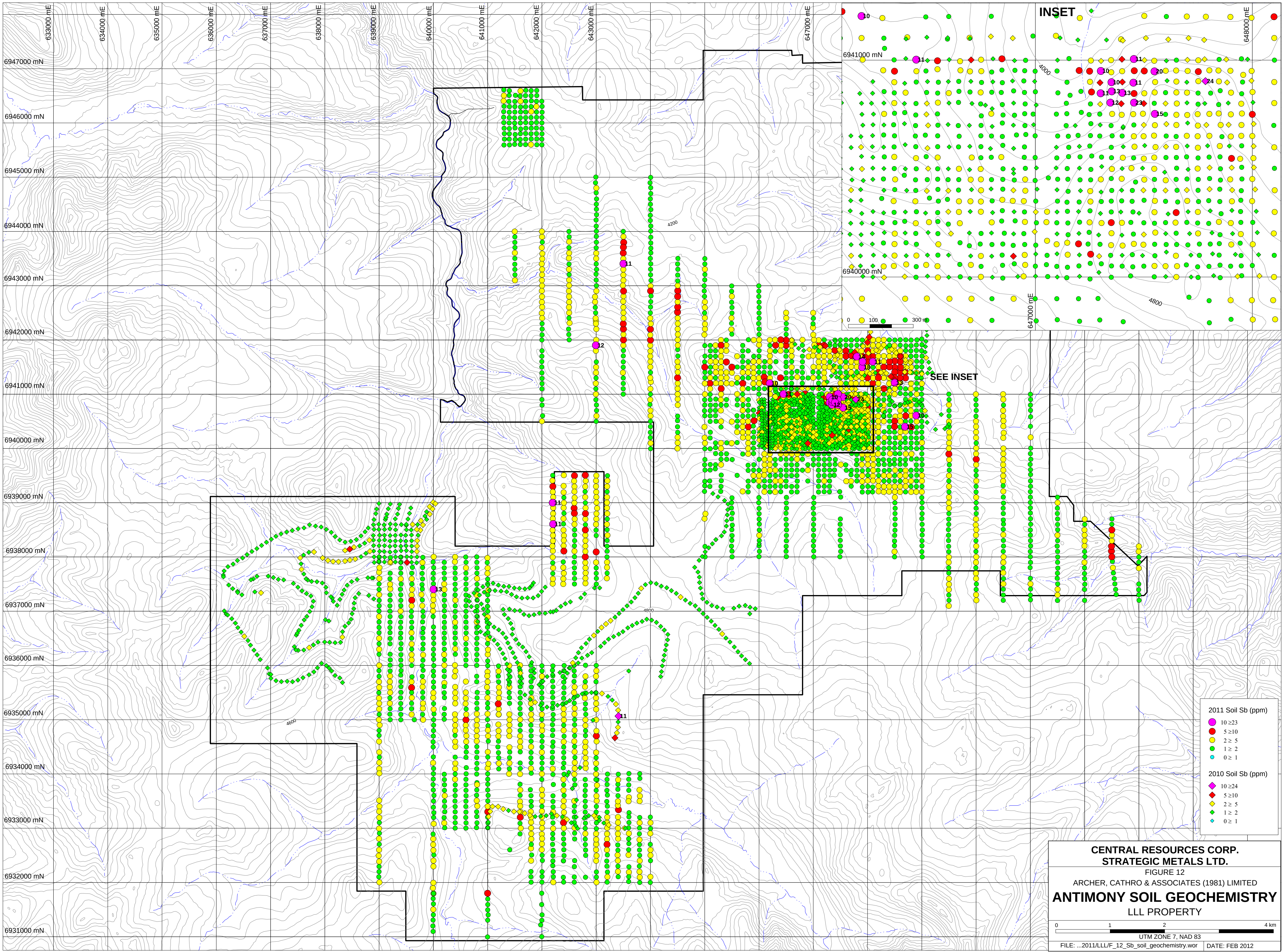
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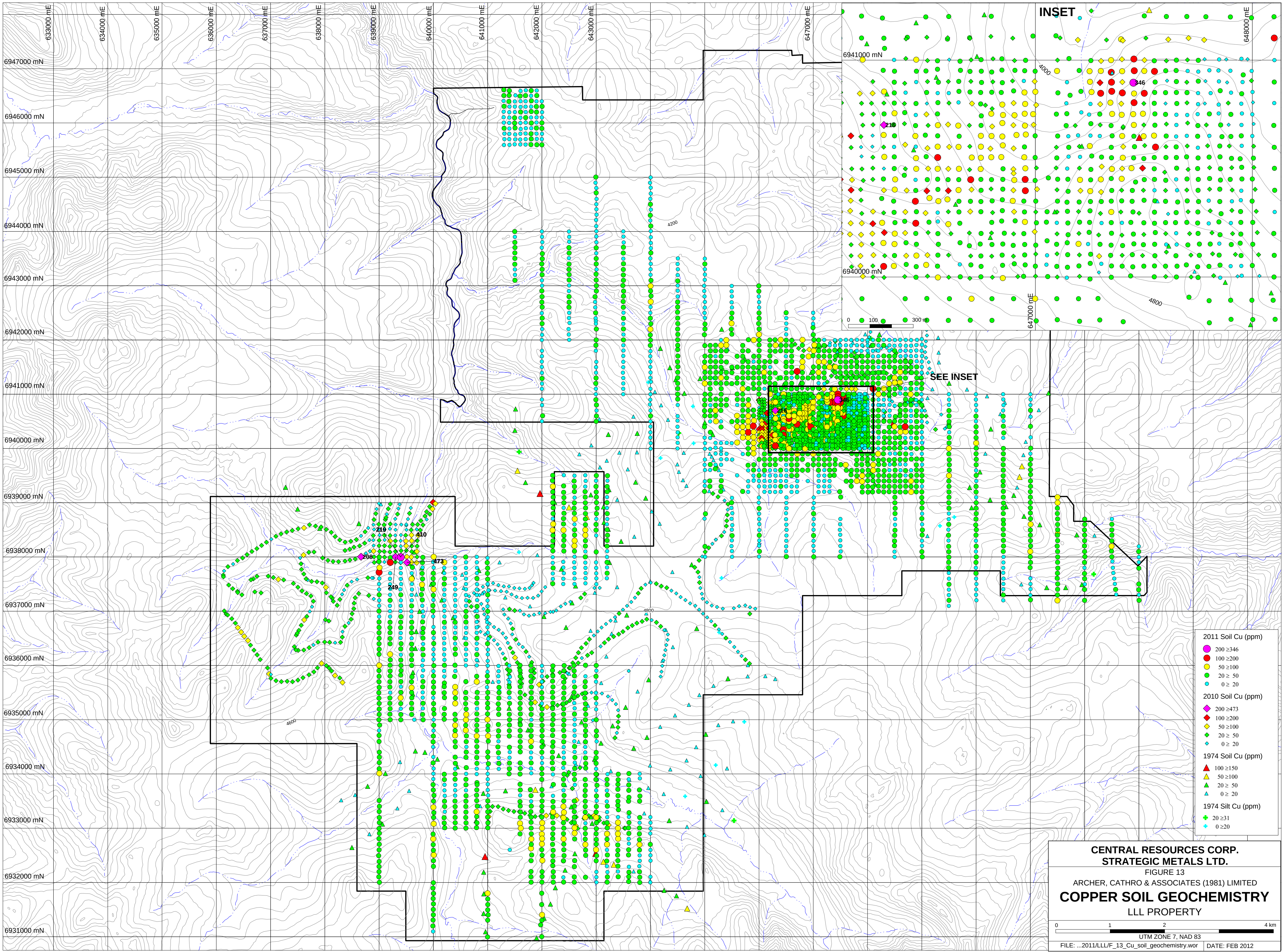
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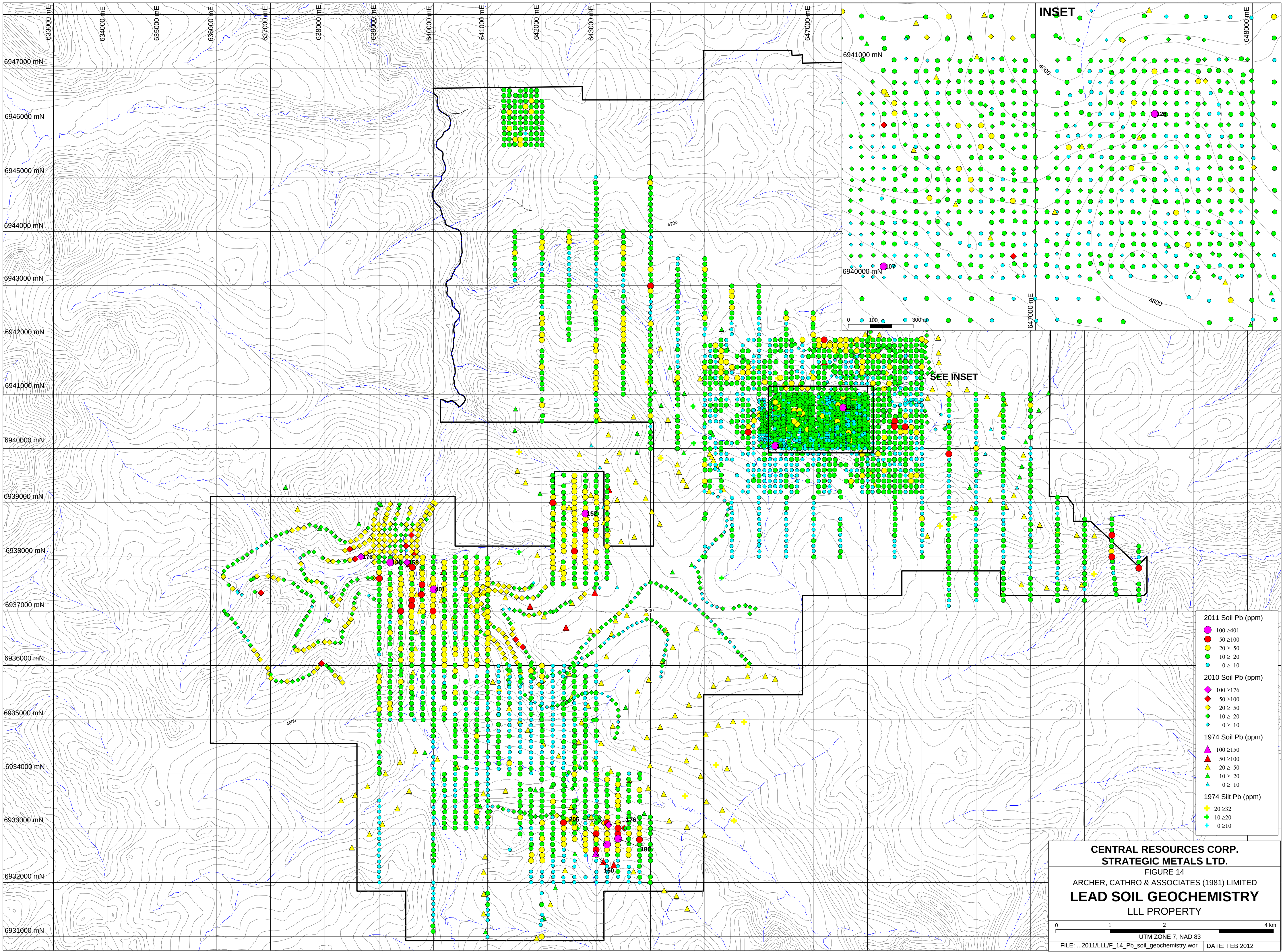
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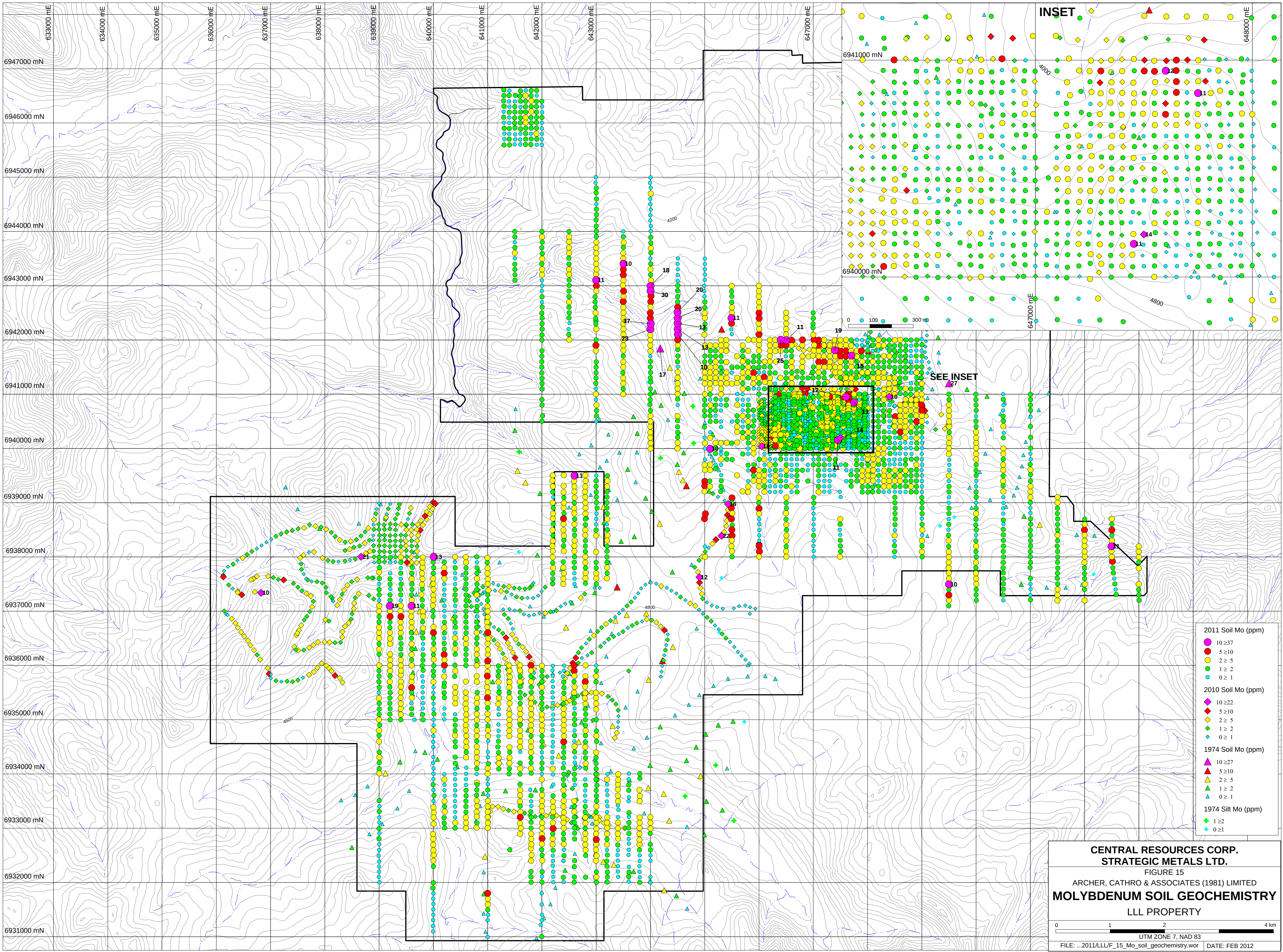
DATE: FEB 2012











QW28853

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 – 510 West Hastings Street
Vancouver, B.C. V6B 1L8

Telephone: 604-688-2568

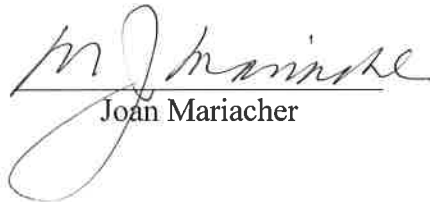
Fax: 604-688-2578



AFFIDAVIT

I, Joan Mariacher, of Vancouver, B.C. make oath and say:

That to the best of my knowledge the attached Statement of
Expenditures for exploration work on the LLL 1-394, 397-685
mineral claims on on claim sheet 115J/9 is accurate.


Joan Mariacher

Sworn before me at Vancouver, B.C.

this 6th day of October 2011.


Barrister & Solicitor

IAN J. TALBOT
Barrister & Solicitor
281 East 5th Street
North Vancouver
British Columbia
Canada V7L 1L8

Statement of Expenditures
LLL 1-394 and 397-685 Mineral Claims
October 6, 2011

Labour

H. Smith (geologist) June to August 2011 – 4 days @ \$720/day	\$ 3,225.60
R. Cobbett (geologist) June to August 2011 – 1 day @ \$680/day	761.60
B. Peterson (field assistant) June to August 2011 – 8 days @ \$480/day	4,300.80
R. Gibbons (field assistant) June to August 2011 – 11 days @ \$408/day	5,026.56
E. Jacobsen (field assistant) June to August 2011 – 40 days @ \$408/day	18,278.40
D. Bailey (field assistant) June to August 2011 – 27 days @ \$376/day	11,370.24
T. Loeks (field assistant) June to August 2011 – 6 days @ \$360/day	2,419.20
R. Baxter (field assistant) June to August 2011 – 44 days @ \$344/day	16,952.32
D. Shauer (field assistant) June to August 2011 – 11 days @ \$344/day	<u>7,320.32</u>
	69,655.04

Expenses (including management fee)

Field room and board – 160 days @ \$150/day	29,030.40
Capital Helicopters	31,383.46
Fireweed Helicopters	3,155.97
Oceanview Helicopters	2,975.75
ALS Chemex	73,865.62
North 60 Petro	5,762.08
Acme Lab	604.80
Truck rental & fuel	<u>6,048.00</u>
	152,826.08

Total	<u>\$222,481.12</u>